

VOL. 118 REGISTERED AS A NEWSPAPER

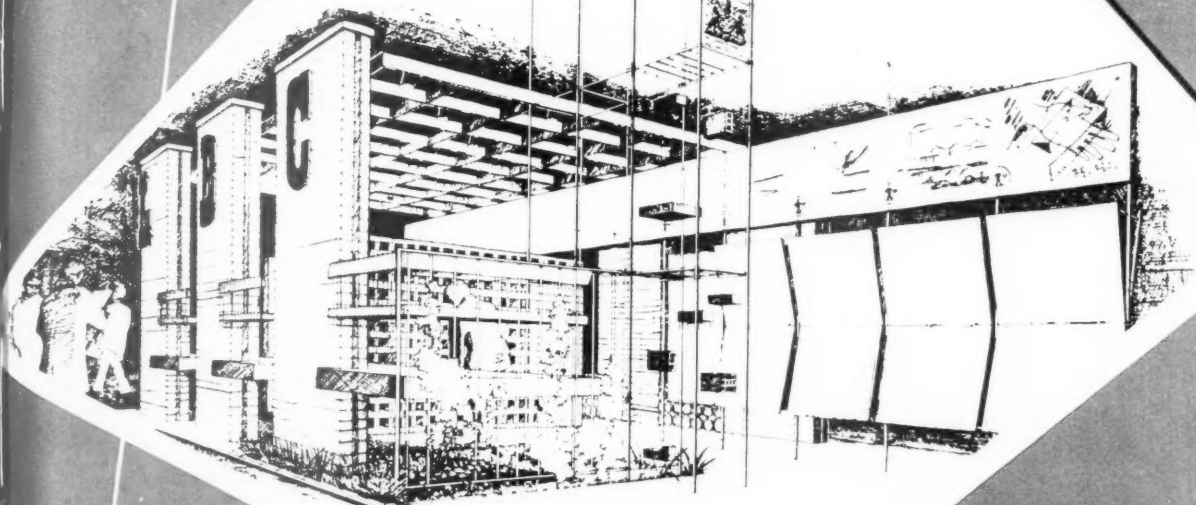
THE ARCHITECTS' JOURNAL FOR NOVEMBER 19th 1953

THE ARCHITECTS'
ARTS DEPT.

JOURNAL

BUILDING EXHIBITION NUMBER

PRICE ONE SHILLING



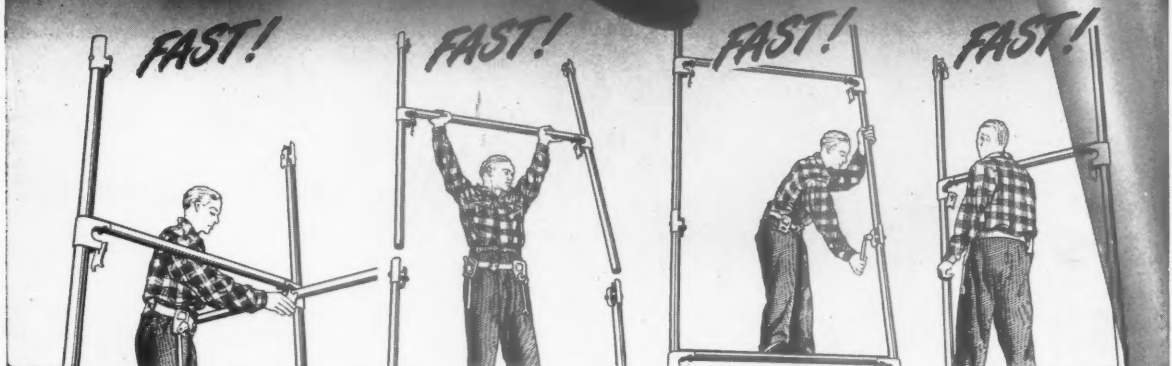
OLYMPIA 1953
STAND No. 97 ROW E



By Appointment
Bookbinders
to the
late King George VI

Architect: John Harris A.R.I.B.A.
Contractors: Holland & Hannen and Cubitts Ltd.

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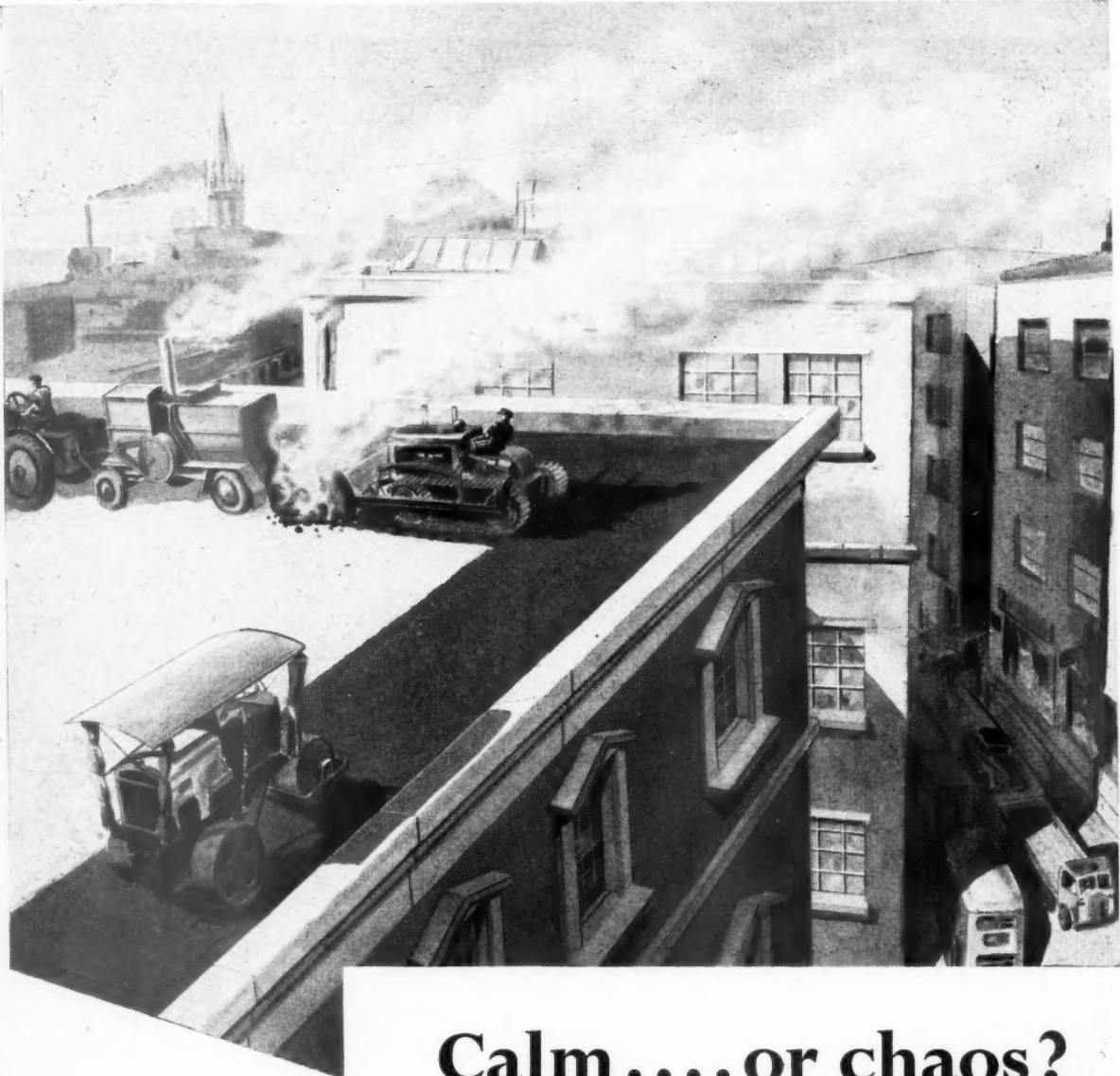
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Occasionally we meet people, bless their hearts, who have some vague idea that the job of asphaltting calls for little more than brute force and ignorance. Swallowing hard, we explain with icy calm that this job calls for immense experience, specialised knowledge and skilled organisation if it is to be done economically and with the complete absence of chaos. Which is why, no doubt, so many enlightened Architects **call in Val de Travers.**

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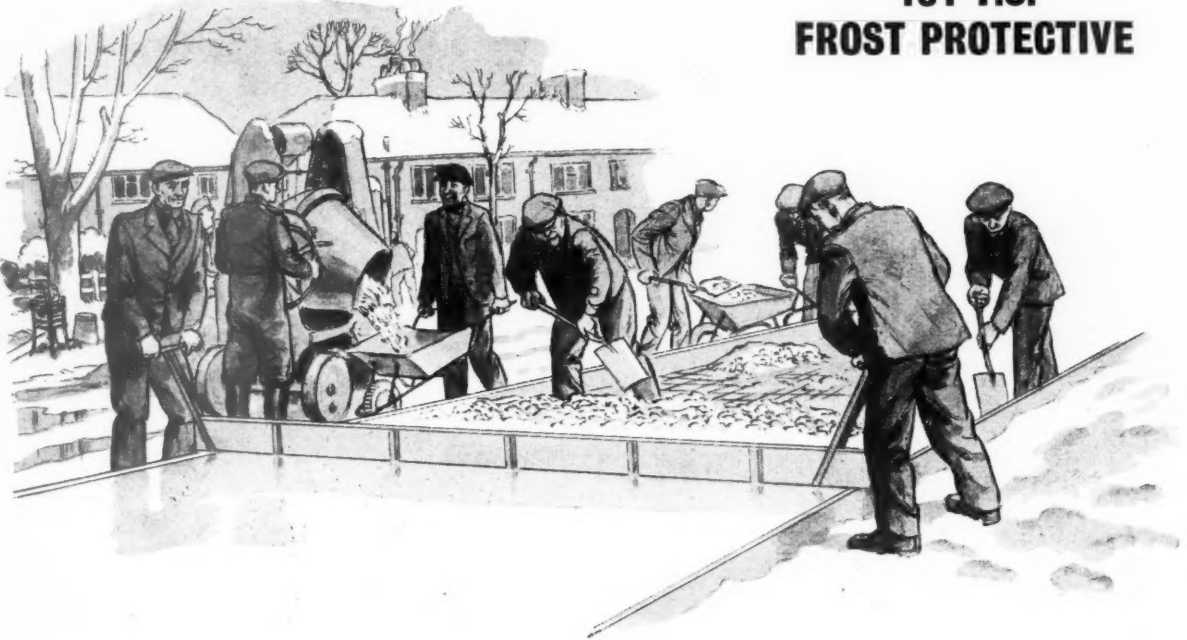


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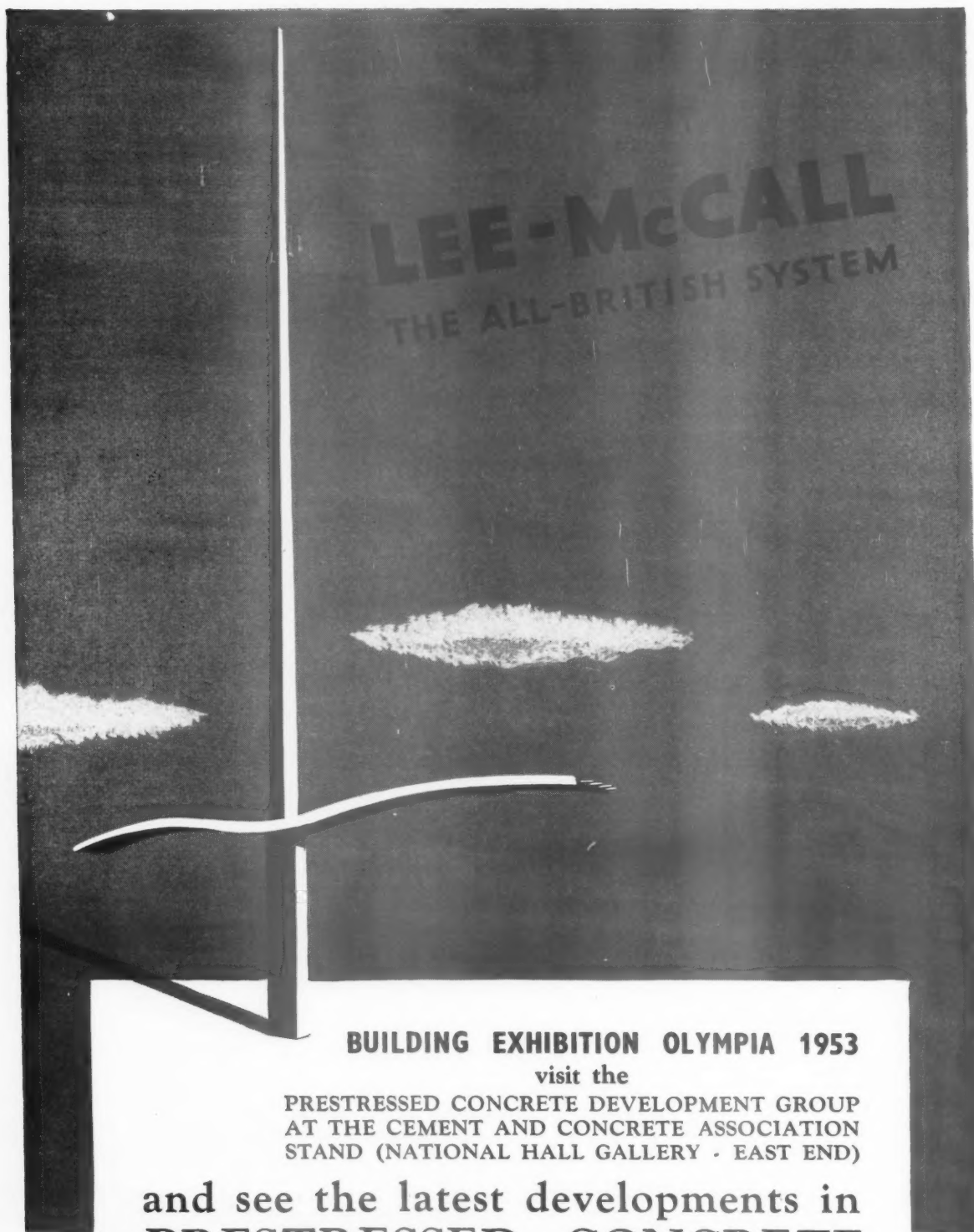
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BUILDING EXHIBITION OLYMPIA 1953

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"GYPROC" COVE

The angles between the wall and ceiling surfaces are finished with GYPROC Cove which presents a concave profile and consists of a gypsum core encased in an ivory coloured millboard liner. GYPROC Cove was designed to provide a ceiling finish at low cost to combine both simplicity of fixing and ease of handling with a decorative value which at once lends dignity to any room. It is ideally suitable for concealing the cracks which so often blemish the junction of wall and ceiling and can be decorated with any type of distemper or paint in the same manner as the ivory surface of GYPROC Wallboard.

ACOUSTIC "GYPROC"

A specially prepared, perforated, fire-protective gypsum plasterboard, shown on the Stand in ceiling constructions. The perforations, both circular or slotted, are deliberately spaced to provide the correct admission of sound to a sound absorbent backing. Acoustic GYPROC has an ivory surface for immediate decoration.

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A high-grade, lightweight, fire-resistant gypsum plasterboard conforming to British Standard 1230 : 1945.

In conjunction with the GYPROC Joint Filling system GYPROC Recessed Edged Wallboard ensures perfectly flush joints and true surfaces for direct decoration.

"GYPLITE"

Also displayed is the previously exhibited ready mixed vermiculite/gypsum insulating plaster known hitherto as 'ZONAPLAX' but now to be marketed under the new brand name "GYPLITE".

Makers of PARISTONE Browning Plaster (Haired, Unhaired and Metal Lathing Grades), PARISTONE Wall Finishing Plaster, CRETSTONE Concrete Bonding Plaster, GYPSTONE Board Finishing Plaster, GYPLITE Vermiculite Insulating Plaster (Undercoat and Finishing Grades).

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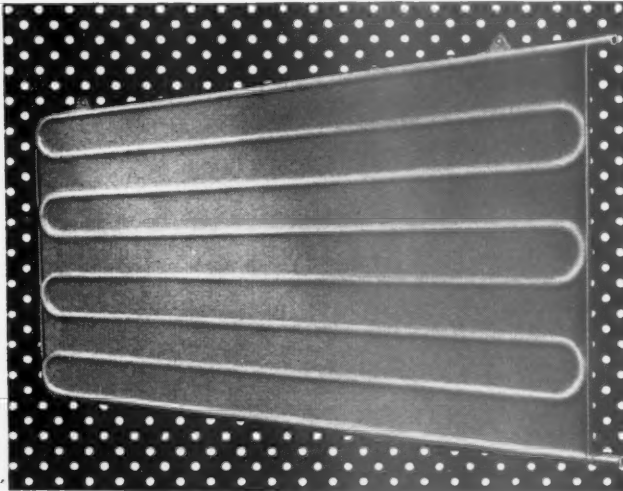
Head Office : Westfield, Upper Singlewell Road, Gravesend, Kent. Telephone : Gravesend 4251-4. Telegrams : Gyproc, Gravesend. Glasgow Office : Gyproc Wharf, Shieldhall, Glasgow, S.W.1. Telephone : Govan 2141-3. Telegrams : Gyproc, Glasgow. Midland District Sales Office : East Leake, near Loughborough. Telephone : East Leake 231. London Office : Morris House, 1-5 Jernyn Street, London, S.W.1. Telephone : Whitehall 8073-4. EXH.

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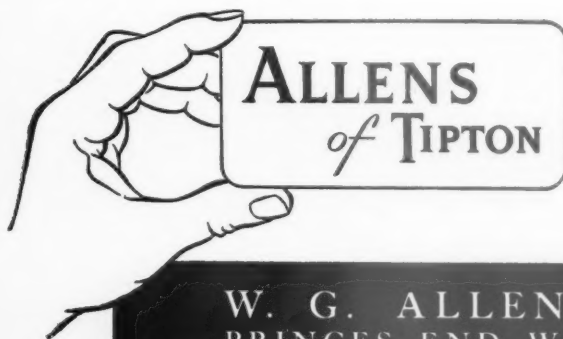
RADIANT PANEL HEATING



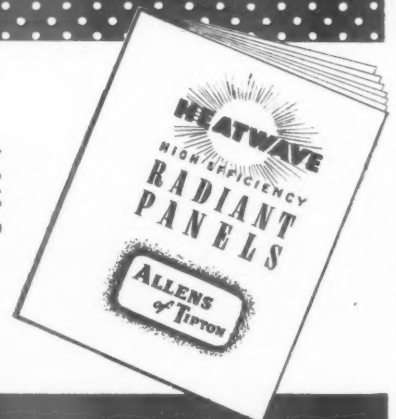
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through Snow
and Frost
this Winter!**

THE BUILDING EXHIBITION
Olympia, November 18–December 2
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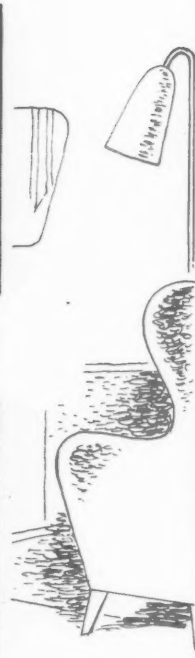
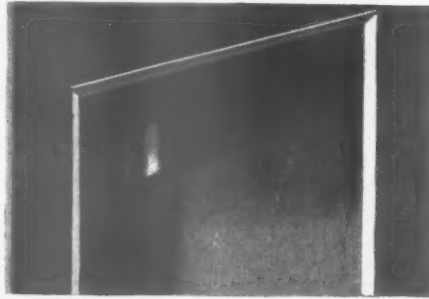
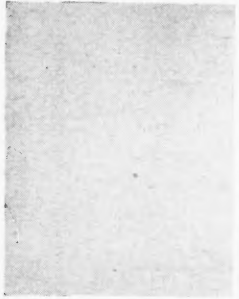
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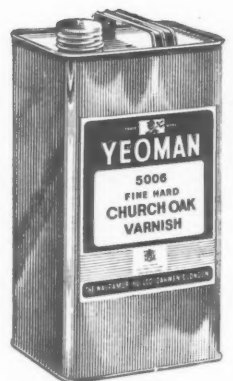


Most people judge a job by its finish—that is why your first thought should be of the final coat. And where a “final coat” means a varnish, good contractors invariably specify YEOMAN. Varnishes in this range are made to meet specific requirements and are guaranteed to give satisfactory results. They are made under laboratory supervision from the finest gums available and are matured under ideal conditions. Every batch is tested by practical decorators and is ready for use when it leaves the storage rooms.

The Technical and Advisory Department will be glad to provide reliable recommendations for any varnishing problem.



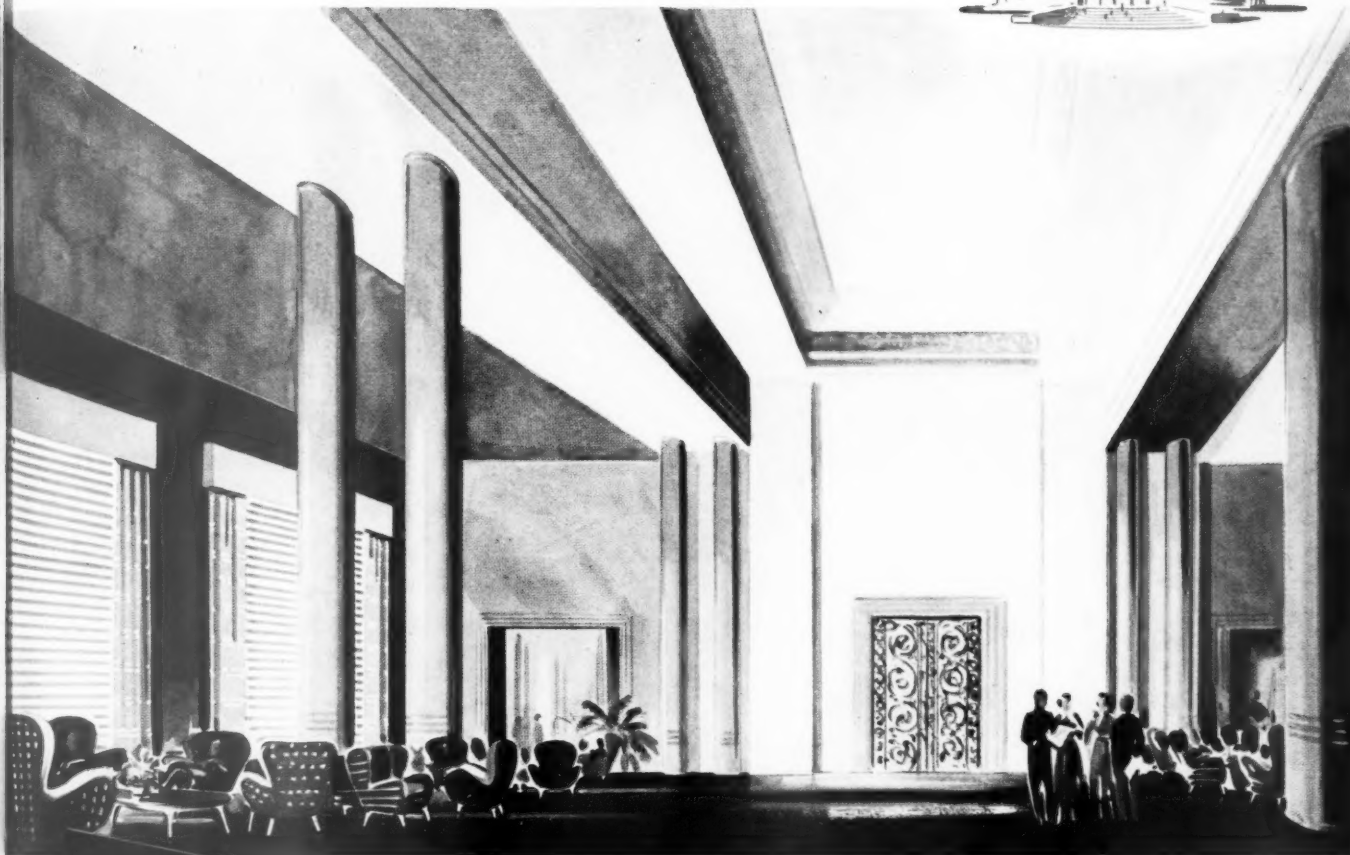
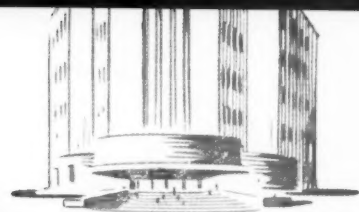
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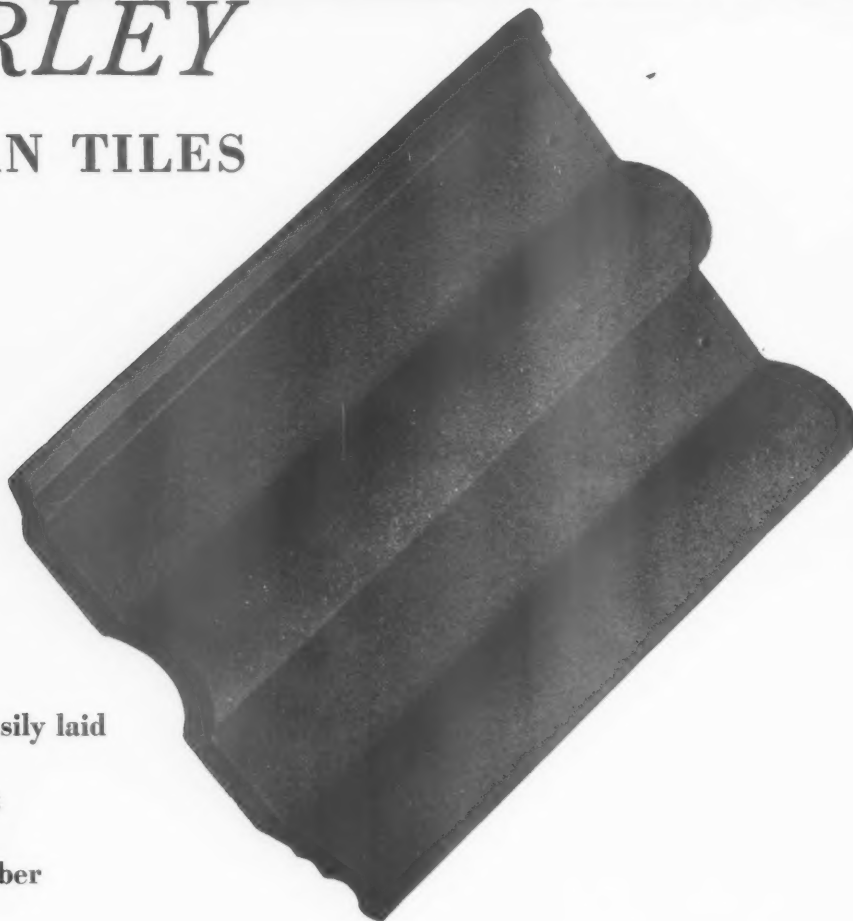
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xi

MARLEY

YEOMAN TILES



Quickly and easily laid

Light in weight

Economise timber

TECHNICAL DATA							
Gauge	Lap	No. of Tiles		Feet Run of Batten		Approx. Weight of Tiling in lb.	
		per sq.	per sq. yard	per sq.	per sq. yard	per sq.	per sq. yard
13 $\frac{1}{4}$ "	3"	92.5	8.3	90	8.1	1,000	90
12 $\frac{1}{4}$ "	4"	100	9.0	98	8.8	1,100	99
11 $\frac{1}{4}$ "	5"	109	9.8	107	9.6	1,200	108

Yeoman tiles have a variable gauge which should be utilised to avoid cutting tiles at top courses.

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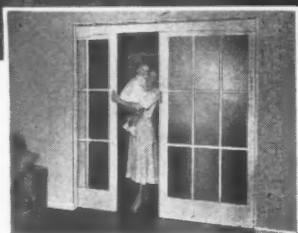


"Not for an age—but for all time"

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MARLEY



BUILDING EXHIBITION
STAND 498
GRAND HALL GALLERY

ELLARD

ESTATE

SLIDING

DOOR GEAR

The illustrations on left show yet another example of the use of ELLARD "Estate" Sliding Door Gear in the modern dwelling house. See how simple it is to convert a spacious room to one of a cosy intimate atmosphere. The fingertip smoothness of door action offers immediate reduction of living space when desired with the additional advantage of fuel economy. Elegant appearance, ease of operation and long service are the main selling features of this attractive ELLARD Door Gear. Excellent design, moderate cost and maximum use of floor space make ELLARD Door Gear the obvious choice for both council estates and private houses.

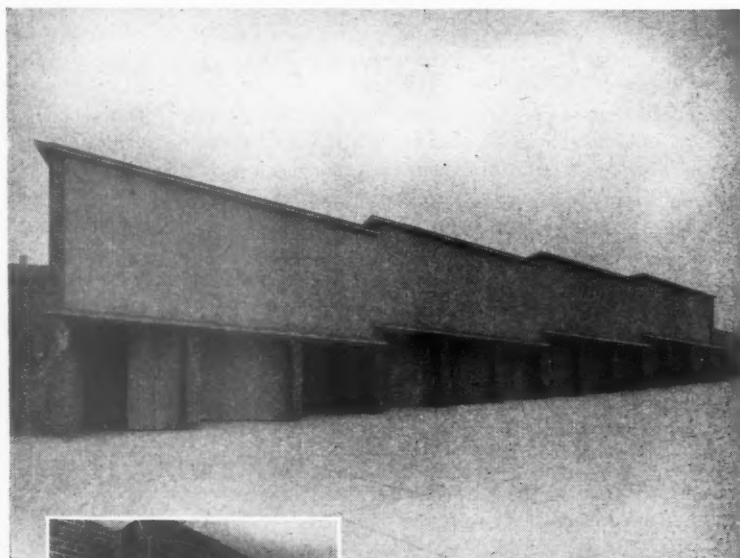
SEE OUR EXHIBITS AT THE BUILDING CENTRES, 26 STORE STREET, LONDON, W.C.1, AND 425-427 SAUCHIEHALL STREET, GLASGOW, C.2

CLARKE ELLARD ENGINEERING COMPANY LTD

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BUILDING EXHIBITION
STAND 498
GRAND HALL GALLERY

ELLARD

RADIAL

SLIDING

DOOR GEAR

The illustrations on left are two examples of ELLARD "Radial" Door Gear fitted to garages on a housing estate. The upper picture shows part of a range of thirty-six garages built in rows one above the other on what was once a hillside. This group of garages adjoins a council housing estate, and provides convenient and moderately priced garage accommodation for tenants. This scheme admirably suits smaller dwelling house estates and offers a profitable return as investment. Specify ELLARD "Radial" Sliding Door Gear for all-round excellence of design, moderate cost and prompt delivery.

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The urgency of the post-war housing problem, successive shortages of materials, rising costs and the difficulties arising from an unbalanced national economy—all these have conspired to hinder the implementation of the improved standards of heating and ventilation recommended in various post-war Studies, Reports and Codes.

If these standards are to be generally realised in the near future in spite of coal shortage and other difficulties, a first essential is that heat services should be planned in detail well before building starts. At present, this is not always done, with such results as unsatisfactory ventilation and insulation, condensation troubles, increased installation costs, and the enforced use of uneconomic methods of heating.

The wide knowledge of Gas technicians can be of great value in ensuring complete co-ordination of heat services with the general building plan. It is freely available, through local gas undertakings, to all who wish to realise improved standards of heating whilst making the best use of the Nation's fuel resources.

Where to go for information about Gas

If you are considering the use of Gas, however tentatively, your first move should be to get in touch with the Gas Undertaking serving the area in which the job is situated. Through it you have access to the combined technical resources of the entire Gas Industry. The following list gives the addresses and telephone numbers of the Area Boards. Where there is any uncertainty as to which Area Board is concerned, The Gas Council will be pleased to give you the correct address.

SCOTTISH GAS BOARD: 26, Drumsheugh Gardens, Edinburgh, 3. Edinburgh 34331/5.

NORTHERN GAS BOARD: 30, Grainger Street, Newcastle-upon-Tyne, 1. Newcastle-upon-Tyne 26101.

NORTH WESTERN GAS BOARD: Bridgewater House, 60, Whitworth Street, Manchester, 1. Manchester Central 8121.

NORTH EASTERN GAS BOARD: Bridge Street, Leeds, 2. Leeds 32571/8.

EAST MIDLANDS GAS BOARD: Beverley House, University Road, Leicester. Leicester 23201/5.

WEST MIDLANDS GAS BOARD: 6, Augustus Road, Edgbaston, Birmingham, 15. Edgbaston 3616.

WALES GAS BOARD: 1 and 2, Windsor Place, Cardiff. Cardiff 28621.

EASTERN GAS BOARD: 2, The Abbey Garden, London, S.W.1. Trafalgar 5373/7.

NORTH THAMES GAS BOARD: 30, Kensington Church Street, London, W.8. Western 8141.

SOUTH EASTERN GAS BOARD: Katharine Street, Croydon, Surrey. Croydon 4466.

SOUTHERN GAS BOARD: 164, Above Bar, Southampton. Southampton 76362.

SOUTH WESTERN GAS BOARD: 9a, Quiet Street, Bath. Bath 60411/5.

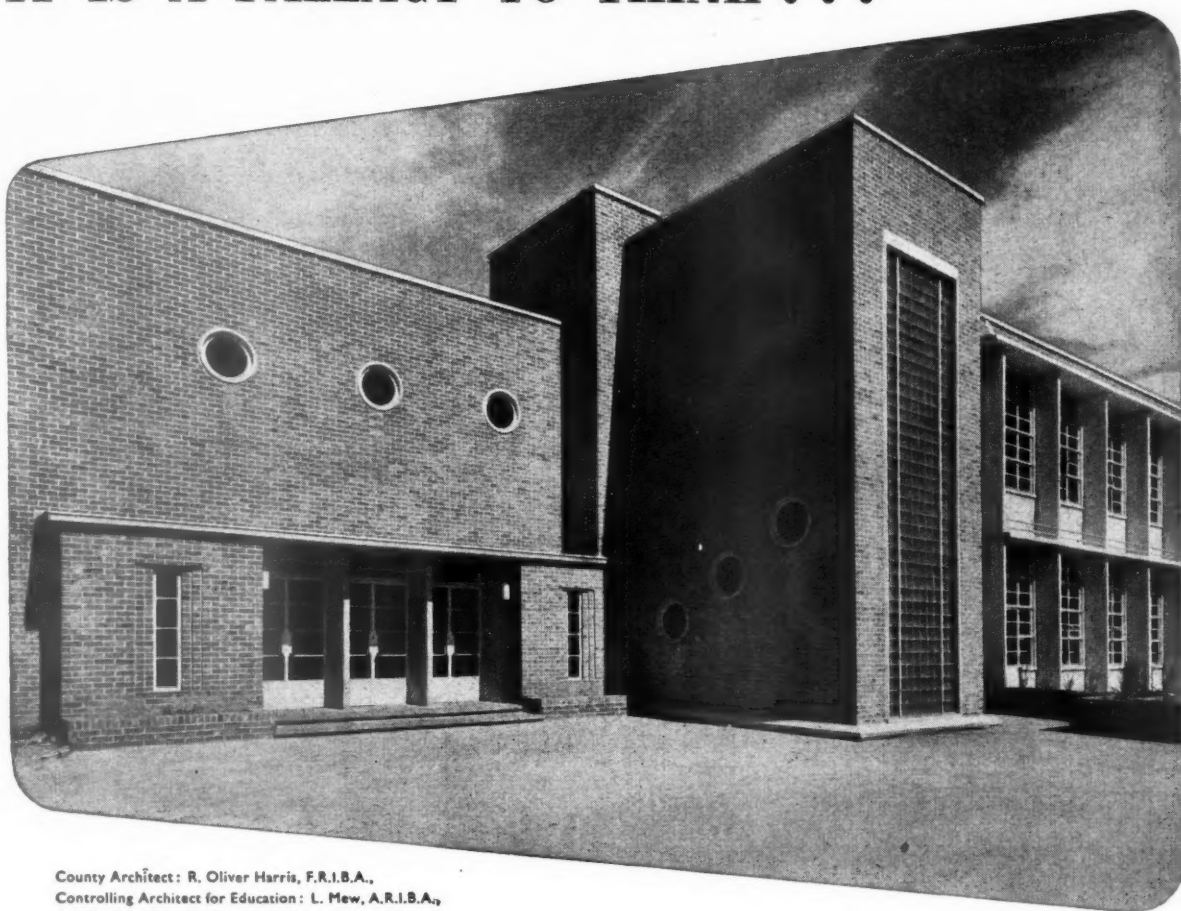
Issued by the Gas Council, 1, Grosvenor Place, London, S.W.1. Telephone: Sloane 4554.

BUILDING TRADES EXHIBITION OLYMPIA

November 18:— December 2, 1953
National Hall

ROW P STAND No. 300

IT IS A FALLACY TO THINK . . .



County Architect: R. Oliver Harris, F.R.I.B.A.,
Controlling Architect for Education: L. Mew, A.R.I.B.A.,
Assistant Architect in charge: R. H. West, L.R.I.B.A.,
Contractors: F. W. Foster Ltd., Radstock, Somerset.

. . . that a prefabricated frame is incompatible with the "traditional" style of building. For example, in the building illustrated above, brick was used for the exterior cladding of an Orlit reinforced concrete frame.

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Olympia, November 18 to December 2.

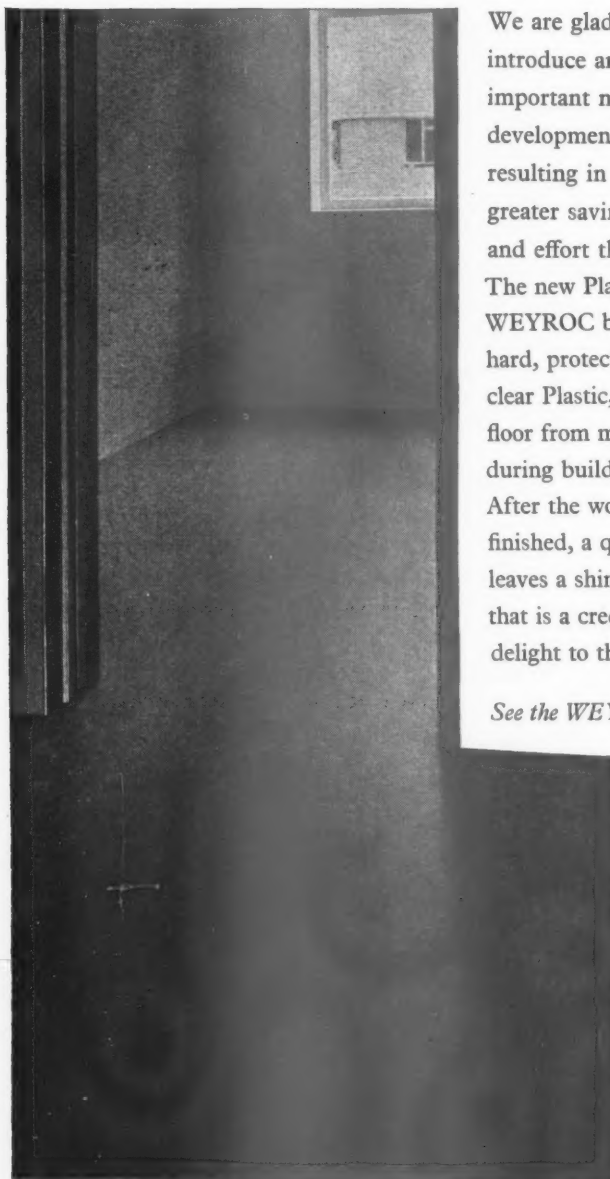
ORLIT SYSTEM
OF REINFORCED CONCRETE

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NOW-quicker work, better finish with

new PLASTIC-SURFACED **weyrocc**
REGD



We are glad to introduce an important new development in WEYROC, resulting in an even greater saving of time and effort than before. The new Plastic-surfaced WEYROC boards are given a hard, protective surface of clear Plastic, which shields the floor from mess and damage during building operations. After the workmen have finished, a quick brush over leaves a shining, glossy floor that is a credit to you and a delight to the occupier!

See the WEYROC Colour Films at the Building Exhibition!

EVERY GENUINE WEYROC BOARD
BEARS THE WEYROC LABEL

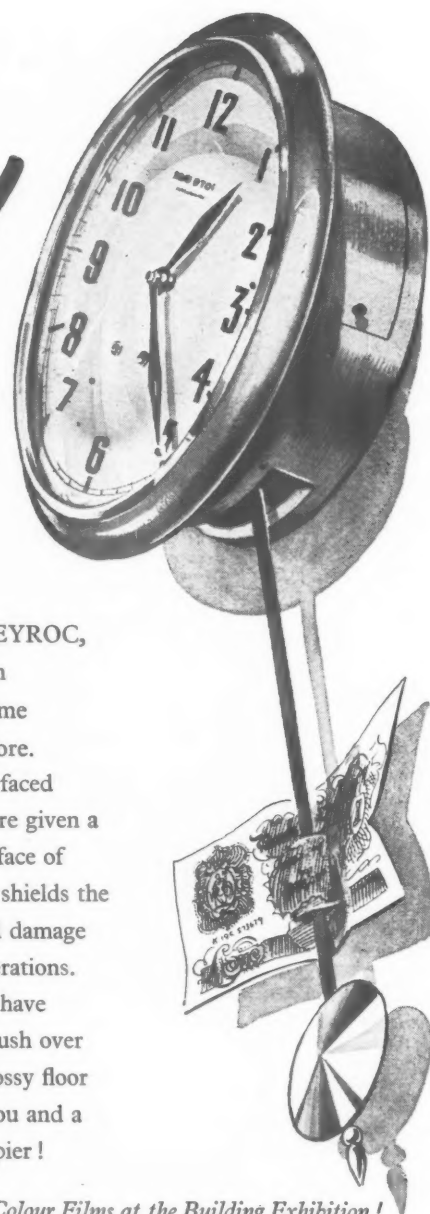
PLASTIC-SURFACED

weyrocc
(Regd)

BUILDING EXHIBITION
STAND 548

THE AIRSCREW COMPANY & JICWOOD LIMITED
WEYBRIDGE · SURREY

TELEPHONE: WEYBRIDGE 1600
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November 18th to December 2nd inclusive.

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Grand Hall Gallery

STAND No. 484-486

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main appliance for*

**CAFÉS • HOTELS
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CANTEENS • HOSPITALS**

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The No. 225 is efficient in performance and is strongly built. It can be had in Grey Dapple and Black or in Cream and Black Vitreous Enamel finishes.

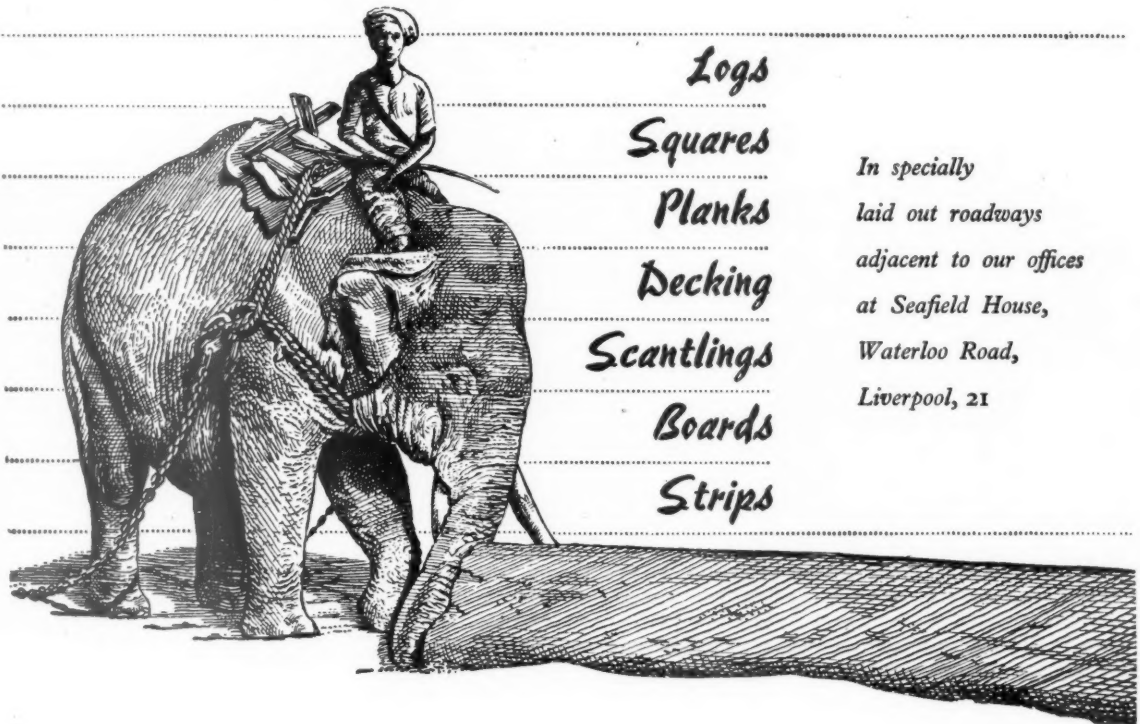
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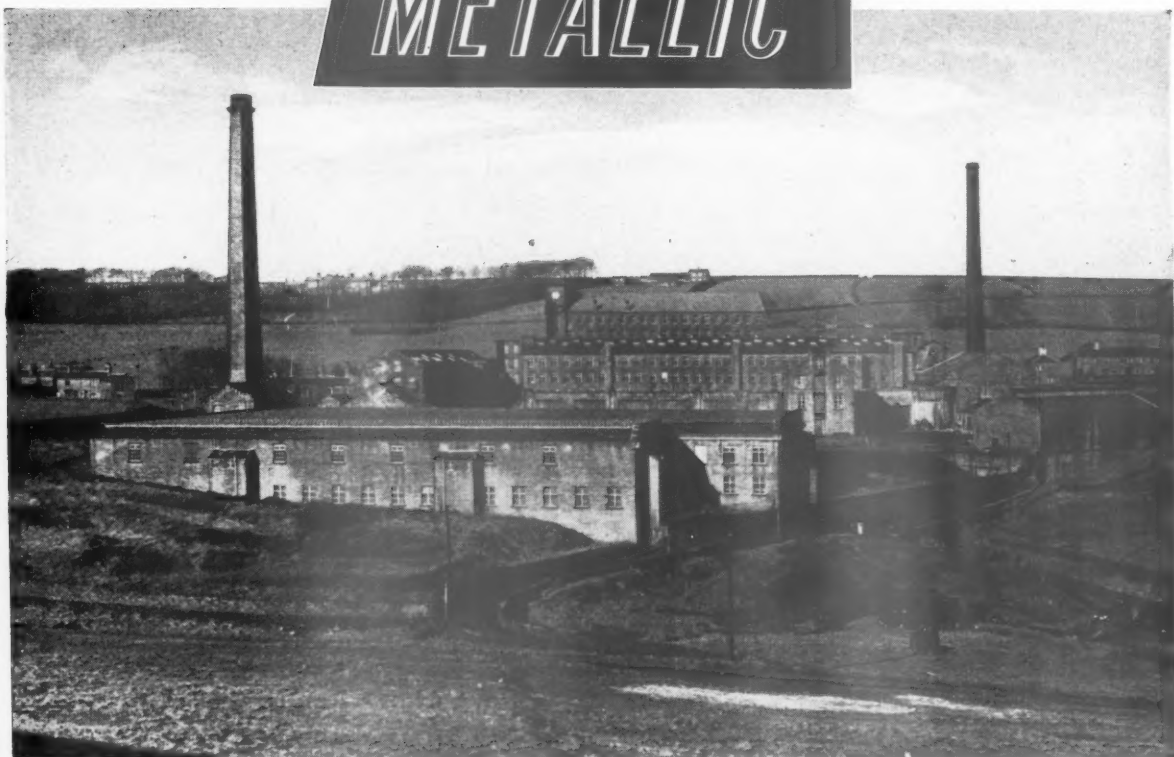
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METALLIC



Denholme Mills, nr. Keighley

Photo by courtesy of W. & H. Foster Ltd.

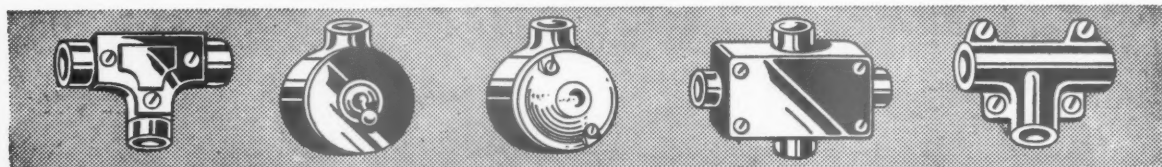


It may be a School, it may be a Factory, a Power Station or a Housing Estate, but more often than not the electrical specification will be—METALLIC.

This Yorkshire building is no exception, being fitted throughout with METALLIC Conduit and Fittings—unequalled for quality and consistent accuracy.

THE METALLIC SEAMLESS TUBE CO. LTD.

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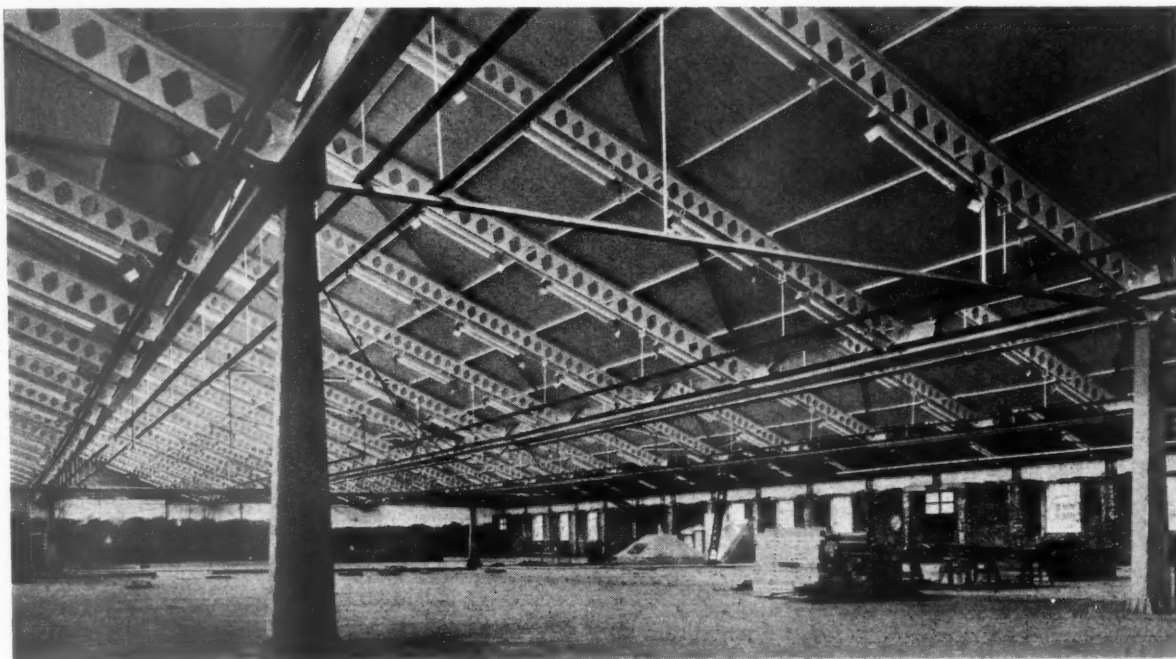
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saves time and building costs

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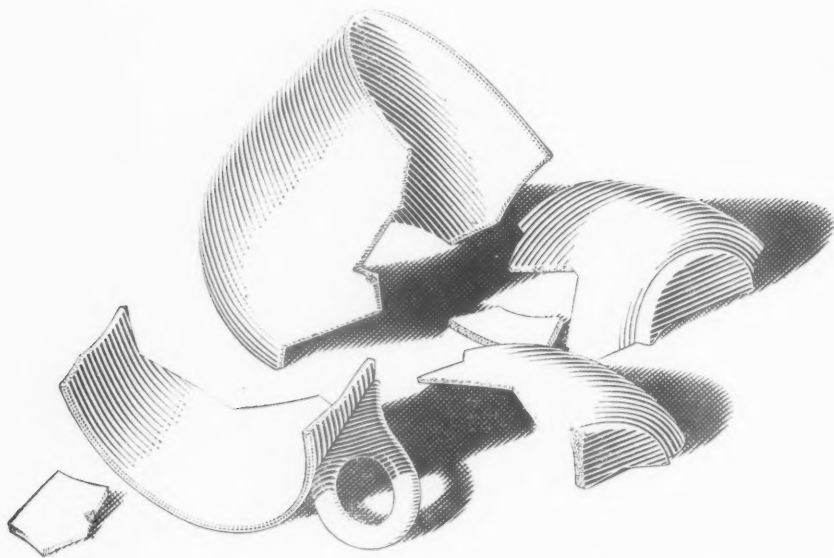
The Thermacoust advisory service can assist you in finding economical methods of constructing roofs with Thermacoust. Write for information sheet N.S. 3.

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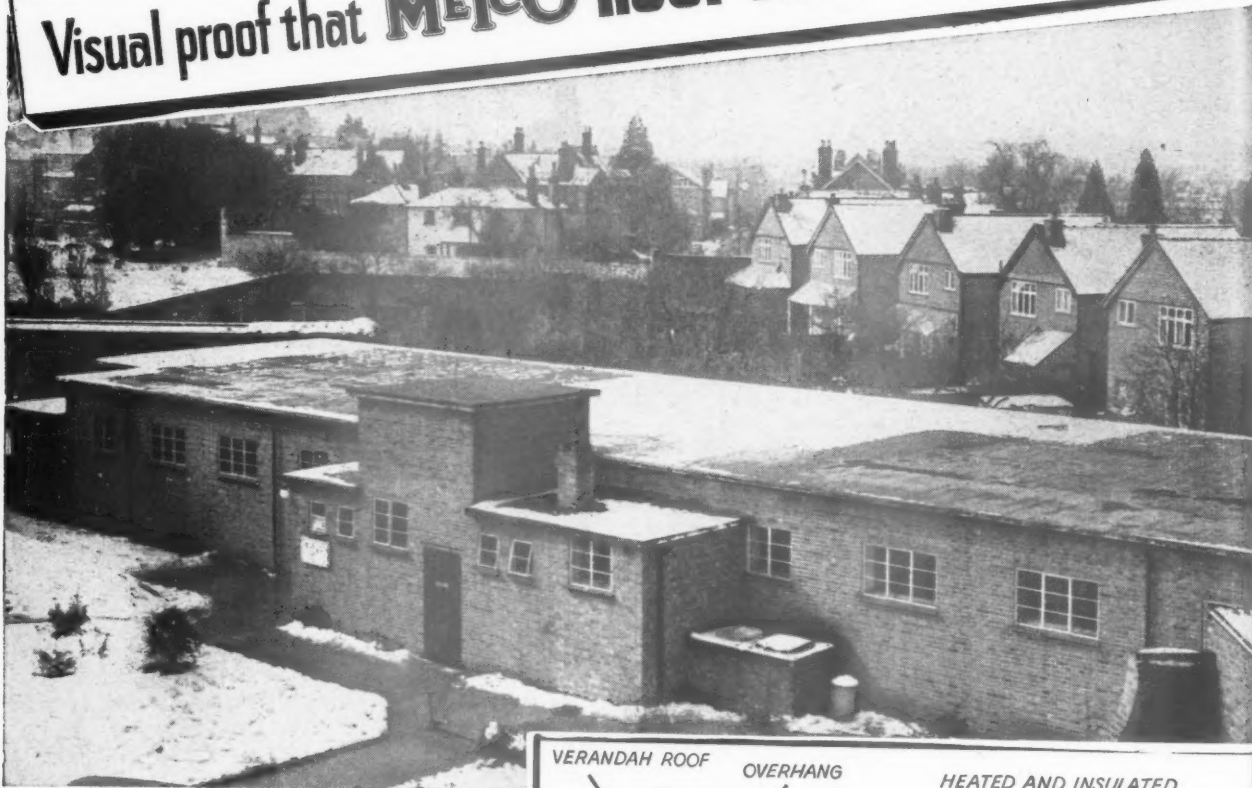


This close-up of a side flashing to a chimney stack shows the close contact with the surface of the roof covering, even where this is contoured, that can be achieved with lead sheet. Because it will stay in close contact, weathertightness is ensured; because it can be worked to shape with ease labour costs are kept to a minimum.

Lead sheet, lead pipe and lead traps can be delivered immediately for all building work.

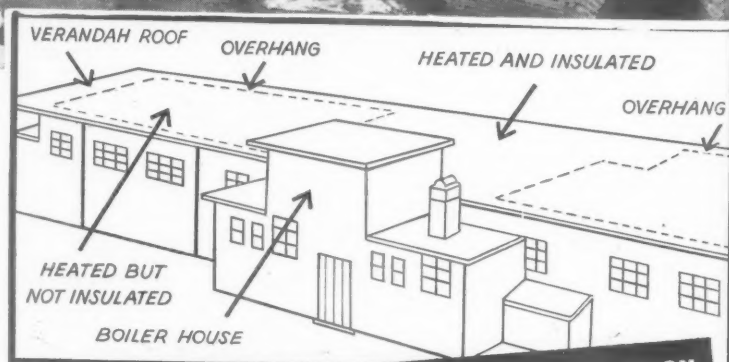
The Council's Technical Information Bureau will gladly help with problems on the use of Lead Sheet and Pipe in building work. Details of the main uses are given in a series of Information Sheets and Bulletins, which can be obtained by applying to the Council.

Visual proof that METCO ROOF INSULATION pays



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H. V. Knight Esq., M.I. MUN. E., Engineer & Surveyor.

This photograph shows the roof of the centrally heated Public Library building at Pippbrook, Dorking. The area of unmelted snow corresponds with that section of the roof where "Metco" $\frac{1}{2}$ " 'Veelap' insulating board is fixed on the ceiling. (See explanatory diagram.)



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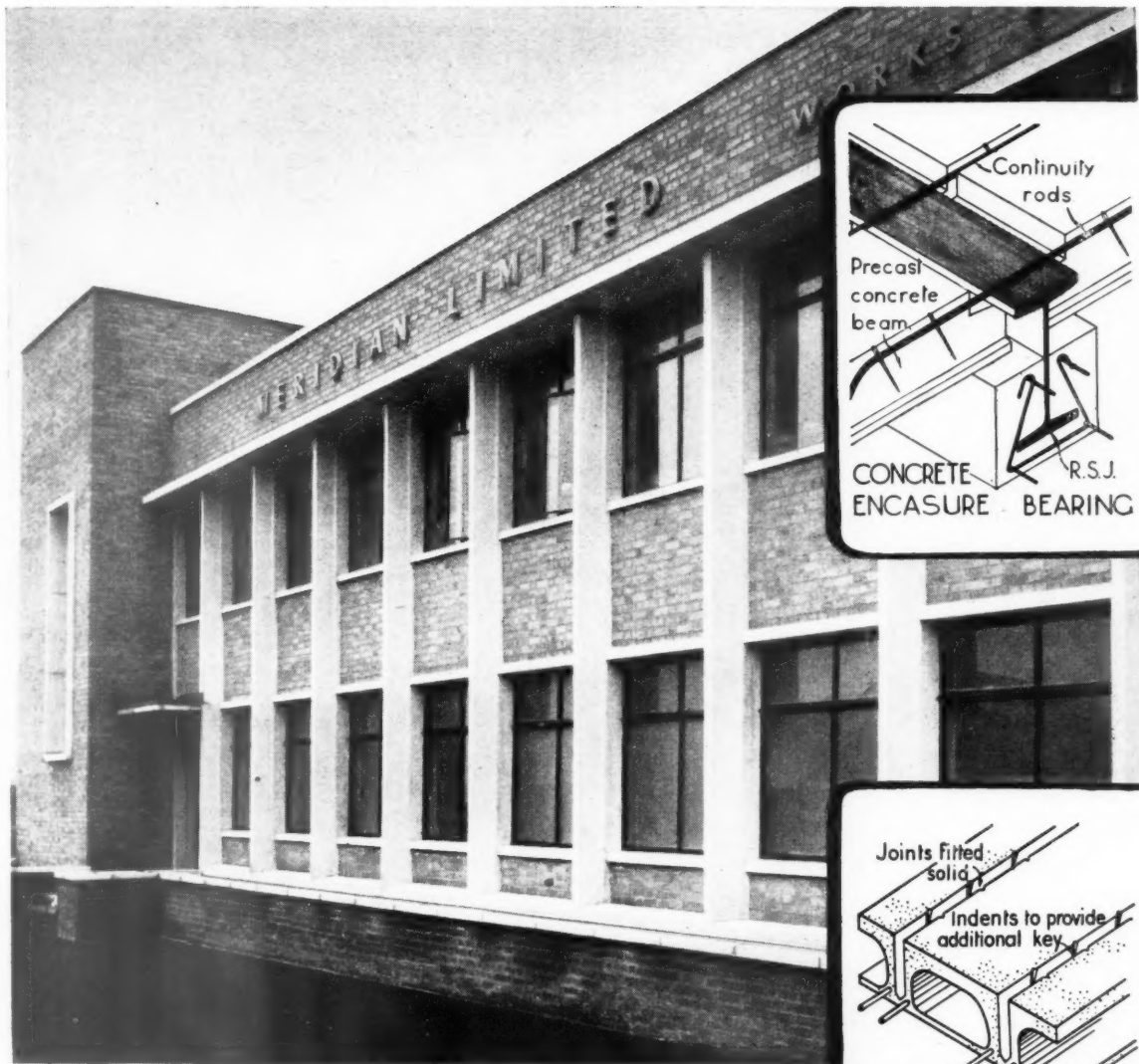
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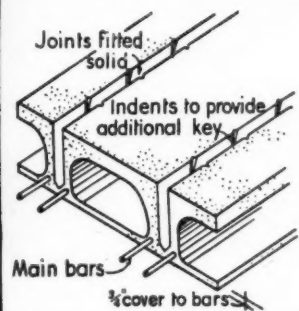
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The Association is exhibiting at the Building Trades Exhibition at Olympia from November 18th to December 2nd. Their stand number is 545—National Hall Gallery.

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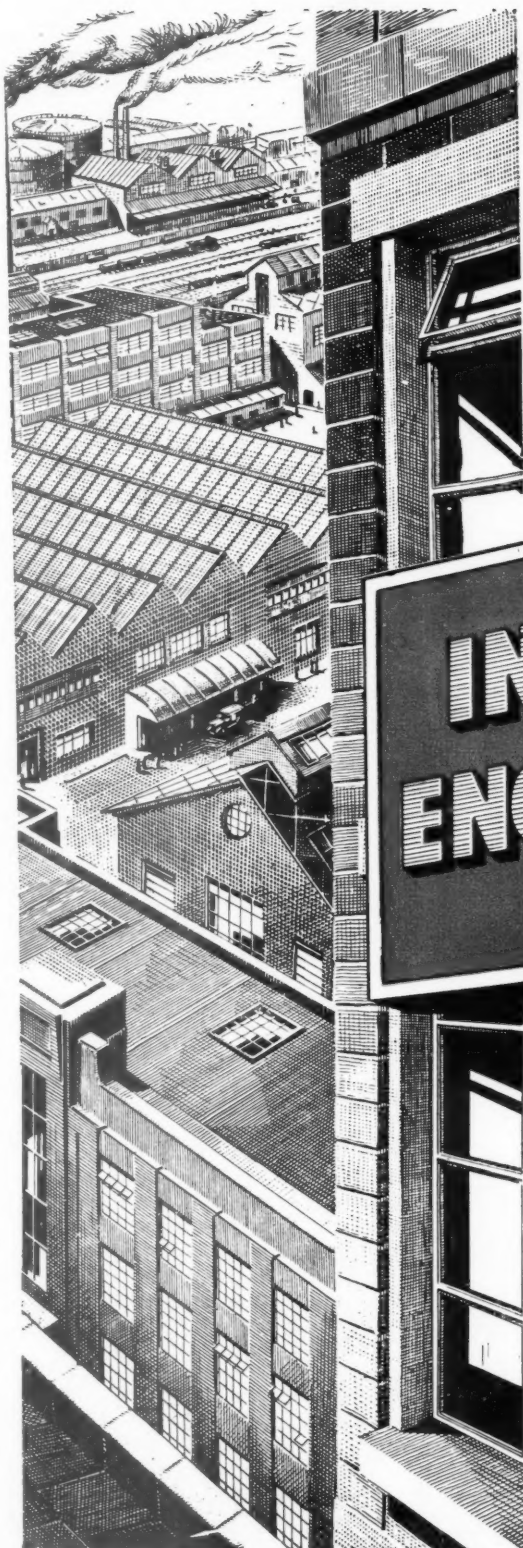
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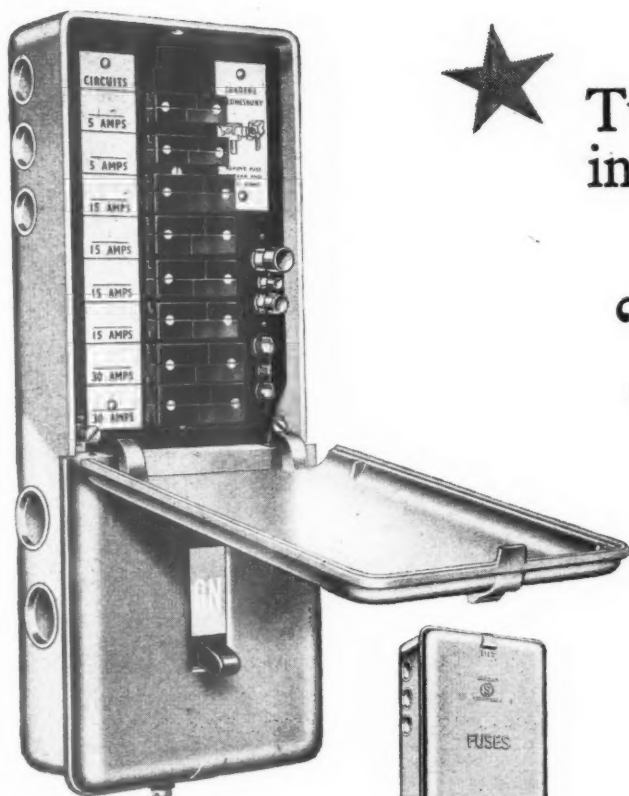
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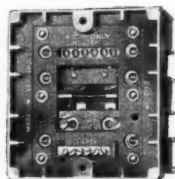
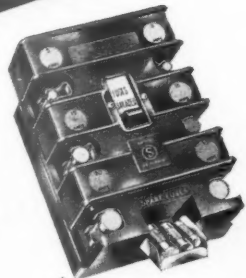
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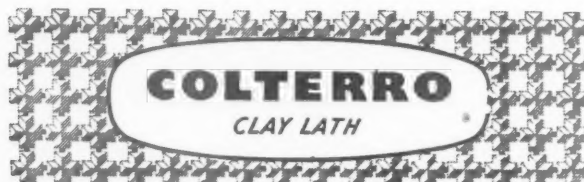
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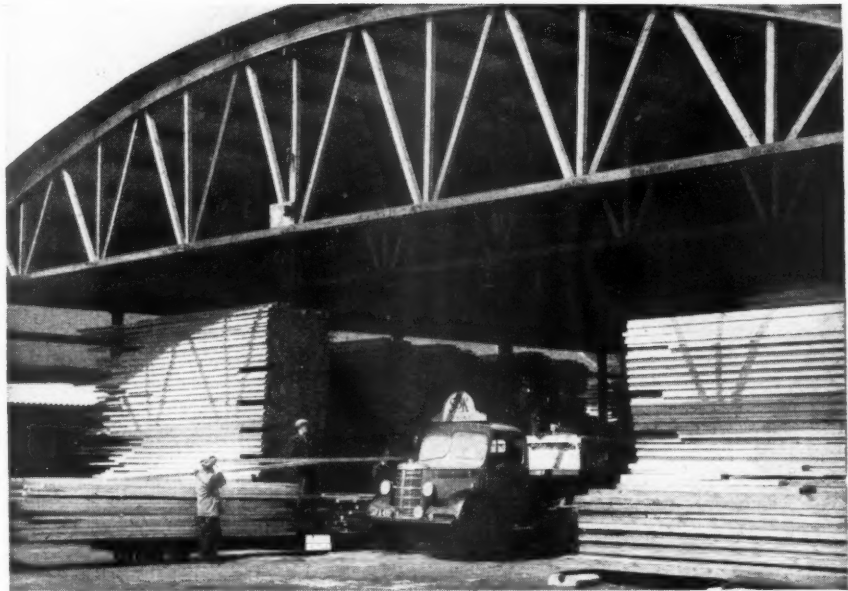
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Design in Timber

TIMBER STORAGE BUILDING

at Burton-on-Trent

*Illustration by courtesy of
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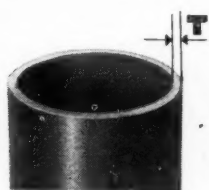
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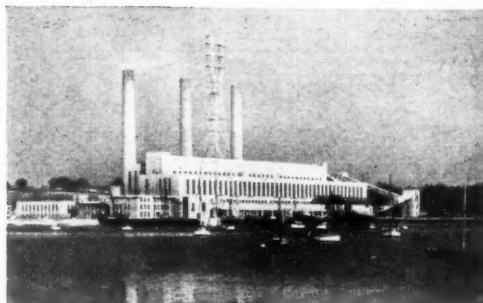


WALL THICKNESSES

Dia.	T	t
2in.	0.25	0.25in.
3in.	0.28	0.25in.
3½in.	0.30	0.25in.
4in.	0.32	0.25in.
5in.	0.41	0.25in.
6in.	0.46	0.25in.

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Do NOT use "t" without concrete encasement.

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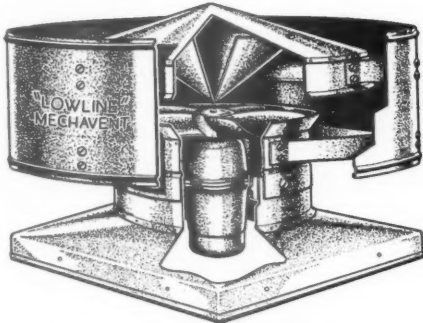
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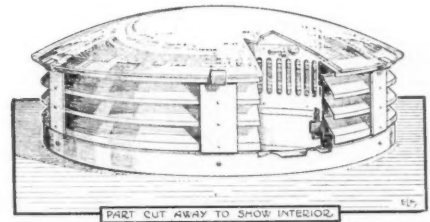


Ventilation



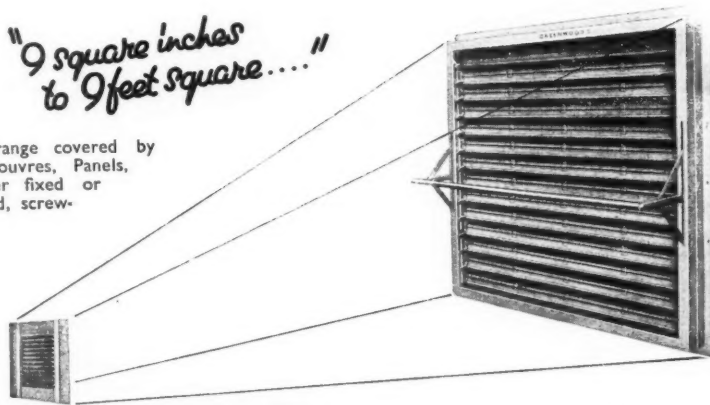
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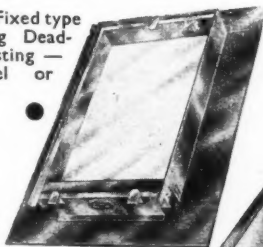


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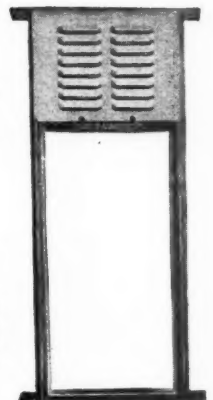
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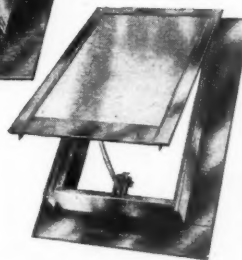
• 'PERMAVENT' Fixed type non-condensating Dead-light — anti-misting — galvanised steel or copper.



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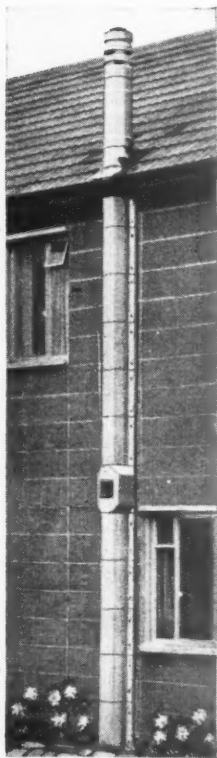
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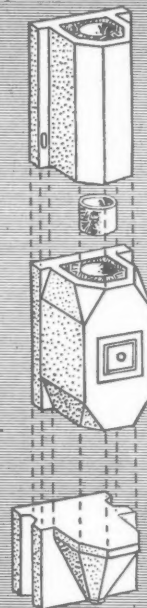


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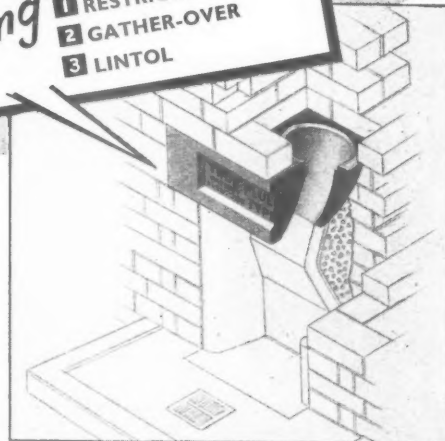
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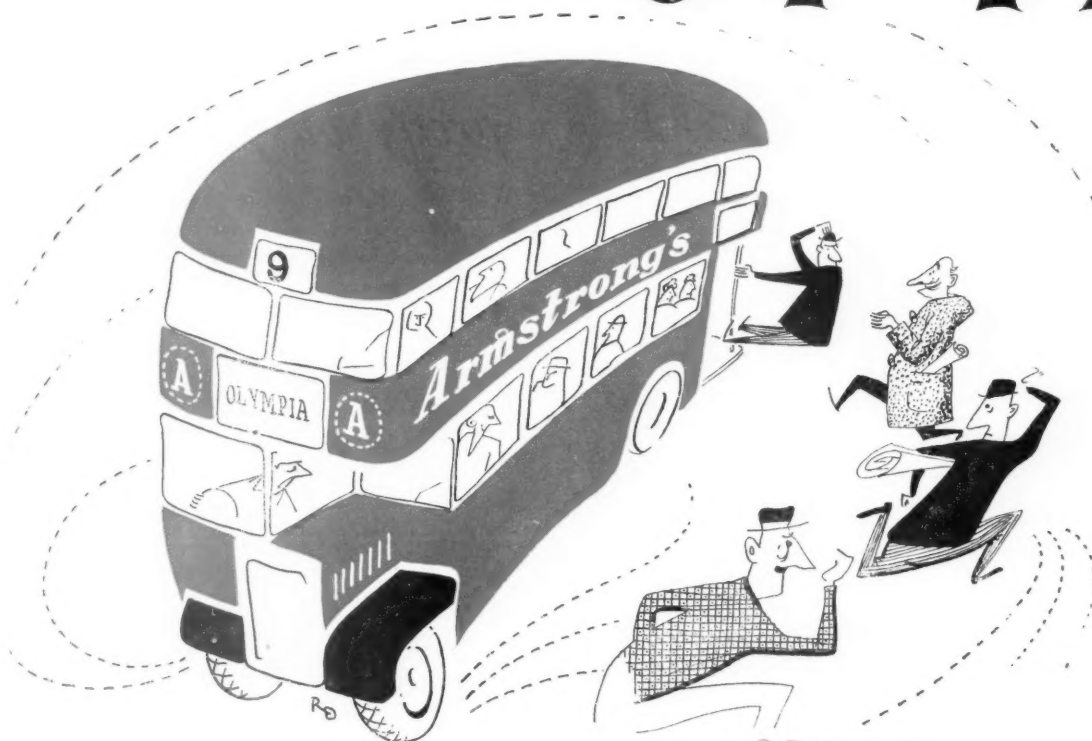
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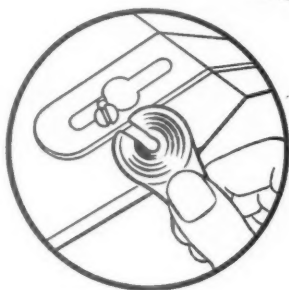
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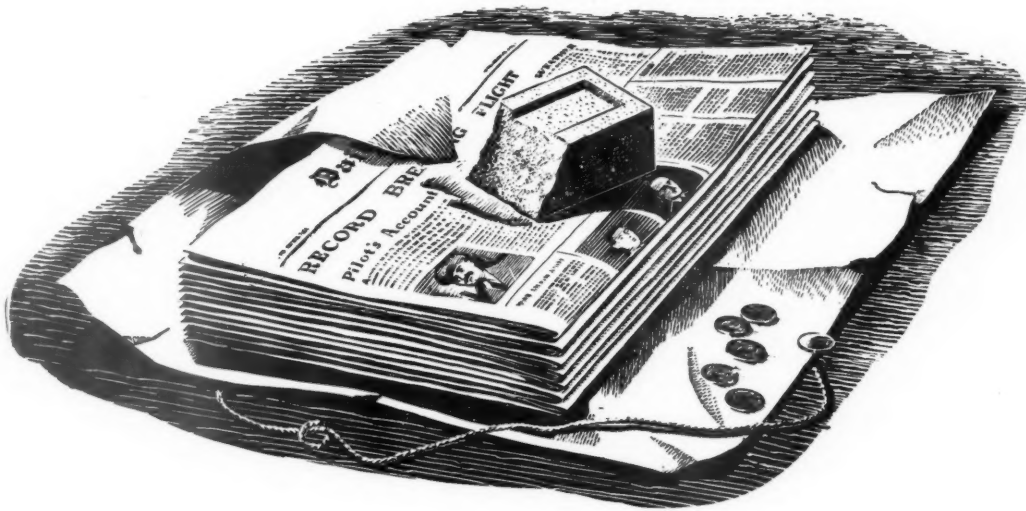
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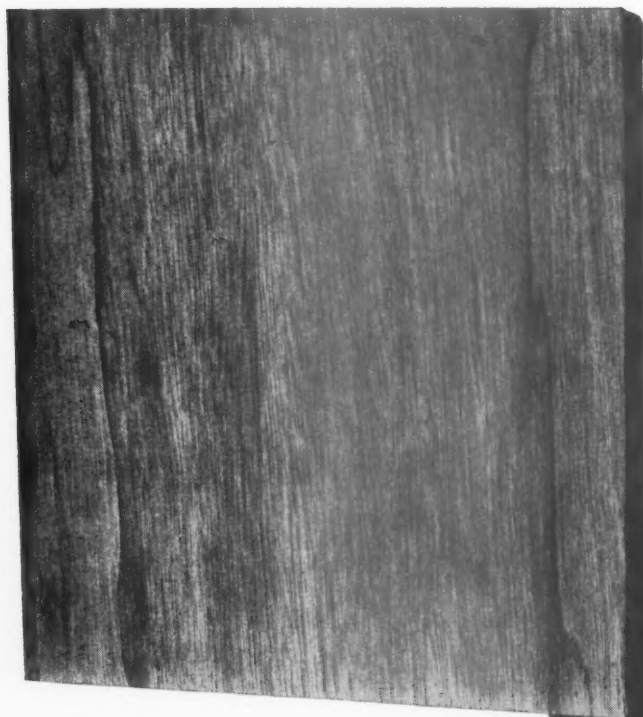
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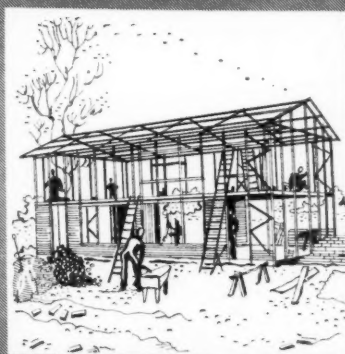
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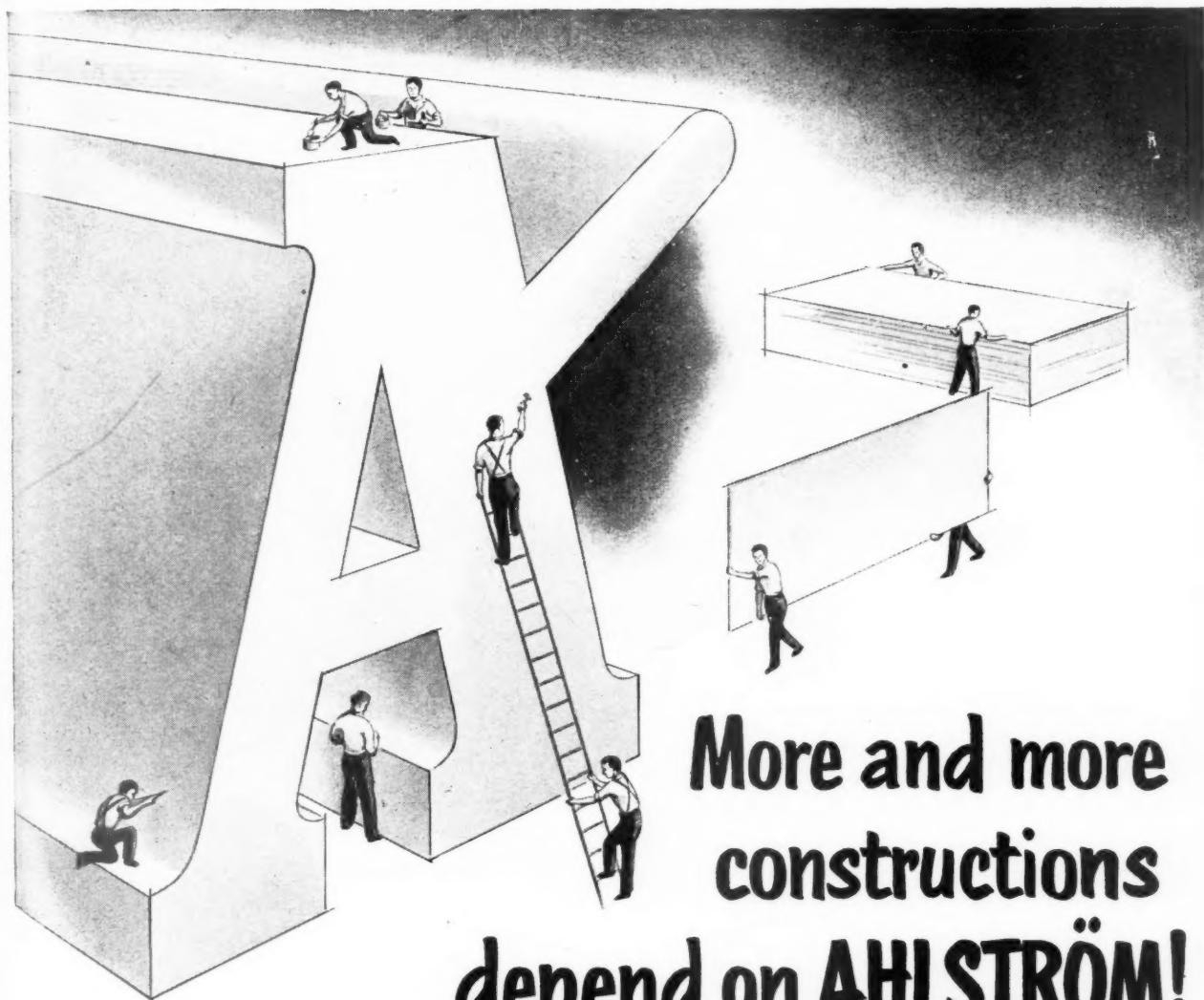
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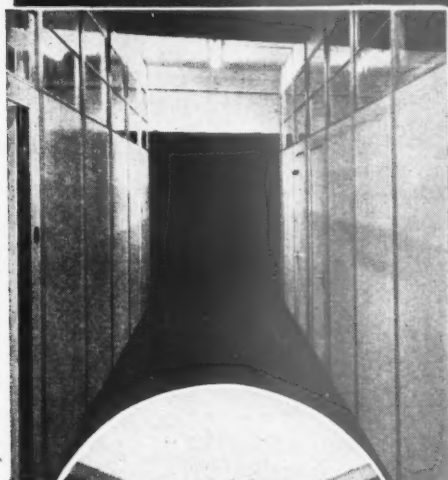
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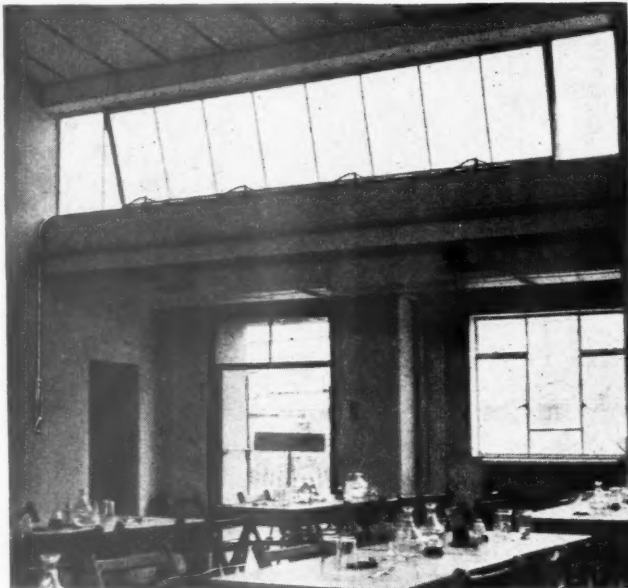
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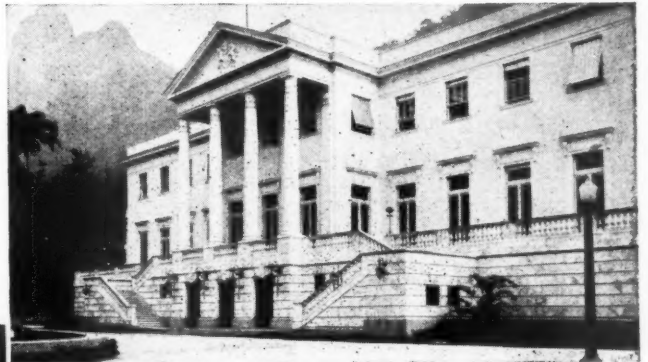
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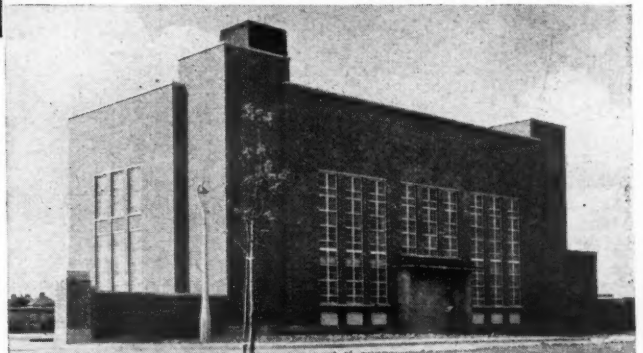
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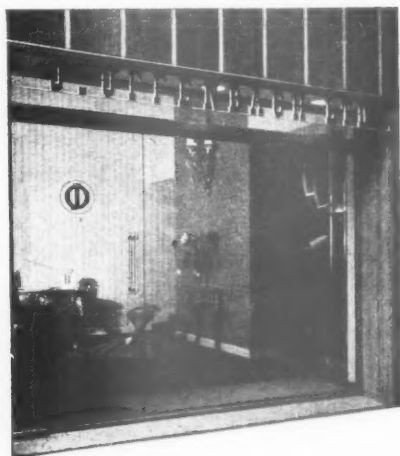
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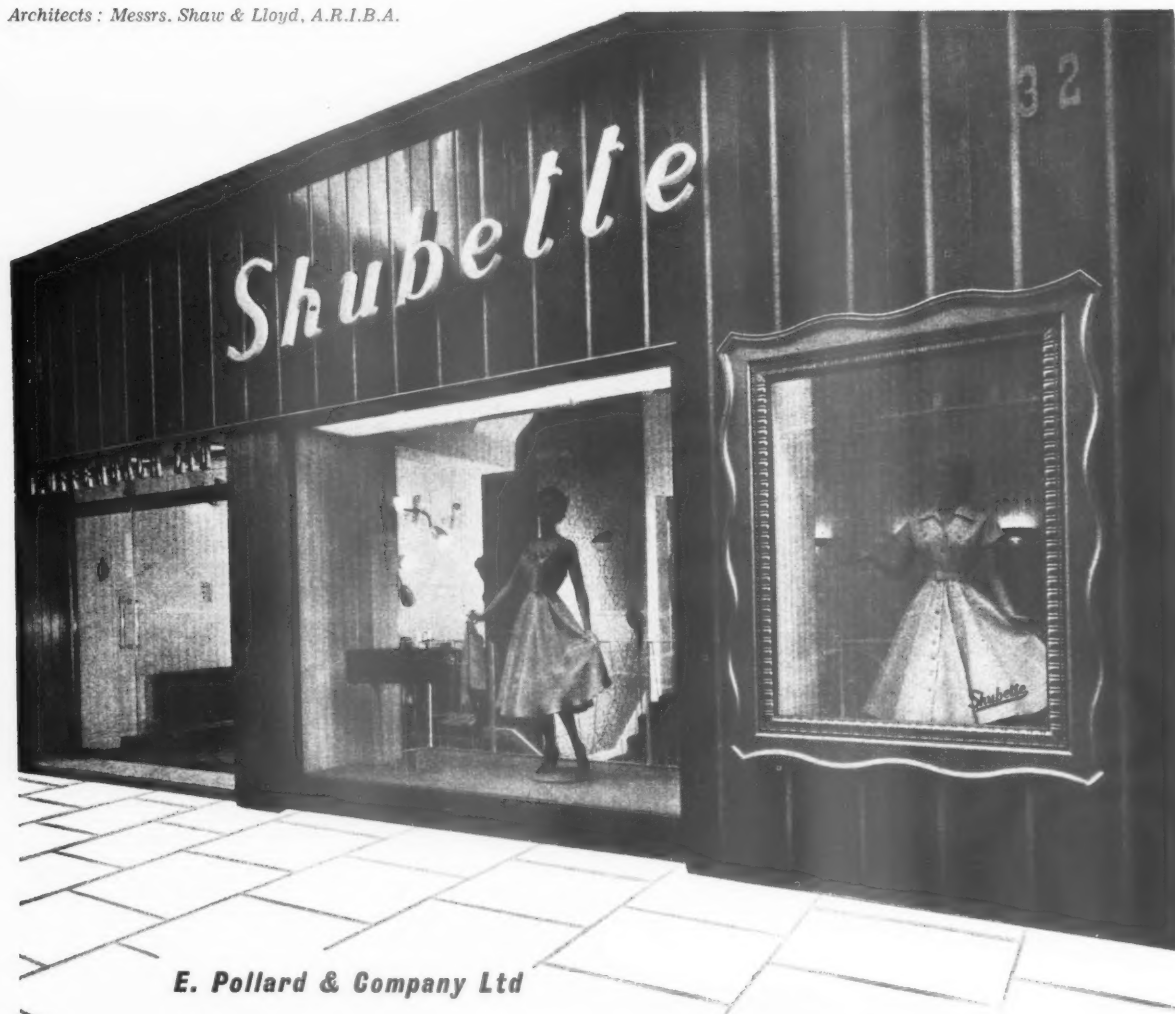
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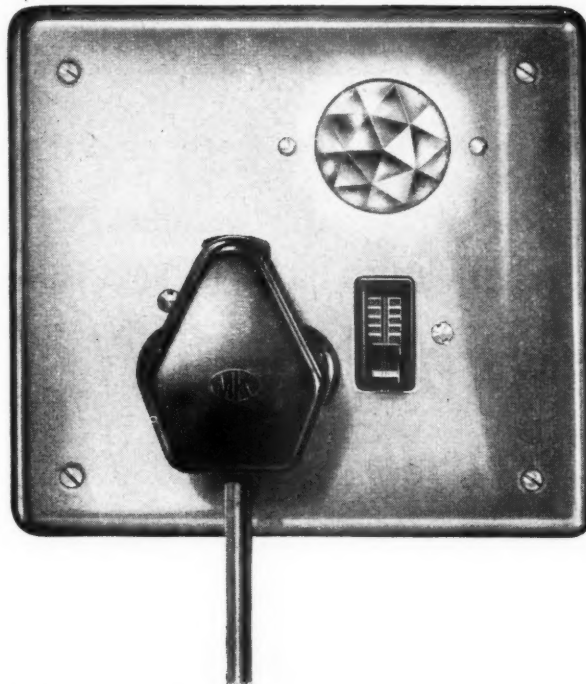
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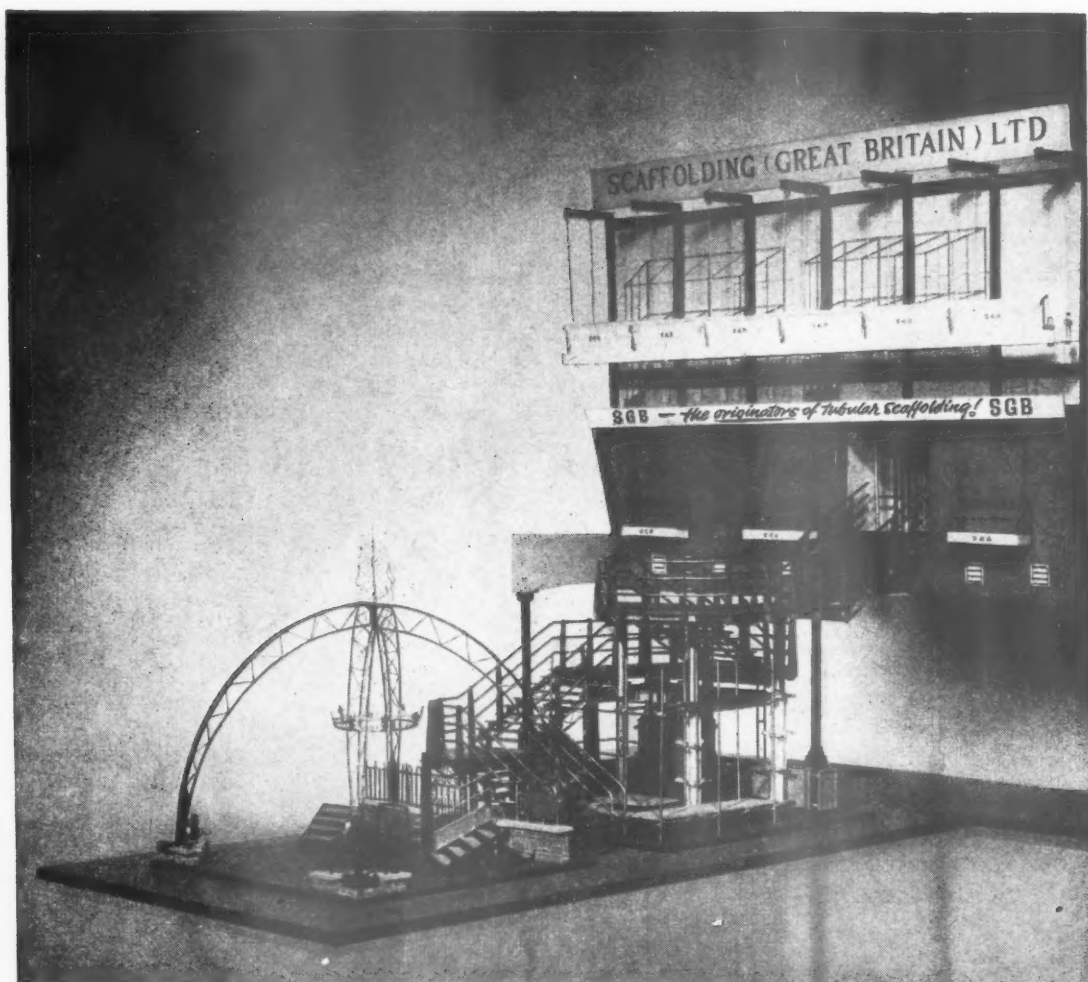
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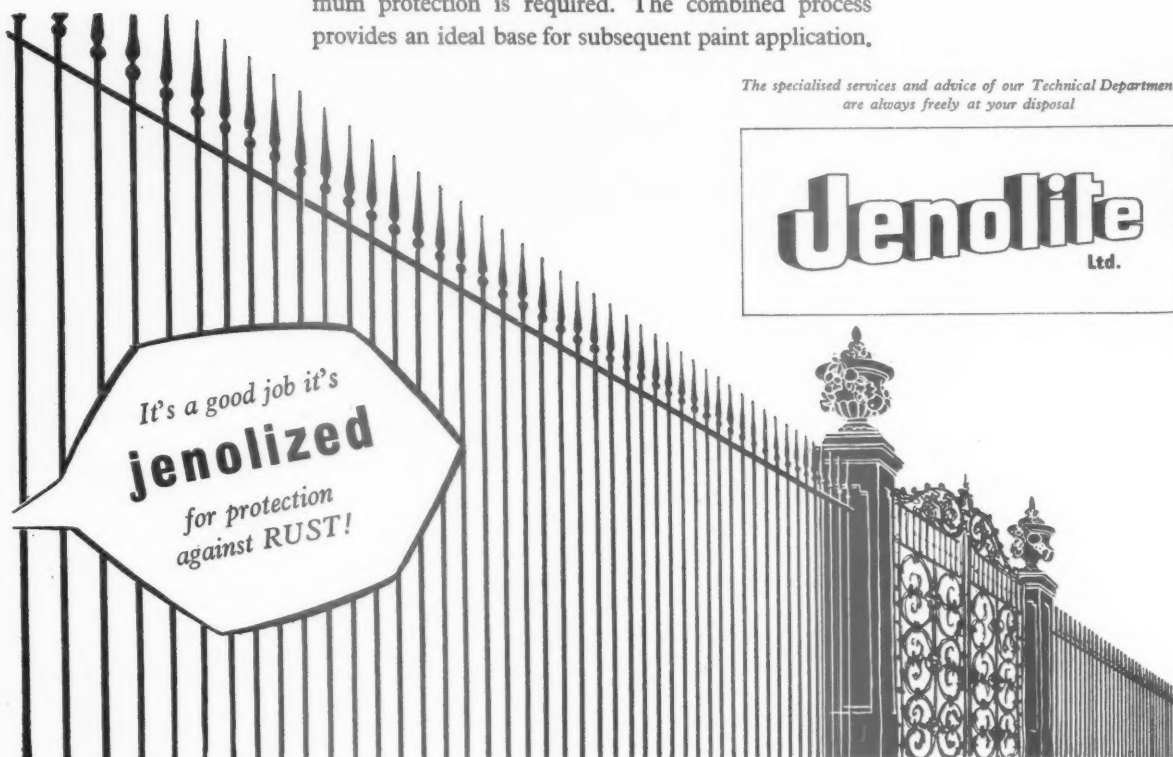
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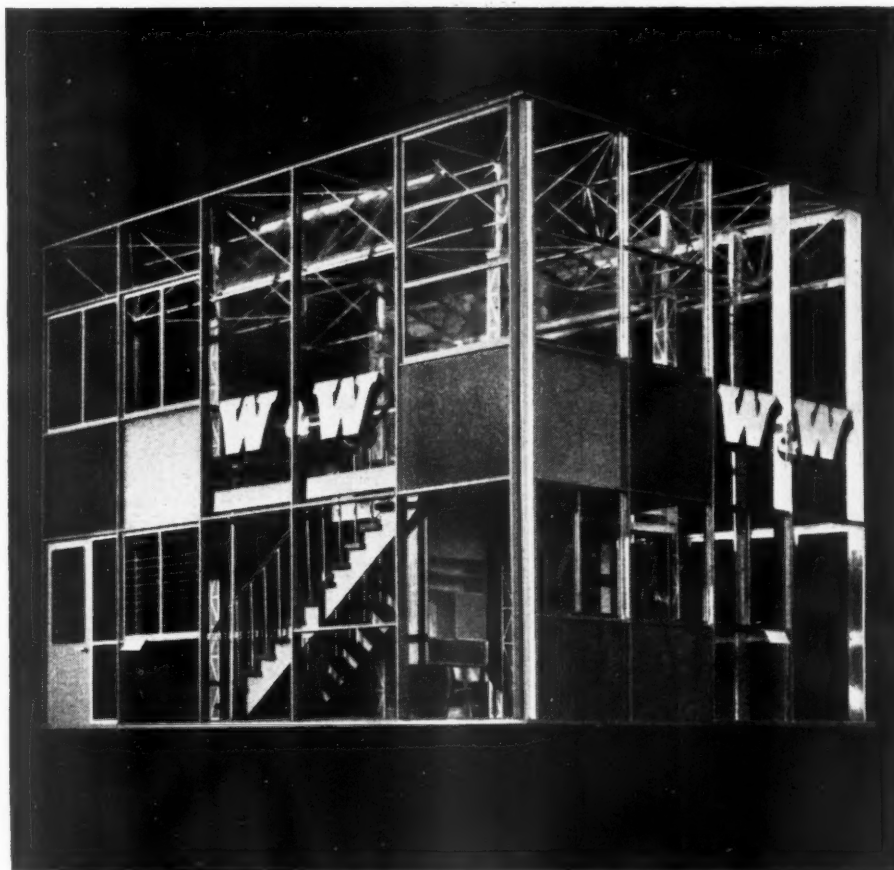
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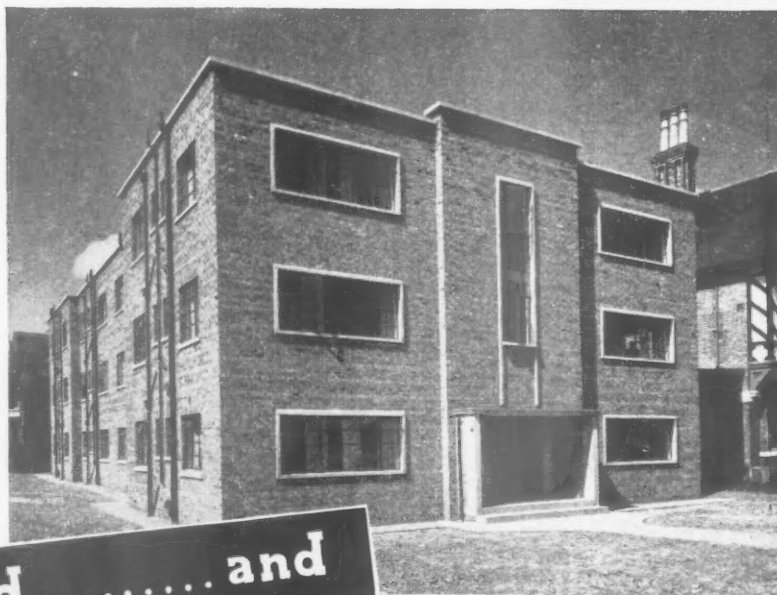
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Photograph by courtesy of Leeds Corporation.



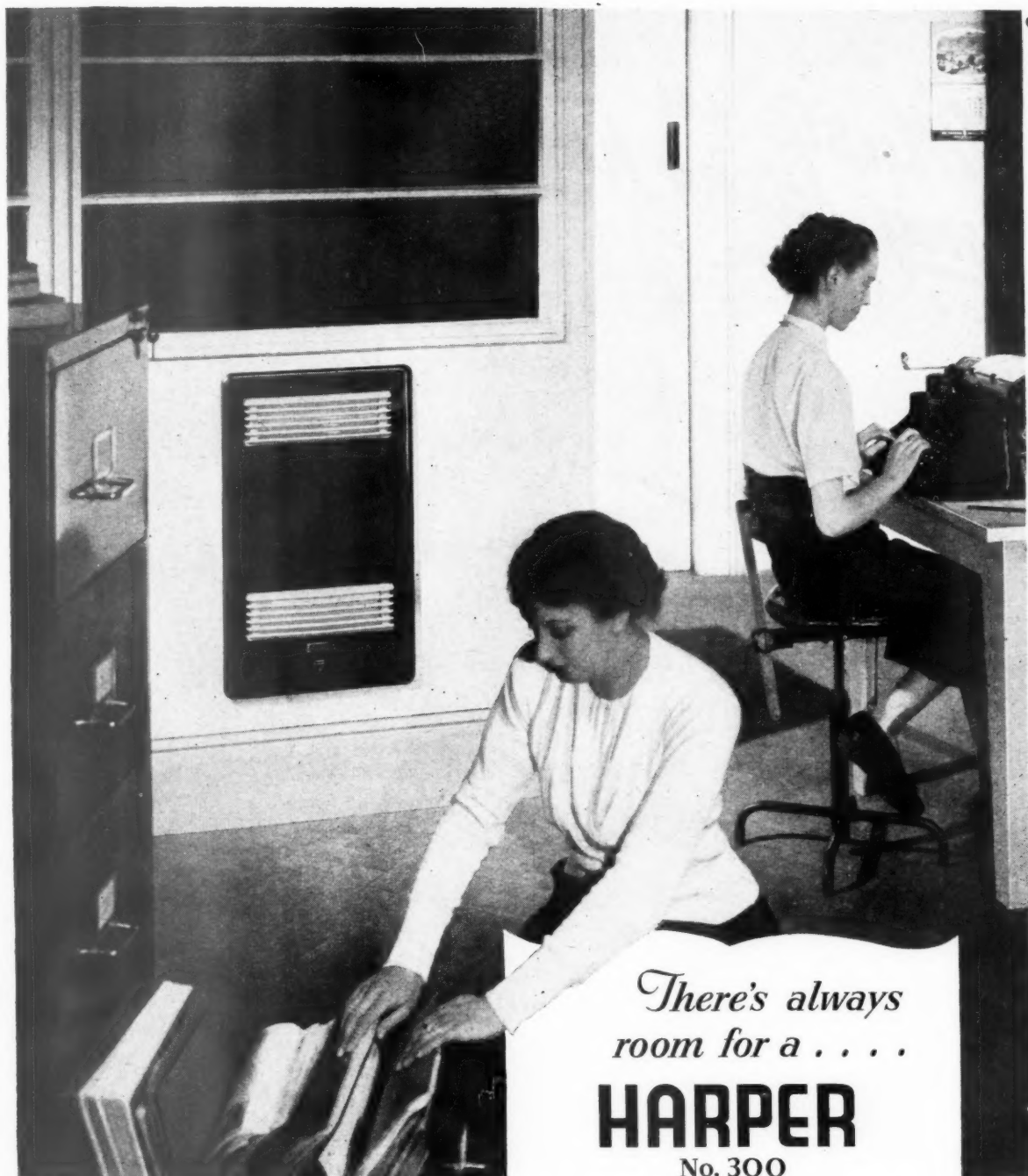
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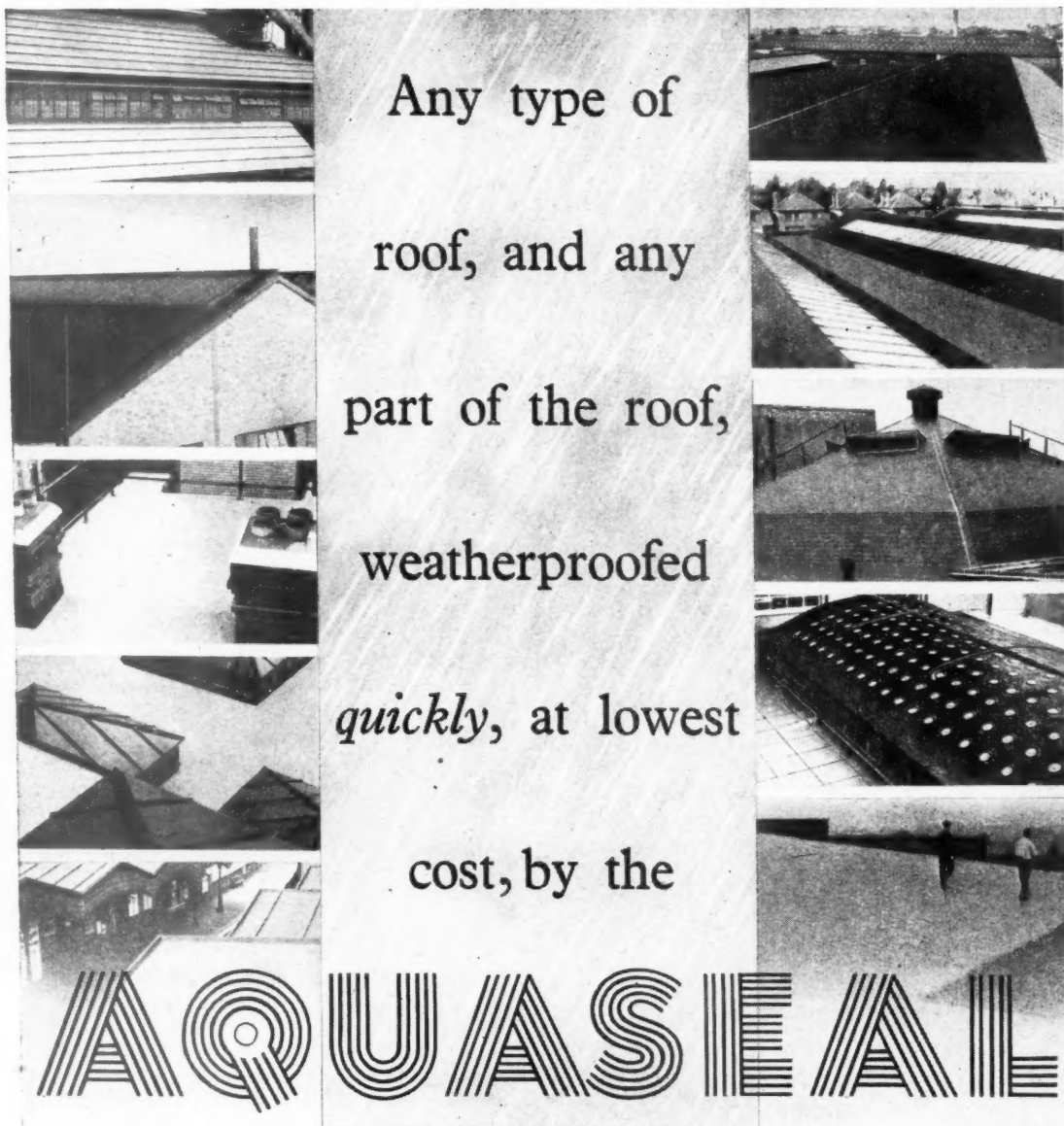
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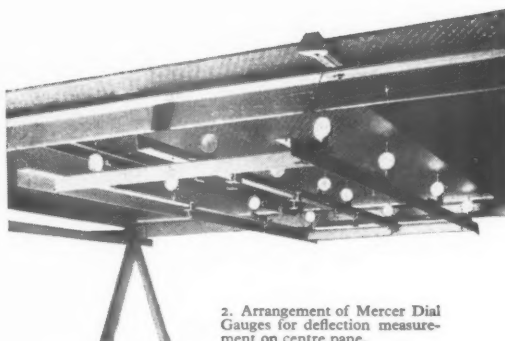


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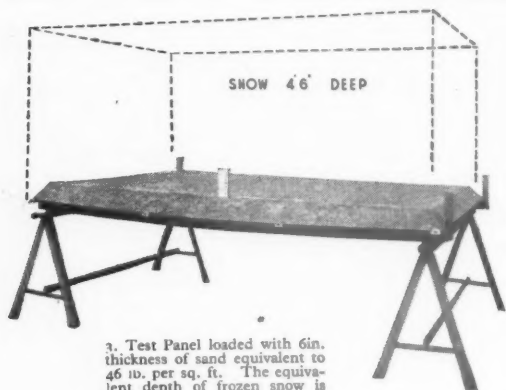
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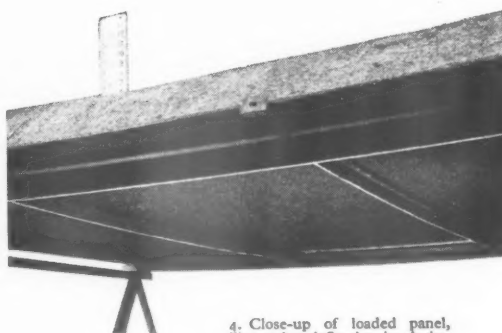
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2. Arrangement of Mercer Dial Gauges for deflection measurement on centre pane.



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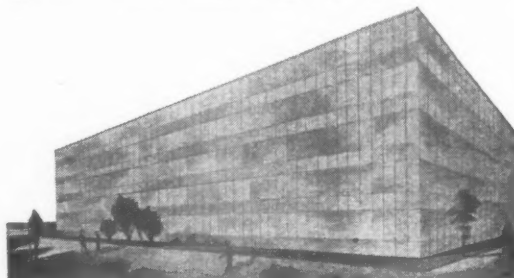
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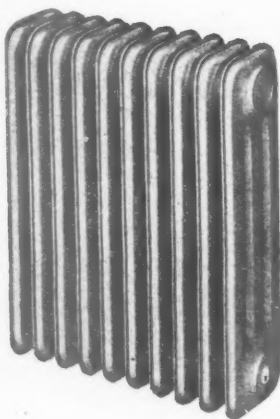
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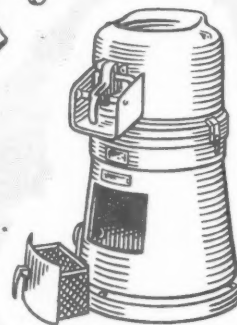
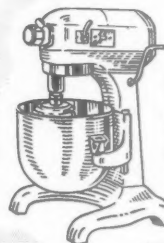
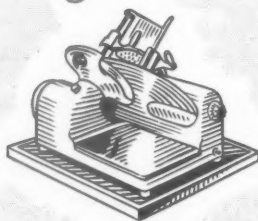
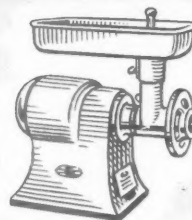
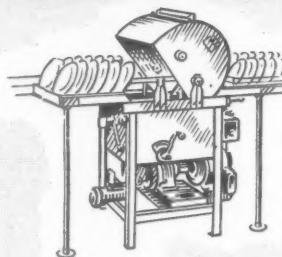
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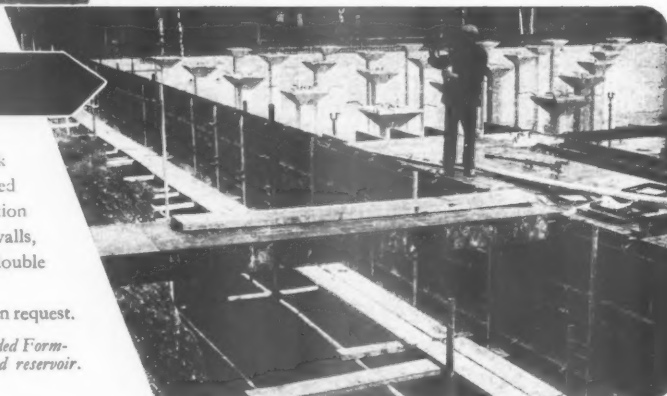


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The author has drawn his examples from all over the world; from Belgium, Brazil, Denmark, England, France, Italy, Sweden, Switzerland and the U.S.A.; they vary from the little twenty-foot-square garden at the back of a London East-end terrace house to the several square miles of Stockholm's famous public parks, and

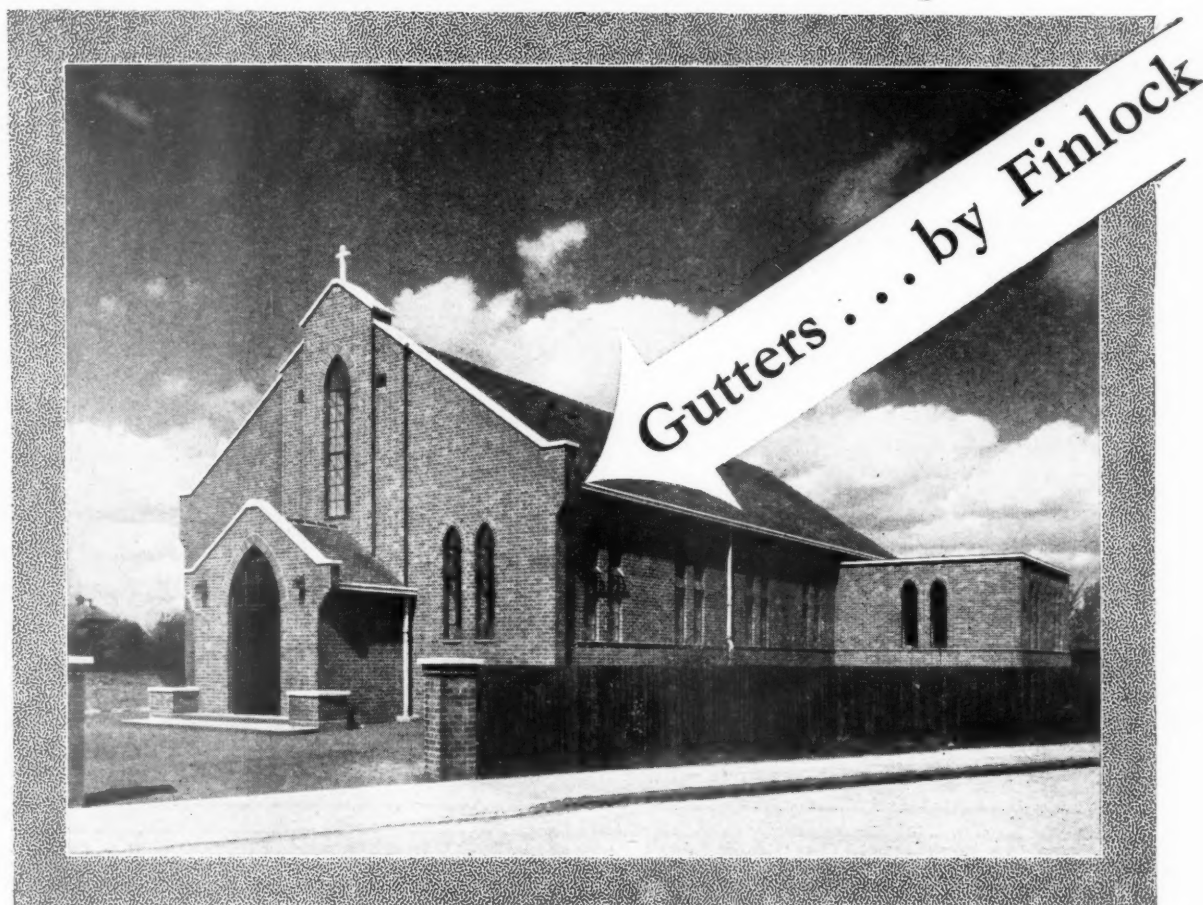


include examples of roof gardens, indoor gardens, long narrow town gardens, large country gardens set in woodland, and gardens in the desert and by the seashore. He provides numerous plans of the gardens and whenever possible gives details of the material used in the construction of paths, walls, terraces, pergolas, etc., and the names of the plants which are grown.

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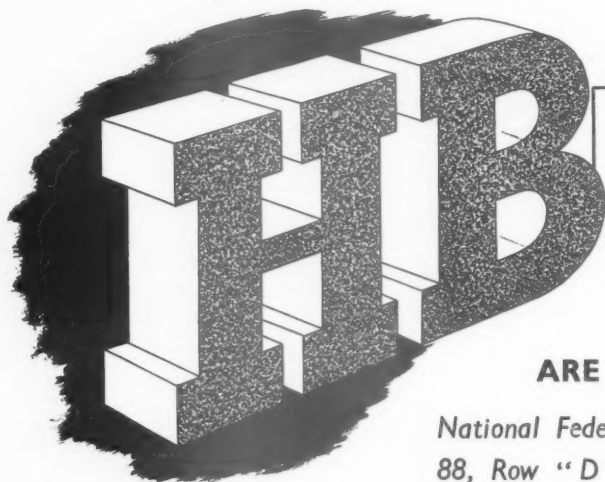
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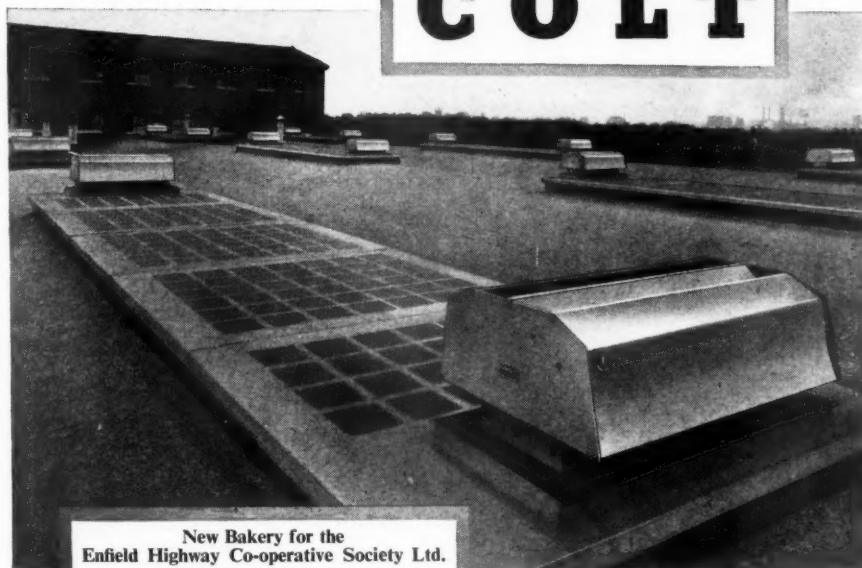
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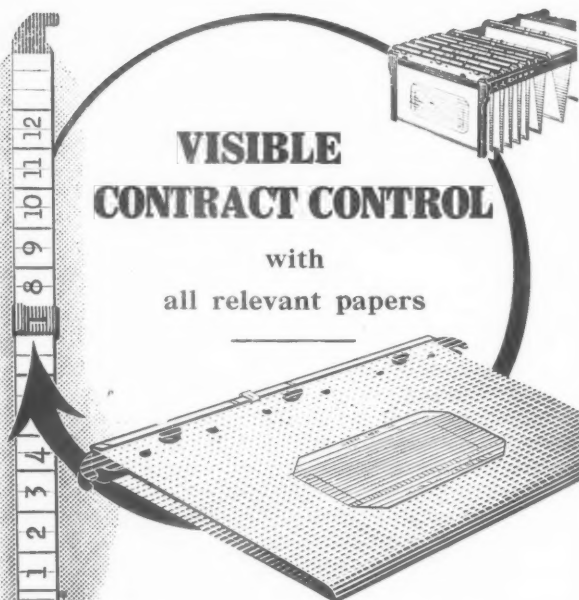
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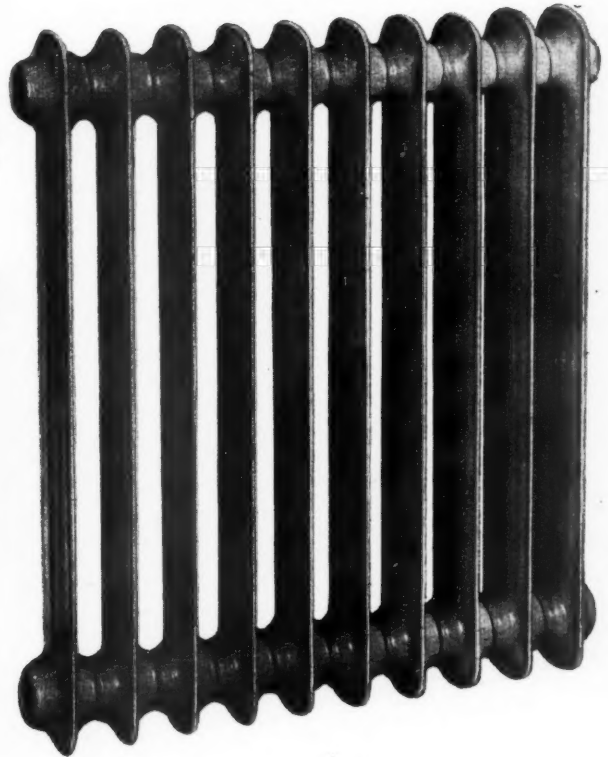
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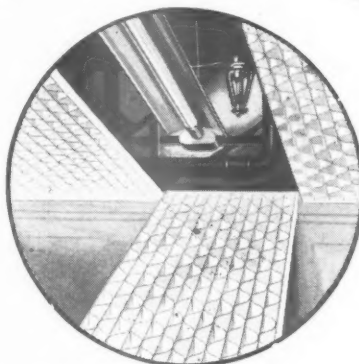
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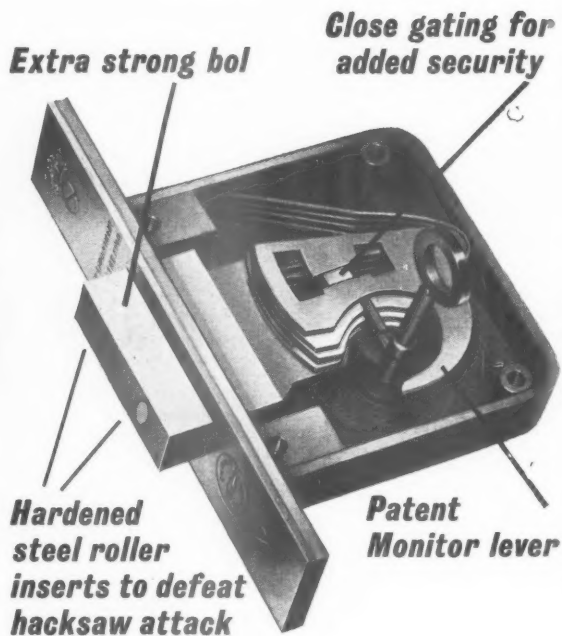
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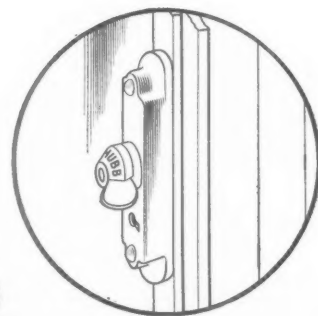
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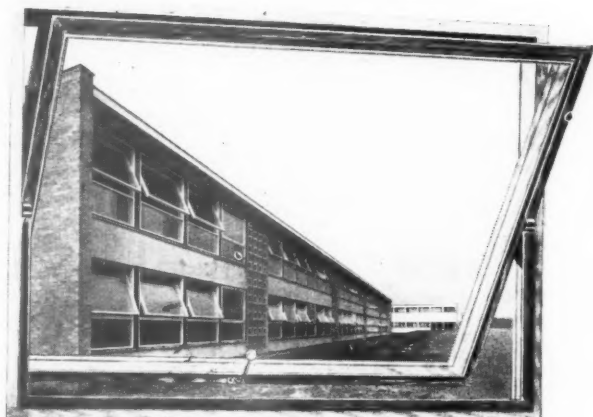


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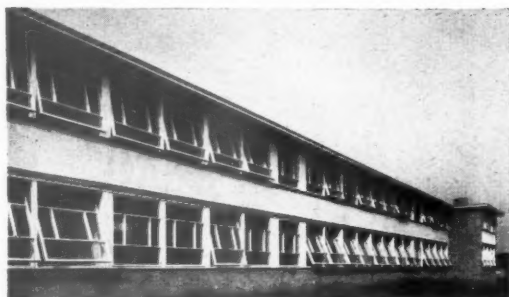
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Mayplace Road Infants' School, Crayford: Architects: Braddock & Martin-Smith, and Kent County Architect.



Infants' School, Leeson's Hill: Architects: Braddock & Martin-Smith, and Kent County Architect.



Private House for J. E. Barrett, Esq., Bromley, Kent.

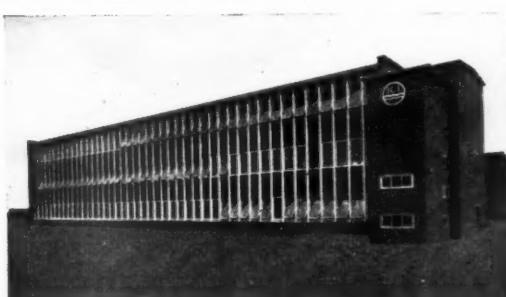
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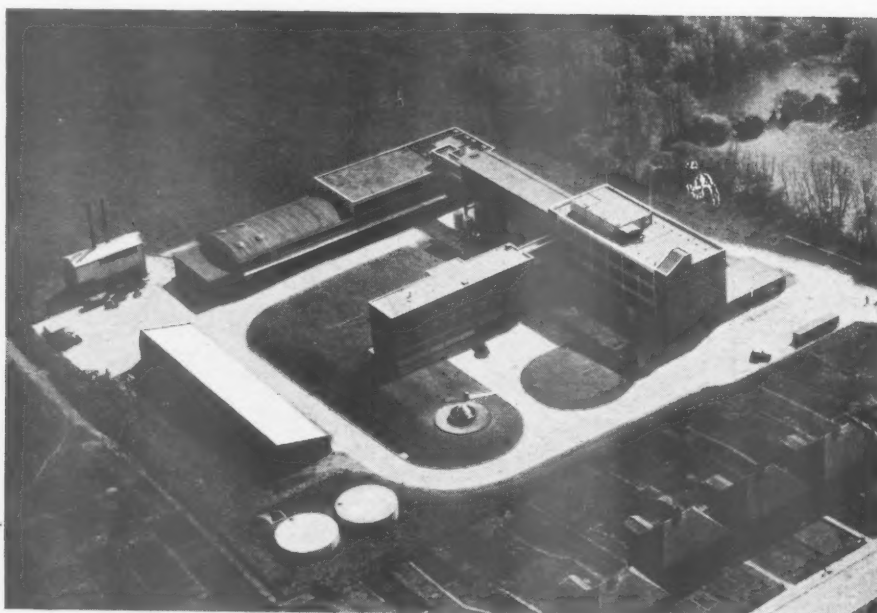


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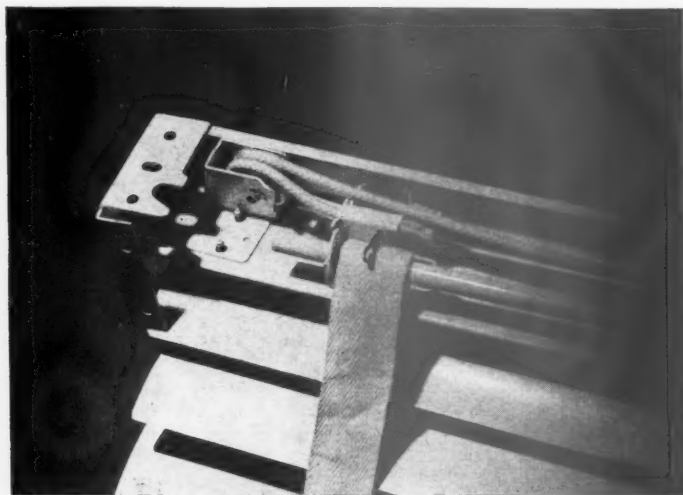
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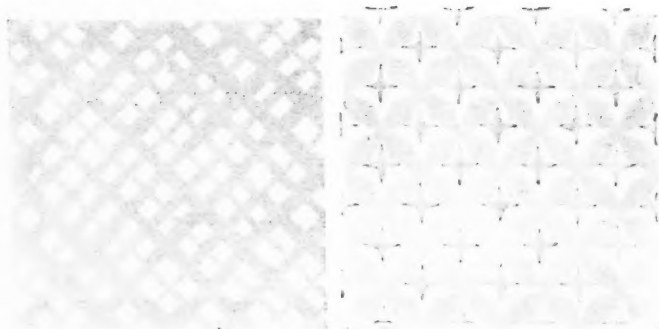
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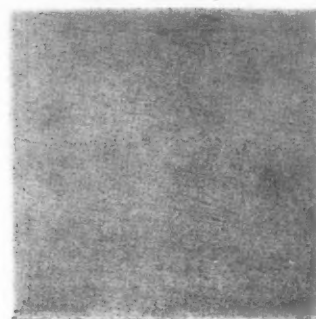
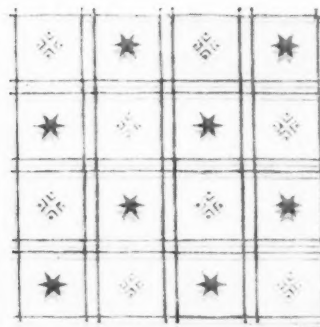
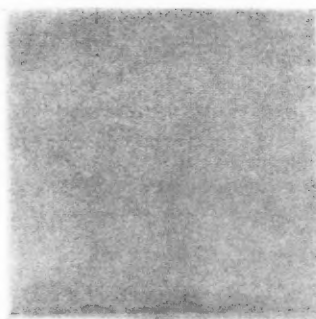
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POLITICAL HOUSING

We can now make a fairly safe bet that "housing" will be an issue at the next general election and our ears will soon be ringing with remarkable allegations. One can only admire Mr. Macmillan for daring to touch the politically red hot problem of our decaying houses, although one cannot see that his proposals are going to take us far. Unless a landlord can put and keep his houses in good shape, pay all administrative charges, and make 3 or 4 per cent. on his investment he is not going to bother very much. Why should he? So the nationalization or municipalization of a host of houses is likely to be a big feature of party political broadcasts.

ASTRAGAL, who can always be relied on to damp down a bonfire with a little petrol, offers two other subjects for discussion by our masters. First, in 1937-38 the total cost (including land, roads, etc.) of an 800 sq. ft. local authority house was about £480. A man then earning £4-£5 a week had a chance of being able to buy a similar house over a period of years. Current figures for 500 dwellings in the Midlands show a total cost of £1,700 per dwelling. Broadly speaking, a family man now earning £8-£9 a week has no hope of being able to buy a house at this price out of income. A separate home for each family is of first importance, but it should be attained, if any way possible, without perpetual tenancy for millions—leading to the problem of paying the rent in old age.

Second, a very large number of larger houses are "frozen," by the Rent Restriction Acts, in the possession of the middle-aged and elderly. A quarter of the households in England and Wales comprise either one person occupying three or more rooms or two people occupying four or more. Young people with growing families have in most cases to rely on the local authorities, who therefore have strong arguments for continuing to build four- and five-room dwellings. There is thus no force politically powerful enough to launch the building of houses made to the measure of two people, or two and a baby, though tens of thousands of them would be welcomed by young couples or old people unprotected by the Acts.

SAVING THE THERMS

It is an excellent thing that the coal, gas and electricity interests should have

sponsored a joint piece of propaganda for the improved insulation of existing houses, and it is better still that their booklet* should not only say how much insulation may cost but also where the materials can be bought. Recommended ceiling treatments vary in price between about £4 and £12 for 500 sq. ft., which is interesting in view of the fact that the degree of insulation provided is about the same for each material.

Advice is also given of draught-proofing and the insulation of hot water cylinders and cold supply tanks. Most of it is rather elementary and architects should know it already, but the information is clearly given and the various hints and tips are quite practical, e.g., don't order insulation in packages too big to go through the ceiling trap.

Telling people what they can easily and cheaply do for themselves is a sensible way to tackle the fuel saving problem.

WRIGHT AT VENICE

One of the most instructive abstract arguments about architecture for some time has been proceeding in the correspondence columns of *The Times*. Its theme has been the proposal to erect a building by Frank Lloyd Wright on the Grand Canal in Venice, a subject on which rumours have been circulating for some time. The first shots were fired by Peter Quennell, who described the proposal as a "piece of inexcusable vandalism . . . grossly out of harmony with the existing architectural

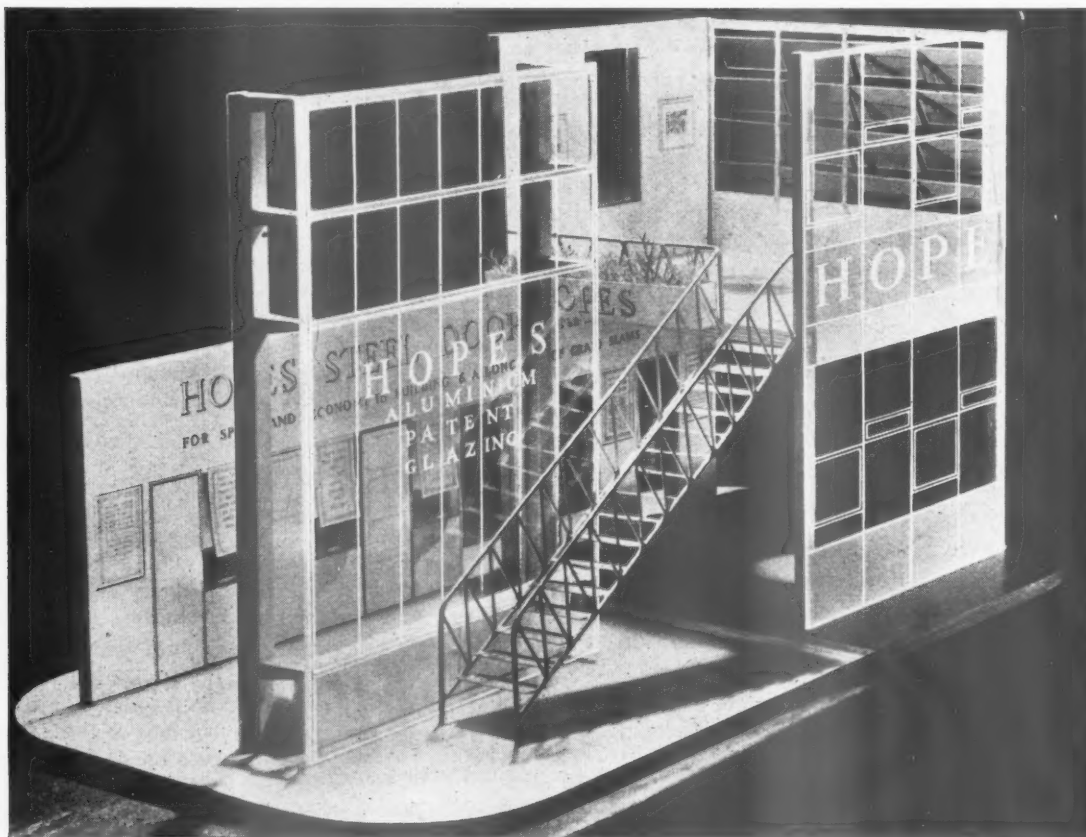
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One of the few non-English examples in the new book, "*The New Small House*," which is reviewed below. This staggered terrace of five single-family houses, in Klampenborg, Denmark, was designed by Arne Jacobsen.

pattern," and asked for support with a petition which is being got up in Venice against it.

*

He rather weakened his case by saying that commercial interests strongly support the scheme, which, in context, made it sound as if this was to be another hotel, but a New York correspondent of *The Times* says it is to be a memorial to a young architect, in the form of a small architectural library and a dormitory for 12 students. On the other hand, Mr. Quennell did claim to have seen the drawings, which none of the subsequent correspondents seem to have done.

*

What is odd, however, is that in spite of a fine jingo appeal to British sentimentality—"countrymen of Byron and Ruskin, etc."—the rest of the correspondence has been pro-Frank, or anti-Quennell at any rate. It seems to have filtered through to English lovers of the Queen of the Adriatic that, like the serpent of old Nile, her charm resides in her infinite and unstaled variety. One of the letters even used the word *townscape* (in *The Times* too,

whatever next?), and they have all taken the view that something modern on the Canalozzo might not be amiss, especially as it would replace a couple of rather dilapidated and undistinguished buildings in an otherwise rather splendid area, next to the Balbi, and opposite the Foscari.

*

At the moment ASTRAGAL, who hasn't seen the drawings, is lying doggo.

HOMES . . .

The small house of the '50s is obviously destined to be something very different from its counterpart of the '30s. Just how different can be seen from a new book, *The New Small House*,* compiled and written by F. R. S. Yorke and Penelope Whiting—a book that will interest the layman, now that building regulations are eased, as much as the architect. It contains sixty-five examples of new houses and housing schemes—mostly British, though a few American and Scandinavian houses are included—and these range in cost from £1,000 to £4,000. Each is described and illustrated with plans and photographs.

* Architectural Press. 25s.

We have all heard scathing references to the "minimum box." This book shows that the need to make proper use of new methods of building and to provide an efficient plan within a compact space and at a low cost has put the architect on his mettle. The "minimum box," when planned by the right man, can be a fascinating home—even, perhaps, a phase—if a rather minor one—in the story of domestic architecture.

. . . AND GARDENS

If you can build only a small house today, you are still allowed to lay out a large garden—if you can get the ground. And if you have a garden of any kind—either a pocket handkerchief or a park—you will get a great deal of useful information from Peter Shepherd's admirable book, *Modern Gardens*.* Even if you are a city flat-dweller you will get a lot of pleasure from this beautifully produced and illustrated book, which contains examples from all over the world and gives plans, details of materials used for walls, paths, pergolas, and so on, as well as names of plants grown.

* Architectural Press. 36s.



Garden on the Beach

This is, perhaps, the most unconventional garden in the book, *Modern Gardens*, written by Peter Shephard, which was published last week by The Architectural Press at 36s. It is the garden of a week-end house on the beach at Aptos, California, USA, and was designed by Thomas

Church and Associates, whose work is among the most noteworthy of the modern school of landscape architects in the USA. Most of the area is covered with a raised redwood deck, sand and sun-loving plants. ASTRAGAL reviews the book on page 615.

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POINTS FROM THIS ISSUE

Softwood restrictions removed	page 618
Proposed University Buildings for Malaya	page 618
Architectural Press Stand at Building Exhibition ..	pages 620 and 644

The Editors

THE BUILDING EXHIBITION

THIS year the Building Exhibition celebrates its Silver Jubilee. This is, therefore, a suitable time to draw up a "balance sheet" for it.

On the credit side the Exhibition gives architects a chance to see, handle, and discuss with manufacturers the products they might otherwise know only from the advertisement pages of the architectural papers. It also acts as a stimulus to manufacturers: it is surprising how many new, or at least radically modified, products can be found among the exhibits. Even the manufacturers of well-established goods are able to show some improvements at each Exhibition.

On the debit side there is the growing size of the exhibition. It would take a visitor four working days to spend only three minutes on each stand this year. Of course, few visitors want to see every stand, but the task of the selective viewer is somewhat difficult—as we have pointed out frequently in the past—for the exhibits are not grouped according to subject (as they are at the BIF), and he may have to cover the entire floor area of Olympia just to see the dozen or so stands on which are exhibited, say, windows and window fittings.

Then there is the question of the size and the cost of the stands themselves. Exhibiting at the Building Exhibition is a matter of prestige. Few large firms are willing to risk not being present, even if they have nothing new to show, and they thus find themselves faced with a bill for, perhaps, between £3,000 and £4,000 for a stand in keeping with their reputation. Similarly, the firm with one small new product—a new pipe clip, for example—feels obliged to cover, at great expense, two or three hundred square feet of floor space.

A solution to these problems, which we put forward for the consideration of exhibitors before the next Exhibition, is the group stand. This has been adopted at some continental exhibitions and was, we believe, once tried by the British Plastics Federation. A group of manufacturers combine to produce a large stand, laid out as a lounge where exhibitors may sit. Along the walls of the stand is a series of display panels for photographs and descriptive material, and a series of "shop windows," perhaps one yard square, in each of which a manufacturer displays one of his products.

The group stand would not be suitable for every type of product, but it would help some exhibitors to keep their costs down and it would enable the visitor to see more exhibits in a shorter time.

In a subtle way our attitude to garden design has changed in the last twenty years at least as much as our attitude to building. The gardens shown in this book were all designed in the last twenty-five years and they *belong* to the world of contemporary architecture. Most of them are shown in relation to the buildings they surround (one is seen opposite) and they all provide exciting and aesthetically satisfying pictures which make the book a delight to handle. This is a *must* for your Christmas shopping list. You can get it, as well as *The New Small House*, at the Architectural Press Stand (see pages 620 and 644) at Olympia.

MAKING HONESTY PAY

How would you like a "nice house in a nasty part of Westminster"? Even if one didn't like it, one would have to admire the frankness of an estate agent who used the phrase in an advertisement. ASTRAGAL's poor old aching heart warmed when he saw this example of the New Disingenuousness in the *Observer* lately—it certainly makes a change from the stilted genteelisms which the trade normally employs. But this particular agent could soar to even greater heights of transparency and in the same column advertised (to quote in its entirety) "RARA AVIS TO LET, NO PREMIUM. Belgrave Square (Nr.). Nominal £800 a year to suitable Institution or the better sort of Embassy. Condition poor, but not so frightful as appears at first sight. £1,000 allowed for this. (Note: a low club is not considered a suitable institution)."

*

The only trouble is that this open-faced honesty requires one to learn a new vocabulary, to forget all those time-honoured phrases like "delightful Georgian-style residence" and "commodious mews-flatlet conversion" and set about learning Latin. Though, of course, it may be that those who have sufficient classical education to know what a *rara avis* is, could also be relied upon also to distinguish between a better sort of Embassy and a low club. Incidentally, this new technique will probably lead to a lot of dishonesty. It will not be long before respectable residences are advertised in filthy terms to catch the newly-trained public eye.

ASTRAGAL



LIVERPOOL

Professor Stephenson Resigns

Professor Gordon Stephenson has resigned his post as Professor of Civic Design at Liverpool University in order to complete his development plan for Perth, Western Australia. This plan, which he has been working on for some time, covers some 2,000 square miles of rapidly expanding country round Perth; the population in the area is expected to reach one million in 50 years. Professor Stephenson sails for Perth in January. He will spend six months there.

Next September he is to take up an appointment as visiting Professor of the year and principal of the Department of City Planning at the University of California, Berkeley. He will be replacing, only in a teaching capacity, Professor Kent, who is coming to London. This arrangement was first discussed in 1948. The following year he will become Professor of City and Regional Planning at the Massachusetts Institute of Technology, an appointment which he will hold for several years.

A committee has been appointed to look for Professor Stephenson's successor at Liverpool. The editorship of the *Town Planning Review* will be transferred from Professor Stephenson to this successor. In the meanwhile Professor Gardner-Medwin will act as editor.

SOFTWOOD

Restrictions Removed

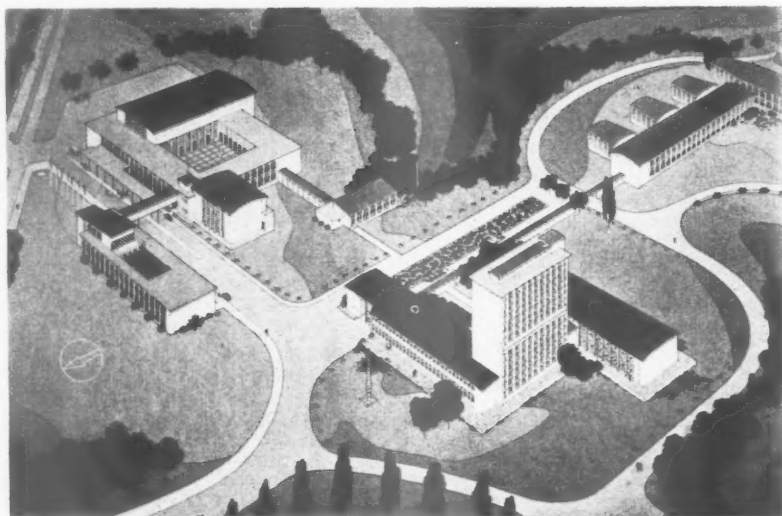
An order removing all restrictions on the acquisition, supply, and use of softwood took effect from last Friday. It is entitled the Timber (Control) (Revocation) Order, 1953, and was made by Lord Woolton, Minister of Materials.

Commercial stocks of softwood are now higher than at any time since the war. They are rapidly approaching the size of pre-war stocks. Additional supplies are also coming forward as a result of last winter's gales in Scotland. For these reasons it is thought that the abolition of consumption licensing—which has been in force since 1939—ought not to involve any appreciable increase in the level of softwood imports in 1954. The main sources of softwood import are Finland, Sweden, Canada, and Russia.

It will now be possible for anybody to buy and use softwood for whatever purpose he likes and in any quantity. With the stocks available, there should be no need for buyers to pay prices any higher than at present.

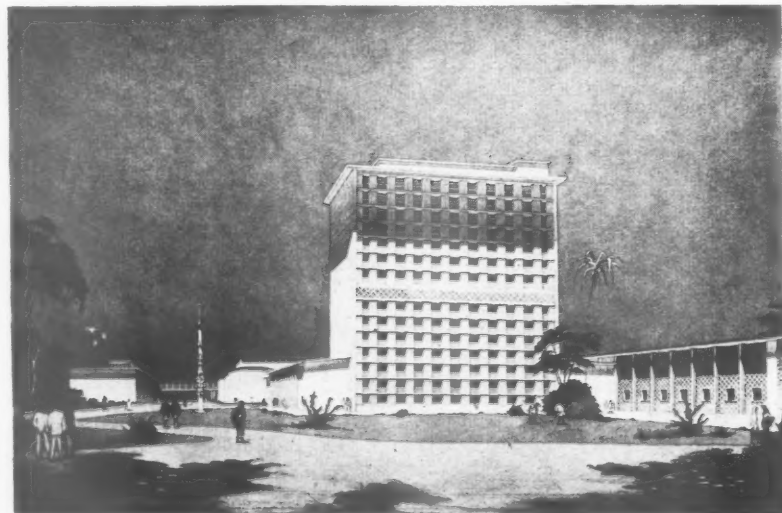
Most hardwood has already been freed from consumption licensing, and the new order now frees the few "scheduled"

PROPOSED BUILDINGS FOR NEW

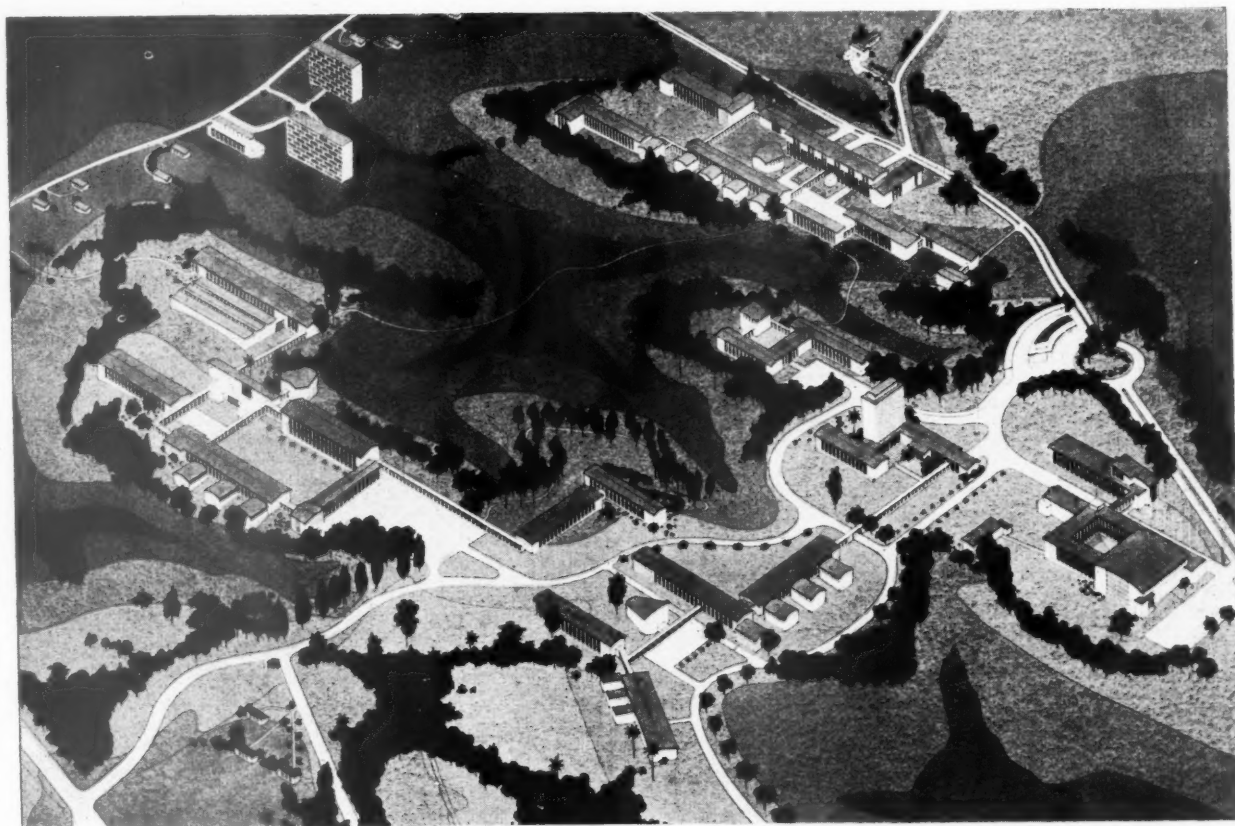


The University of Malaya asked Easton and Robertson to prepare a scheme for a new university campus, which will eventually supersede existing buildings in Singapore. Although the scheme has now been accepted by the University, alternative proposals are likely to be put forward because of the great cost. The perspectives which were submitted are illustrated on this and the following page.

The 1,400-acre site, 20 miles north of Singapore, is covered with rubber trees and other trees and scrub and is intersected by ravines. As only the southern part of the site is covered by anti-malarial draining, development will begin in this part with the construction of the nucleus buildings, including large and small halls, the library and faculties of arts, social studies, science and medicine. Students and staff quarters, also on the southern part of the site, will be built to keep pace with the academic and social accommodation, as no housing exists at present. Ultimately, 3,500 students and 3,500 staff of all ranks, including their families, will be housed. The total cost is estimated at 145 million Straits dollars, which will cover the requirements of establishing a large community on new land. It will take 15 years to complete the University. Above, the nucleus and library from the north-west, bottom, the library from the west.



UNIVERSITY OF MALAYA AT JOHORE BAHRU



Right, the University campus from the south-east. Residential accommodation for students and staff is grouped at the north and south ends of the site (top right and bottom left of picture). The University buildings are placed between the two residential groups. Above, the nucleus, faculties and main departments from the south-east. The faculty of arts in the foreground includes schools of oriental studies, geography, philosophy and history of art, history and English and mathematics. The faculty of science, left of picture, includes a school of engineering. The nucleus, on the extreme right, houses the administration. The most prominent feature of the library, to the left of the nucleus is the air-conditioned stack tower in which books are kept. Above and to the left of the library are the institutes of economics, education and social studies. The faculty of medicine is at the top of the picture. Residential flats for students and staff houses can be seen top left.



(dollar) hardwoods from consumption licensing as well, although their import will continue to be restricted.

Simultaneously, the Board of Trade are removing the limits which were previously imposed on the import of hardwood from non-dollar, non-sterling sources.

LCC

Nominated Contractors

Two contractors have been nominated by the LCC to work with the Architect to the Council, Dr. J. L. Martin, on the design stages of housing to be built in Camberwell and Greenwich. John Laing & Son are the contractors for the 22-acre Picton Street site in Camberwell and will work with a design team which will include Ove Arup & Partners, consulting engineers, and members of BRS. Details of this scheme, costing £1,680,000 were announced in the JOURNAL on July 30. Richard Costain Ltd. have been nominated contractors for the Brooklands Park site at Greenwich, where 300 dwellings will be built. Site work will not start for another 12 months.

CROYDON

Wrencote to be Preserved

Wrencote, an 18th century house in Croydon High Street, is not to be replaced by offices. As a result of an inquiry held by a MOHLG

inspector at Croydon in July, the Minister of Housing and Local Government has made an order under Section 29 of the Town and Country Planning Act, 1947, restricting the demolition of the building. A grant towards the cost of restoration may be made under the Historic Buildings and Ancient Monuments Act, 1953.

RIBA

Research on Design and Construction

The RIBA Council has been informed by the Nuffield Foundation of their intention to undertake research on the design and construction of scientific laboratories and to consider similar work on agricultural buildings. The RIBA is willing to collaborate.

Fire Protection

Approval has been given by the RIBA Council to the action taken by the Science Committee, in collaboration with the Fire Protection Association and other interested bodies, in formulating recommended measures for fire protection in buildings of architectural and historic importance. Two documents are being prepared, one taking the form of a schedule of specifications and precautions to be taken by contractors when working on such buildings, and the second that of guidance to owners.



The totem pole, designed by Barney Seale, is the central feature of the Silentine Paints Ltd. stand (C43) at the Building Exhibition. It is based on North American, African and Polynesian native carvings and is 22 ft. high.

TORQUAY

Architects as Part of Society

Architects should take part in the civic life of their towns and cities stated Edward Narracott, president of the Devon and Cornwall Society of Architects, speaking at their annual banquet held at Torquay recently. He said that it would be a good thing for everyone concerned if more architects became councillors. A. J. Bovey, the Mayor of Exeter, proposing the toast of the RIBA, said that people were taking a far more lively interest in architecture than they used to do. Howard Robertson, president of the RIBA, replying to the toast, said that private architects had been "starved of building" for a long time. Many of them have been on what might be called a "starvation diet" for several years. Over 130 members attended the banquet.

DIARY

Modern Mexican Architecture. Sir Alfred Bosson. At the RIBA, 66, Portland Place, W.1. (Sponsor: British Mexican Society.) 5.30 p.m.

NOVEMBER 23

The Management of New Towns. Henry W. Wells. At the TCPA, 28, King Street, W.C.2. (Sponsor: Students' Planning Group.) 6.30 p.m.

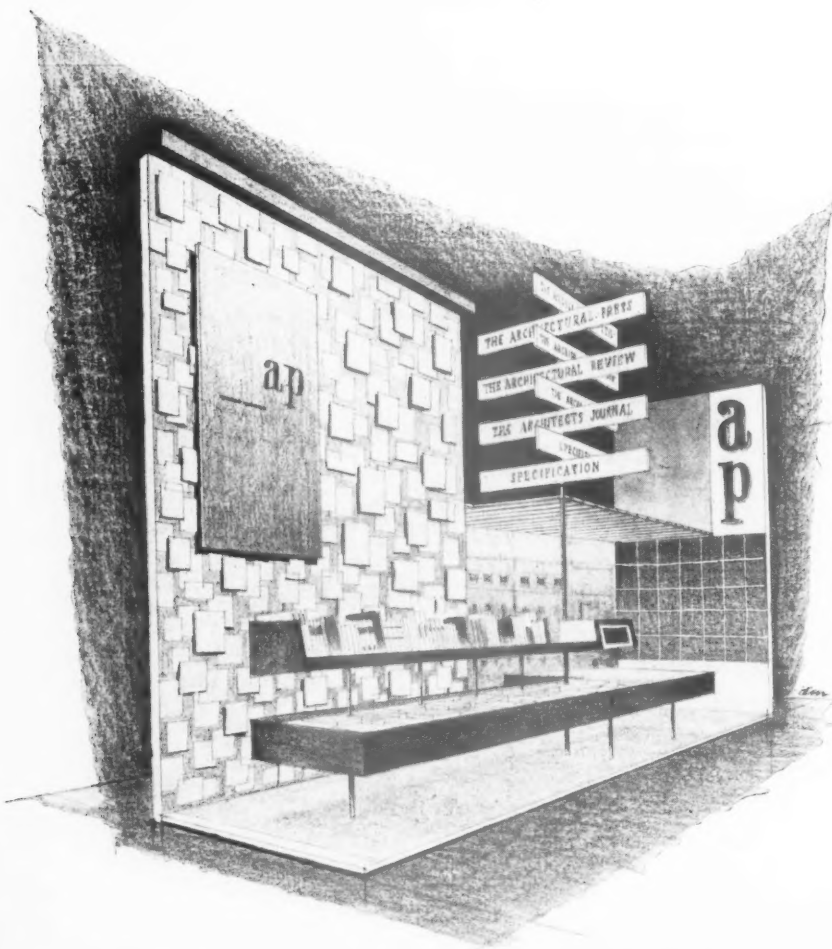
NOVEMBER 26

Proportion and Symmetry. C. A. St. John Wilson. At the ICA, 17-18, Dover Street, W.1. 8.15 p.m.

NOVEMBER 26

Brief City. Film at the BC, 26, Store Street, W.C.1. Daily, 5.30 p.m. and 6.15 p.m.

NOVEMBER 23 TO 27



The Architectural Press stand at the Building Exhibition, Olympia, was designed by The Dewar-Mills Associates. More details appear on page 644.

It is virtually impossible for the practising architect to visit all the 600 stands at the Building Exhibition. The editors of the JOURNAL have, therefore, tried to help the architect to choose the stands he will visit, by selecting from this number about 200 which they consider the most interesting from the architect's point of view. In the following twenty-three pages, the displays on these stands are classified and described and, in addition, some of the most recently produced exhibits are illustrated. Inset, are "thumb-nail" sketches of some of the more attractive stands (to help you find them), and additional information about the firms exhibiting, including the names of persons on the stands qualified to answer technical enquiries, have been given where this information was available. The loose supplement (on blue paper) enclosed with each copy of this week's JOURNAL contains a map of the exhibition and a list of all the exhibitors, together with their addresses. Don't throw this away after the show—it provides a useful office reference all the year round. In the JOURNAL for December 3, we shall be publishing photographs of some of the stands (a large number of which have, on this occasion, been designed by architects), together with a general report in which we hope to concentrate on new products for which advance information is not available.

BUILDING EXHIBITION, 1953

OLYMPIA, NOV. 18 TO DEC. 2

DIARY OF RECEPTIONS AND MEETINGS

Date	Time	Place	Organization
Wed., November 18	morning ..	Empire Hall Restaurant ..	British Cast Concrete Association.
	afternoon ..	Conference Room ..	English Joinery Manufacturers' Association.
	3 p.m. ..	LMBA Clubroom* ..	Mr. and Mrs. Gerald Hill "At Home" to all members of LMBA and NFBTE.
Thurs., November 19	11 a.m. ..	Addison Cafe ..	British Ceramic Society.
	6 p.m. ..	Conference Room† ..	RICS (Junior Branch). Paper by Mr. Dallimore on "Contractors Plant and its effect on Building Costs."
	all day ..	LMBA Clubroom ..	LMBA North-western area.
Fri., November 20	10 a.m. ..	Conference Room ..	Southern Counties Federation of Building Trades Employers.
	2 p.m. ..	Empire Hall Restaurant ..	Prestressed Concrete Development Group.
	4 p.m. ..	Addison Cafe ..	Ministry of Works. Lecture by D. E. Woodbine-Parrish on "Management in the Building Industry."
	evening ..	Building Exhibition Dinner-Dance in aid of Building Charities.	
	all day ..	LMBA Clubroom ..	LMBA South-western area.
Sat., November 21	10 a.m. ..	Conference Room ..	Furniture Development Council.
	3 p.m. ..	Addison Cafe ..	Guild of Bricklayers.
Mon., November 23	all day ..	LMBA Clubroom ..	LMBA Central Area No. 3.
Tues., November 24	10 a.m. ..	Addison Cafe ..	National Federation of Clay Industries (Tile Section).
	1 p.m. ..	Empire Hall Restaurant ..	Worshipful Company of Tylers and Bricklayers.
	2.30 p.m. ..	NFBTE Stand ..	NFBTE Reception.
	4 p.m. ..	Addison Cafe ..	Institute of Clayworkers.
	all day ..	LMBA Clubroom ..	LMBA South-eastern area.
Wed., November 25	10 a.m. ..	Addison Cafe ..	National Federation of Roofing Contractors.
	all day ..	LMBA Clubroom ..	LMBA Central Area No. 4.
Thurs., November 26	10 a.m. ..	Conference Room ..	Incorporated Society of Estate Clerk of Works.
	all day ..	LMBA Clubroom ..	LMBA Central Area No. 1.
Fri., November 27	2.30 p.m. ..	Conference Room ..	London Building and Civil Engineers Joint Committee.
	2.30 p.m. ..	Empire Hall Restaurant ..	National Federation of Clinker Block Manufacturers.
	all day ..	LMBA Clubroom ..	LMBA Southern area.
Sat., November 28	2 p.m. ..	Addison Cafe ..	Incorporated British Institute of Certified Carpenters.
	2.30 p.m. ..	Conference Room ..	Institute of Municipal Building Management.
Mon., November 30	2 p.m. ..	Addison Cafe ..	Aluminium Development Association. Paper by Dr. West on "Aluminium in Building."
	3 p.m. ..	Conference Room ..	Association of Supervising Electrical Engineers.
	5 p.m. ..	Addison Cafe ..	Institute of Sanitary Engineers.
	all day ..	LMBA Clubroom ..	LMBA Northern area.
Tues., December 1	all day ..	LMBA Clubroom ..	LMBA North-eastern area.
Wed., December 2	all day ..	LMBA Clubroom ..	LMBA Central Area No. 2.
Every day (except Sundays)	10 a.m.-5.30 p.m.	Visitors' Lounge (Empire Hall Gallery)	Overseas visitors and exhibitors.

* In the Grand Hall, on the right of Addison Road entrance.

† National Hall Gallery.

THE BUILDING EXHIBITION: 1953

The JOURNAL'S Preview and Classified Guide to Exhibits

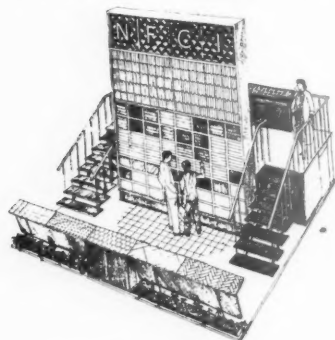
Trade Associations and Development Associations

Exhibited on the stand of **THE NATURAL ASPHALTE MINE-OWNERS & MANUFACTURERS COUNCIL [B.39]** are: photographs, diagrams and models showing how buildings can be made waterproof by the use of impermeable and jointless layers of asphalt, manufactured to special specifications for roofing, damp-proof coursing and tanking.

Also on show: photographs and samples of jointless hygienic domestic and industrial flooring in light-, medium-, and heavy-duty, and coloured grades.

Address: 94-98 Petty France, London, S.W.1 [Tel.: ABB 1010].

Exhibited on the stand of the **NATIONAL FEDERATION OF CLAY INDUSTRIES [D.88]** are: 88 specimen panels of facing bricks, drawn from works in all parts of the country.



Also on show: plain and double Roman tiles, pantiles, and a series of three-dimensional displays underlining the unique physical properties of burnt clay products.

The stand: designed by Cecil C. Handisyde, A.R.I.B.A.; the floor is of quarry tiles, laid to demonstrate the interesting effects which can be obtained

by varying the pattern and joint thickness.

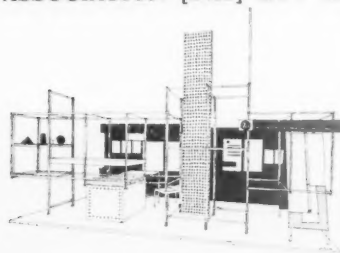
Address: Drayton House, 30 Gordon Street, London, W.C.1 [Tel.: EUS 2568].

Exhibited on the stand of the **COPPER DEVELOPMENT ASSOCIATION [Q.307]** is: a transparent model of a house showing the use of copper tubes and fittings for domestic hot and cold water applications, panel heating, and soil and waste services.

Also on show: illustrations of the use of copper for flashings, weatherings, damp-proof courses, and rainwater goods, and examples of various types of joint for copper tubes.

Address: Kendals Hall, Radlett, Herts. [Tel.: Radlett 5616].

Exhibited on the stand of the **ZINC DEVELOPMENT ASSOCIATION [D.82]** are: hot-dip galvanized building components. This



process of rust protection is the most widely used method of applying protective zinc coatings to iron and steel goods.

Address: Lincoln House, Turl Street, Oxford [Tel.: Oxford 47988].

Exhibited on the stand of the **LEAD INDUSTRIES DEVELOPMENT COUNCIL [H.189]** are: models of common uses of lead sheet and pipe in building work.



Lead-burning is being demonstrated.

Also on show: the winning entry in a competition held among students at technical schools for the best set piece of bossing, lead-burning and pipe bending.

Address: Eagle House, Jermyn Street, London, S.W.1 [Tel.: WHI 7264].

Exhibited on the stand of the **ASSOCIATION OF VERMICULITE EXFOLIATORS [N.H.G. 545]** is: exfoliated vermiculite as used as a loose-fill for fire-proofing and insulation, in roof and floor screeds made with Portland cement, and in plaster, when fire-resistance, resistance to cracking and prevention of condensation are important factors.

The association: recently formed to ensure that a material of uniform grading and quality shall be available throughout the British Isles.

Address: Plantation House, Fenchurch Street, London, E.C.3 [Tel.: MAN 9345].

Exhibited on the stand of the **TIMBER DEVELOPMENT ASSOCIATION [P.229]** is: a display demonstrating rigid frame construction in timber. The system shown



uses lengths of solid timber connected by steel joint plates or ring connectors and is suitable for a church or village hall. The Association has also developed a house construction system making use of timber thinnings, which are becoming available in increasing quantities.

Also on show: a suspended ground floor for housing; "type B"

trusses to take suspended ceilings and with spans between 25 and 45 ft.; displays dealing with panel heating, wood block floors, fire resistant timber structures and demountable partitions.

The stand: based on a design by J. R. Poole, A.R.I.B.A.
Address: 21, College Hill, London, E.C.4.

Exhibited on the stand of the **SOLID SMOKELESS FUELS FEDERATION [N.265]** are: appliances which can help in the campaign to abolish domestic smoke and to provide more efficient and economical heat services. Various methods of heating a living room are demonstrated, all of which also supply domestic hot water and provide background warmth, by two radiators, elsewhere

in the house. The appliances shown include an open fire with back boiler, a heating stove to serve a back boiler, and a hot water or small central heating boiler. These appliances are all designed to burn solid smokeless fuels and, therefore, meet the requirements of legislation in connection with smokeless zones.

Address: 1 Grosvenor Place, London, S.W.1 [Tel.: SLO 5136].

Prefabricated Buildings, Structural Systems and Components, Decking Units, etc.

Exhibited on the stand of GARDINER SONS & CO. LTD. [D.89] is: the "Thermagard" Mark III system of construction for schools. Based on the 3-ft. 4-in. horizontal module and the 2-ft. vertical module recommended by the Ministry of Education, the system comprises a structural



steel framework, designed by the firm, and incorporates "A-F" castellated beams and stanchions (British Patent 498281) of modular lengths and spacings. The windows are Gardin-

ners' standard aluminium school windows, designed in conjunction with the Ministry of Education, and include aluminium cover plates to stanchions and pressed aluminium soffits and cills where required. The framework is prepared to receive the following modular building materials which have been designed to fit the framework: wood-wool roofing slabs by Messrs. Therma-coust Ltd.; "Meta Mica" ceilings by Messrs. Meta Mica Ltd. Cladding of the outer walls is left to the individual tastes of the architects concerned; it is carried on perimeter beams specially designed to enable a variety of building materials to be secured with equal ease.

Address: Midland Works, Willway Street, St. Philips, Bristol, 2. London office, 8 William IV Street, W.C.2 [Tel.: TEM 5592].

New on the stand of BELLROCK GYPSUM INDUSTRIES LTD. [EHG.638/639] is: the most recent type of "Bellrock" panel, consisting of a moulded gypsum face and honeycomb core, bonded physically and mechanically to a second gypsum face. This is made on a semi-automatic press, which increases the rate of production and reduces the cost. Builders can hire it and make their own "Bellrock" panels on the site.

Also on show: a small bungalow constructed entirely from "Bellrock" panels, and suitable for tropical countries (various external finishes are shown); a new type of "Bellrock" panel with one face made of treated plaster which is impervious to water.

The firm: Established in 1946. Its earliest product was a 4 ft. by 3 ft. by 4 in. panel consisting of two plaster faces bonded by an interior plaster honeycomb reinforced with hessian. These panels were produced extensively in the Middle East and the West Indies. In 1948, the firm started quarrying and calcining gypsum in its own quarries at Staunton, Notts. In 1949, room height "Bellrock" panels were first brought on to the market.

The stand: designed by the firm, constructed of "Bellrock" panels.

For technical information ask for: Messrs. Farrer, Voisey or Williams.

Address: Head Office, 200, Westminster Bridge Road, London, S.E.1. [Tel.: WAT 3461].

Exhibited on the stand of S.M.D. ENGINEERS LTD. [S.342] are: models showing the company's "Alframe" system of aluminium construction, applied to prefabricated bungalows, industrial buildings, and aircraft hangars. The company built the 200-ft. clear span hangar at Hatfield for the Comet airliner.

The stand: designed by A. F. Hare, A.R.I.B.A.

Address: 2, Buckingham Avenue, Slough, Bucks. [Tel.: Slough 23212].

Exhibited on the stand of HOLOPLAST LTD. [EHG 615] are: full-scale models demonstrating how the "Holoplast" cavitated structural panel is being used for buildings in all parts of the world. The panel, claimed to be the only plastic structural panel in use, is manufactured in the factory in a single operation; it can be used for external walling, and, being self-finished, eliminates plastering and painting.

Also on show: corrugated plastic sheeting for roofing and wall cladding, and "Decorplast," the firm's malamine surfaced decorative sheet.

Address: New Hythe, near Maidstone, Kent [Tel.: Maidstone 7361].

New on the stand of TURNERS ASBESTOS CEMENT CO. LTD. [B.28-29] is: "Everite Doublesix" corrugated sheeting. This is a roofing material of considerable strength, reinforced with high-tensile steel wires and suitable for purlins spaced up to 6 ft. 6 in. centres.

Also on show: asbestos cement panel sheeting and cavity decking, the latter being intended particularly for flat or low pitched roofs with bearers spaced up to 10 ft. centres.

The firm: a member of the Turner & Newall Organization.

Address: Trafford Park, Manchester, 17.

New on the stand of MEDWAY BUILDINGS & SUPPLIES LTD. [E.112] is: the "Plyskin" system of prefabrication, consisting of stressed-skin plywood panels used in conjunction with laminated timber posts. "Plyskin" buildings can be easily transported and erected; the heaviest wall panel weighs only 60 lb.

Address: Phoenix Wharf, Rochester, Kent [Tel.: Strood 7521]. London office, 157 Victoria Street, S.W.1 [Tel.: VIC 7611].

New on the stand of DURASTEEL LTD. [Q.316] are: corrugated roof lights in Galt-glass fibre laminate to match "Durasteel"

roofing and ordinary asbestos cement profiles.

Also on show: "Durasteel" steel-cored corrugated roofing, fire-resisting doors and fire protection sheets.

For technical information ask for: R. S. Keith or C. J. Olivant.

Address: Oldfield Lane, Greenford, Middlesex [Tel.: Waxlow 1051].



New on the stand of J. GLIKSTEN & SON LTD. [G.144] is: a structural panel, known as "Glinex," for wall linings, self-supporting partitions, ceilings, sound and heat insulation, and flush doors. A product of the Belgian De Witte organisation, it is manufactured in a wide range of thicknesses, sizes and densities.

Also on show: flush doors, "Hernite" hardboard and insulation board and "B.P." bitumen-bonded board.

Address: Carpenters Rd., Stratford, London, E.15 [Tel.: AMH 4444].

Exhibited on the stand of ASSOCIATED BUILDING CONSTRUCTION DEVELOPMENTS (RAYNES PARK) LTD. [N.275] is: a model of a block of the firm's "Alborough" garages erected on the "step-site" system. This method of erecting the garages on a sloping site is claimed to save at least 10 per cent. in erection costs.

The firm: formed 8 years ago for the purpose of manufacturing precast concrete garages, other buildings and coal-bunkers. The first 3 years were devoted to organization, planning and research. The "Alborough" precast concrete garage was brought on to the market 5 years ago; 2,000 of these garages are now erected annually within 50 miles radius of London. The same units from which the "Alborough" garage is constructed can also be used for other types of building. The cost of the garages, erected on a concrete raft and complete with aluminium gutters, etc., varies between about 10s. and 15s. per sq. ft., according to size.

Address: 34/35, Alpha Road, Surbiton, Surrey. [Tel.: Elmbridge 6591].

New on the stand of H. NEWSUM SONS & CO. LTD. [GHG.446] is: the "Trofdek" stressed skin plywood structural unit, designed for floors, walls and roofs, and now in quantity production at the company's Lincoln works. These units are available for roof spans up to 24 ft. and floor spans up to 20 ft. On show is a 34-ft. long "Trofdek" unit with a total area of 182 sq. ft. It weighs only 2½ lb./sq. ft. and is described as the longest and lightest structural unit yet offered to the building industry.

Address: Carholme Road, Lincoln [Tel.: Lincoln 812].

Exhibited on the stand of ORLIT LTD. [EHG.600] are: various forms of "Orlit" prefabricated reinforced concrete construction, together with a ½-in. scale model of a factory in which several of these techniques have been used. Drawings mounted on display panels show details of the various forms of "Orlit" construction used for the factory.

For technical information ask for: D. Munro or R. R. McKenzie.

Address: Colnbrook by-pass, Colnbrook, Bucks.

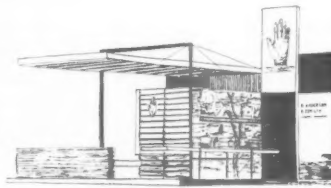
New on the stand of SOMMERFELDS, LTD. [E.113] are: their high tensile steel lattice beams. These are already in use in a number of buildings, but they are on show at Olympia for the first time. The use of these beams is claimed to save 50 per cent. of the steel required for conventional R.S.J. construction. Standard beams, for a variety of loadings, are available in lengths up to 40 ft. The same type of beam can be *prestressed* so as to carry the same loads up to 60 ft.

Also new: "Slangl"—the firm's slotted angle system. The angles are of 3½ in. by 1½ in. by 14 gauge mild steel, rustproofed by a phosphating process and stove enamelled green. They can be used (simply by cutting to the right length and bolting together) for racking, etc., and for the framework of light portable buildings.

Also on show: the firm's pressed steel door and window sub-frames; "Flexboard" portable "road," for use by builders where transport must cross boggy or uneven ground.

Address: Wellington, Shropshire. London office, 167, Victoria Street, London, S.W.1 [Tel.: VIC 1000 and 8843].

New on the stand of D. ANDERSON & SON, LTD. [F.129] is: a complete roof of "Anderson Aluminium 'E' Decking," which consists of strong and lightweight



aluminium deck units, insulation and weather-proofing.

Also on show: Metal roof decking, built-up roofing systems, roofing felts and damp-proof courses.

The firm: founded in Belfast, in 1949, for the manufacture of ship sheathing felt. The firm's principal products are now roofing felts, damp-proof courses, under-slatting felts, asphalted-flax felts and paints.

The stand: designed by the Design Research Unit (consultant, Misha Black, architect, John Diamond, B.A.R.C.H., A.R.I.B.A.); mural decoration and typography, Jock Kinneir, M.S.I.A.

Address: Stretford, Manchester. London works and flat roofing dept., Roach Road Works, Old Ford, E.3. [Tel.: AMH 3214]. Branch offices at Belfast, Birmingham, Glasgow, Leeds and Nottingham.

Exhibited on the stand of MAYCRETE LTD. [EHG.630-631] is: a two-bedroom prefabricated house designed for the tropics. Metal sections incorporated in the wall panels form the structural steelwork. Erection is rapid and simple, and the house is completely demountable.

Also on show: a model house and photographs illustrating the "Supalite" system of prefabrication. These houses have a light alloy frame and very high thermal insulation is provided; large numbers have been exported to the Middle East.

Address: Parliament Mansions, Abbey Orchard Street, London, S.W.1 [Tel.: ABB 2459].

New on the stand of JOHNSON'S REINFORCED CONCRETE ENGINEERING CO. LTD. [C.45] is: the firm's welded wirework, now available in smaller sizes for street guards and fencing, together with 9-in. and 12-in. deep "Benfix" lattice joists.

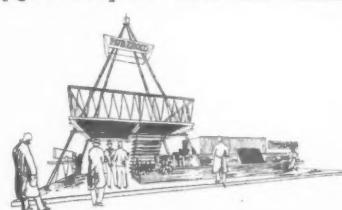
Also on show: samples of reinforcing mesh and photographs of some of the company's recent reinforced concrete work.

The firm: engaged in the wire trade for nearly 200 years; since 1917 it has specialised in reinforced concrete work. The company designs and supplies reinforcement, and carries out reinforced concrete construction to architect's and surveyor's requirements.

For technical information ask for: B. Taylor, W. S. Napier, W. G. Taylor, and J. Payne.

Address: Artillery House, Artillery Row, London, S.W.1 [Tel.: ABB 2648].

Exhibited on the stand of the RUBEROID CO. LTD [Q.308-309] is: steel and aluminium roofing decking.



Also on show: mineral-surfaced roofing and strip slates in a variety of colours; a large range of damp-course and roofing materials, bituminous mastics and fuel resisting expansion jointing.

The stand: designed by Eric Brown, A.R.I.B.A., M.S.I.A. **Address:** Commonwealth House, New Oxford Street, London, W.1. [Tel.: HOL 8797].

Exhibited on the stand of WILLIAM BRIGGS & SONS LTD. [B.23-33] is: "Bitumetal" aluminium roof decking, suitable for short-span roofs of all types.

Also on show: a 16-ft. section of sloping and curved roofing, which has been produced in natural colours to blend with landscapes. The colours are permanent and a tile effect can be provided. Other sections exhibited show "Briggs" roofing applied to concrete and other decking.

Address: East Camperdown Street, Dundee. [Tel.: Dundee 82211]. London office, Vauxhall Grove, S.W.8.



Doors, Gates, Shutters, etc.

New on the stand of LEADERFLUSH LTD. [B.26-27] is: a standard oak-faced door, mass-produced in one size and finish in order to be sold at a low price to private house builders.

Also on show: other flush and panel doors, wood case-mint windows and flooring blocks.

The stand: is partly a reconstruction of a pavement cafe, where visitors and customers may be entertained.

Address: Trowell, Nottingham [Tel.: Ilkeston 623].

Exhibited on the stand of E. HILL ALDAM & CO. LTD. [R.328] are: full-size working models of the company's interior folding partitions, and folding doors for garages and industrial buildings.

Address: Britannic Works, Haslemere Avenue, London, S.W.18 [Tel.: WIM 8080].

Exhibited on the stand of MILNERS SAFE CO. LTD. [S.331] are: two of the company's steel rolling shutters. One is electrically or winch-controlled; the other self-coiling or operated by chain gearing.

Also on show: full-size strong room doors controlled by combination and key locks; a night safe, trap and shute for laundries, garages, etc., designed to safeguard takings returned after hours.

The firm: established in 1874 in Smithdown Road, Liverpool, where Thomas Milner started in business as a manufacturer of "iron coffers and strong boxes" in 1830. More than a million safes have now left the firm's headquarters for the home and export markets.

For technical information ask for: T. Sandercoe.

Address: 58 Holborn Viaduct, London, E.C.1. [Tel.: CEN 0041].

New on the stand of THE BOLTON GATE CO. LTD. [H.184] is: the "Glydover" all-steel overhead garage door and the "Superfold" door. The "Glydover" lifts upward, sliding under the garage roof and out of sight. One model, 8 ft. wide and 7 ft. high, is hand-operated; another, 16 ft. by 7 ft., is electrically operated. It can also be operated magnetically. Installations in the driveway and on the car chassis make it possible for the door to be operated only by the owner's vehicle. The "Superfold" is a shutter door arrangement, faced on both sides with imitation leather cloth in colours to match upholstery and furnishings. It is recommended for partitions in schools, canteens and offices.

Also on show: "Bolton" patent shutter doors, the "B.B." patent multi-leaf door, and a wide range of automatic control devices.

Address: Waterloo St., Bolton, Lancashire.

New on the stand of ESAVIAN LTD. [B.40] is: a heavy-duty sliding door in aluminium for medium-sized openings, suitable for bus garages and industrial use.

Also new: an aluminium framed glazed door suitable for loggias and claimed to be draught- and weather-proof. The standard size fits an opening 9 ft. wide and 7 ft. high.

Also on show: a semi-circular ship's window in teak, together with photographs of Esavian installations, among them large power-operated hangar doors.

The stand: designed by J. W. Leonard, F.S.I.A.

For technical information ask for: H. R. Baker, W. H. Taylor, F. W. Browton or J. O. Milliner.

Address: Esavian Works, Stevenage, Herts. [Tel.: Stevenage 500].

Exhibited on the stand of JOSEPH SANKEY & SONS LTD. [C.51] are: pressed steel door frames, skirting, picture rails and corner beading. The door frames are fitted with a new adjustable strike plate.

The firm: founded in 1854, it also produces steel office furniture and pressings of all kinds.

Address: Hadby Castle Works, Willington, Salop. London office, Ulster Chambers, 168 Regent Street, W.1.

New on the stand of the CLARKE ELLARD ENGINEERING CO. LTD. [GHG.498] is: a partition designed to fold and slide in two or more directions so that an L-shaped room can be divided into three separate areas.

Also on show: domestic sliding doors; sliding-folding partitions; sliding garage doors on a curved track.

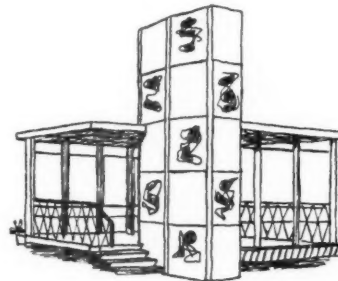
For technical information ask for: M. G. Pellard.

The firm: also manufactures mechanical-handling equipment; cranes; conveyors; electric and hand hoists; roller shutters.

Address: Works Road, Letchworth, Herts. [Tel.: Letchworth 613/4.]

Windows, Patent Glazing, Window Fittings, Blinds, etc.

New on the stand of JOHN WILLIAMS & SONS (CARDIFF) LTD. [K.226] is: a new type of window for school or industrial use.



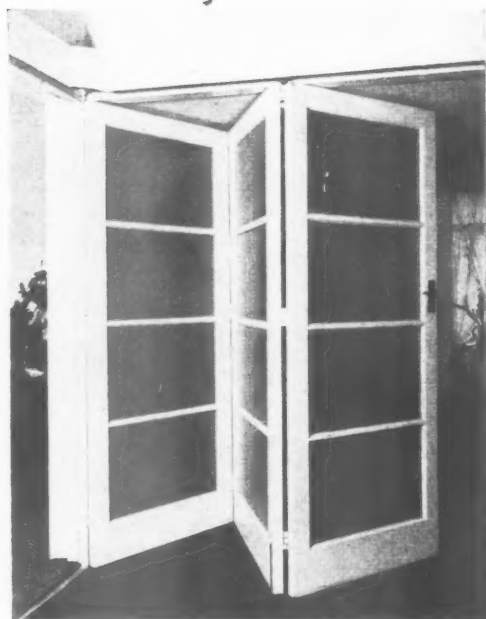
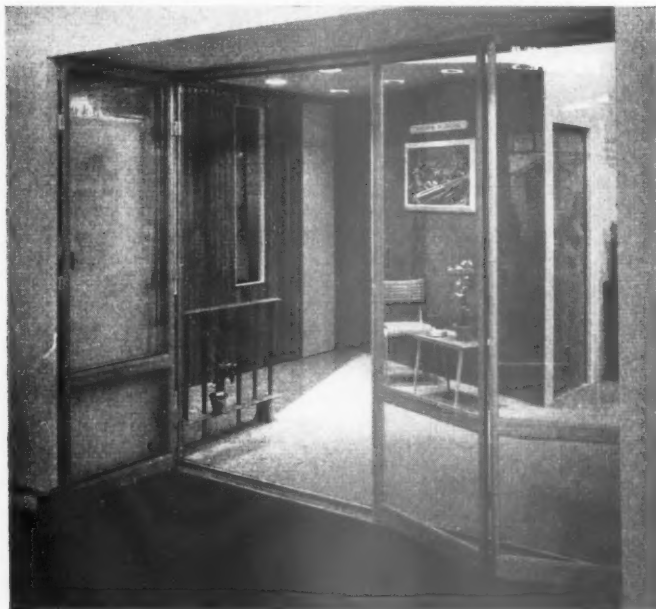
The firm: founded in 1844, it has been making metal windows since 1889. It also produces "Lita" unit steel partitions, and constructional steel-work, and carries out hot-dip galvanizing.

For technical information ask for: A. Ainsworth, J. F. Beale, or P. G. Lightfoot.

Address: East Moors Road, Cardiff. London office, Bank Chambers, Finsbury Park, N.4.

New on the stand of J. AVERY & CO. LTD. [GHG.414] is: an electrically-controlled blind, complete with a neat and effective motor unit, incorporated within the roller, fitted with limit stops and operated by remote control.

Also on show: flexible aluminium Venetian blinds, in various colours, for various types of window; pleated blinds, which raise from the bottom or lower from the top; folding doors, covered in hide cloth; dark blinds, for scientific purposes; various types of domestic and



DOORS—Left, aluminium-framed, sliding-folding loggia doors, for a standard size opening—9 ft. by 7 ft. (Esavian Ltd. Stand No. B.40). Right, a partition that can slide and fold in two or more directions. (Clark Ellard Engineering Co. Ltd. Stand No. GHG.498.)

industrial sunblinds; the "Panther" track—a silent cubicle rail for hospital use; electric units for large blinds and for shutters; steel furniture; garden furniture.

The firm: founded 1834 (i.e., during the reign of William IV), by Joseph Avery, a Cornishman from Tintagel. One of the present directors is the grandson of the founder. The firm grew rapidly during the Victorian and Edwardian eras. Between the wars the company specialized in commercial, hospital and school work, and it is now doing a considerable export trade.

Address: Head Office, 81, Great Portland Street, London, W.1. [Tel.: MUS 9237.] Branch offices in Bournemouth, Manchester, Cheshire and Worcestershire. Scottish agents, Marshall & Porter, 147, Blythswood Street, Glasgow, C.2.

New on the stand of WILLIAMS & WILLIAMS LTD. [D.83] is the "Wallspan" system of curtain walling, which is based on a series of hollow extruded mullion and transom members. It provides a flexible method of prefabrication which can be glazed or used with one of the many light-weight infilling slabs. Mullions are made in three sizes to cover vertical spans up to 20 ft. The system is erected independently of the main columns



of the building and is supported by the floors.

Also on show: sash, casement and folding windows, in aluminium and steel; pressed metal doors; "Aluminex" patent glazing; "Roften" toilet cubicles.

The stand: designed by Yorke, Rosenberg and Mardall, F./F./A.R.I.B.A.

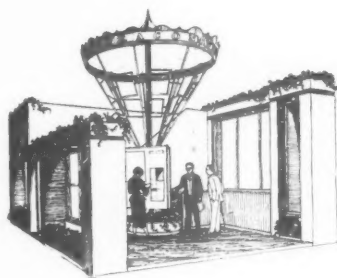
Address: Head Office, Reliance Works, Chester. Southern Division, Victoria House, Southampton Row, London, W.C.1. Northern Division, Yorkshire Penny Bank Chambers, Prince's Street, Harrogate. Numerous area offices.

New on the stand of VENETIAN VOGUE LTD. [Q.317] is the "Adjusta" pelmet, an adjustable wooden pelmet for use with the firm's "Sunway" Venetian blinds, which are produced in a variety of colours.

The firm: established in 1951—one of the Bells Asbestos and Engineering Group.

Address: 408 Montrose Avenue, Slough. London office, 157 Queen Victoria St., E.C.4.

Exhibited on the stand of JOHN THOMPSON (BEACON WINDOWS) LTD. [P.298] are: metal windows and door frames.



The firm: operates as one of the John Thompson group, founded over 100 years ago. In addition to windows and door frames it manufactures general pressings for the building industry.

For technical information ask for: H. L. Perry, A. T. G. Astwick, D. M. Moir or G. Smart.

The stand: designed by Brian Taylor, A.R.I.B.A.

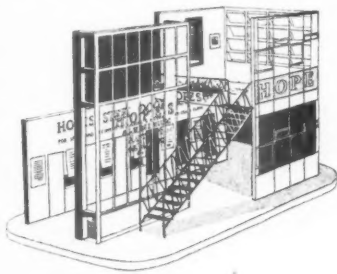
Address: Wolverhampton. London office, Imperial House, Kingsway, W.C.1.

New on the stand of CHUBB & SON'S LOCK AND SAFE CO. LTD. [A.8] is the firm's window lock for metal windows. This is easily fitted to the frame of a metal window, door or fanlight, and costs only 8s. 6d.

Also on show: window locks for wood casement windows and for sliding sash windows; an illuminated model demonstrating a typical "Chubb" master-key system as installed in a factory; a selection of wall safes, cash and deed boxes.

Address: 40-42, Oxford Street, London, W.1. [Tel.: MUS 5822-6].

On show on the stand of **HENRY HOPE & SONS LTD.** [D.90-91] is: vertical patent glazing, built with the company's new aluminium glazing bar and clear plate glass.



Also on show: a continuous window facade constructed in extruded aluminium sections; a combined window and jalousie for tropical and sub-tropical climates; a "Z" type picture window; and a display of steel door frames.

Address: Smethwick, Birmingham [Tel.:

Smethwick 0891]. London office, 17 Berners Street, W.1.

Exhibited on the stand of **W. H. HEYWOOD & CO. LTD.** [GHG.484-486] are: systems of patent glazing, with lead-clothed steel, and aluminium alloy glazing bars, for vertical, roof and double glazing, including opening lights and roof lights.

The firm: founded in 1890, it transferred to its present Bayhall Works in Huddersfield in 1895, and has been engaged in manufacturing patent roof glazing for more than 60 years. Recently the company has also specialized in the insulation of buildings.

For technical information ask for: R. E. Belchier, C. M. Jones, H. G. Stevens, or G. Noble.

Address: Bayhall Works, Huddersfield, Yorks [Tel.: Huddersfield 6954]. London office, Hope House, Great Peter Street, S.W.1.

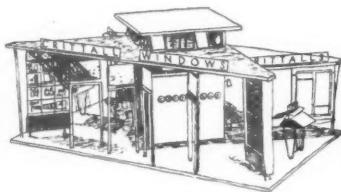
Exhibited on the stand of **THE UNIQUE BALANCE CO. LTD.** [GHG.474] is: the use of the "Unique" spiral balance for various types of double-hung windows, counter shutters and service hatches, laboratory fume cupboards, sliding blackboards, shop windows, etc.

Address: West Hendford, Yeovil, Somerset.

Exhibited on the stand of **DANAURA LTD.** [NHG.547 and 549] is: a light metal Venetian blind with a number of new features—a metal head rail, only 1½ in. deep, totally encloses the mechanism when the blind is fitted; the tilt of the slats is adjusted by a plastic-covered rod, instead of the usual cords; the ends of the metal bottom rail are enclosed by plastic caps which protect the paintwork from damage.

Address: 12 Whitehall, London, S.W.1.

New on the stand of **THE CRITTALL MANUFACTURING COMPANY LTD.** [E.98] is: a new Crittall standard metal window with a pressed steel outer frame



which serves the same purpose as a sub-frame or wood surround.

Also new: the firm's "Solomatic" Venetian blinds, made of flexible curved aluminium slats, with a single control to raise and lower the blind

and to tilt the slats; the latest version of the "Crittall-Luxfer" aluminium double-hung sash.

Also on show: examples of the 2-ft. range of Crittall standard windows; a new catalogue illustrating casements for special purposes; pressed steel door frames, sills, etc.; a number of Crittall products primarily for use overseas, including standard veranda screens, aluminium and

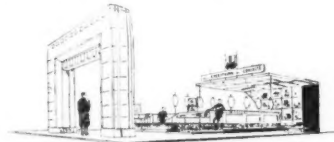
pressed steel sun-breakers, and standard doors fitted with aluminium fly screens.

Address: Braintree. London office, 210, High Holborn, W.C.1 [Tel.: HOL 6612/6619]; 15 other branches in England, Scotland, Northern Ireland and the Channel Islands.

Natural Stone, Reconstructed Stone, Precast Concrete, etc.

Exhibited on the stand of **JOHN ELLIS & SONS LTD.** [O.285] is: a replica of a doorway recently completed in reconstructed Portland stone.

Also on show: exposed aggregate finishes, granite concrete paving slabs, kerbs, precast floor beams, and the full range of the company's other concrete products.



The firm: established about 1830, at first to deal with the transport and sale of coal.

Later, the firm was engaged in the burning and sale of lime. It supplied most of the lime used for the building of the London underground. Cement production began about 1880, and the making of precast concrete pipes in 1905.

For technical information ask for: B. C. Sharman, C. J. Tatham, C. H. English, R. H. Francis, H. Bland, B. Farrands or F. Noble.

The stand: designed by M. T. Mitchell, A.R.I.B.A.

Address: 21, New Walk, Leicester [Tel.: Leicester 56682]. London office, 29 Dorset Square, N.W.1 [Tel.: AMB 1141].

New on the stand of **FINLOCK GUTTERS LTD.** [T.354] is: the company's mastic lining, for brushing on gutter troughs; the company claims the lining may be used under any weather conditions, it can be put in damp gutters, and is not affected by rain immediately after application.

Also on show: the "Finlock" guttering system, including a range of all types of precast concrete gutter blocks and fittings.

For technical information ask for: L. Gibb or S. Clift.

Address: 25 Frant Road, Tunbridge Wells, Kent [Tel.: Tunbridge Wells 3396].

Exhibited on the stand of **THERMALITE LTD.** [L.240] are: "Thermalite" lightweight structural insulating blocks, made in the nominal size of 18 in. by 9 in. and in thicknesses ranging from 3 in. to 9 in.



The exhibit consists of displays to show the relative heat loss through different types of construction, the compressive strength of

"Thermalite" and the ease with which it may be cut or chased; also various methods of internal and external treatment.

The firm: established in 1950 to produce the material which bears its name and which was originally developed in the research laboratories of John Laing & Son.

The stand: designed by Russell, Cole & Bender, A/A./A.R.I.B.A. For technical information ask for: C. R. Morley, F. Sarson or P. A. Kreamer.

Address: Shepherds House Lane, Earley, Reading, Berks.

Exhibited on the stand of THE COSTAIN CONCRETE CO., LTD. [Q.314/5] are: various prestressed concrete components; precast concrete lintols, street lighting standard and street marker posts; Costain cavity building blocks; prestressed concrete railway sleepers.

The stand: designed by Ronald Dickens, M.B.E., M.S.I.A., in collaboration with R. B. Hornby, the main feature is a prestressed concrete staircase providing access to a gallery where the various prestressed concrete exhibits may be found.

To the front of the stand is a wall in which is embedded a display of "Stahlton" reinforced clay flooring units. At the opposite end of the stand is a 12-ft. high wall constructed of Costain cavity building blocks, with various types of finish. The floor of the stand is paved with Cotswold reconstructed stone.

Address: 1, Wandsworth Road, London, S.W.8. [REL 5611].

Exhibited on the stand of CONCRETE LTD. [E.H.G. 623] is: a $\frac{1}{4}$ full size framed structure in prestressed concrete. The first floor is of ordinary reinforced concrete "Bison" beams, spanning 12 ft.; the roof of prestressed "Bison" beams, spanning 30 ft. One bay is grouted and complete; the other partly under construction.

Also on show: a fatigue test in which two prestressed concrete units, each $1\frac{1}{2}$ in. square and 4 ft. long, are loaded and unloaded by machine eight times per minute. One is stressed to the design load; the other to twice the design load. A counter shows the number of times the load has been applied.

Address: 16 Northumberland Avenue, London, W.C.2 [Tel.: WHI 5504].

New on the stand of TRUE FLUE LTD. [A.11] is: the "True Flue" precast concrete external flue, which the firm claims can be erected at "a fraction of the cost of a brick stack." Also on show for the first time is an economical form of domestic flue composed of lightweight concrete blocks, of high thermal insulation value, into which have been cast circular refractory concrete flue linings.

Also on show: a full range of the patented "True Flue Triple Unit," which incorporates a lintol and "gather-over," together with a restricted throat when required.

Address: Convector House, Acacia Road, London, N.W.8 [Tel.: PRI 7161-2]. Works at Rainham and Thurrock, Essex.

Exhibited on the stand of THE BATH AND PORTLAND STONE FIRMS LTD. [C. 42] are: Bath, Portland, Douling and Beer stones.

The stand: incorporates all the stones mentioned above, together with a central feature of sculpture in Portland stone on a Portland roach plinth. Particular attention has been given to suggested standardization of details for copings, cills, jambs and lintols.

Address: Bath, Somerset [Tel.: Bath 3248].

Bricks and other Burnt Clay Products, Ceramics, etc.

Exhibited on the stand of THE REDHILL TILE CO. LTD. [E.99] is: the "Redland 50" Roman-pattern interlocking tile, first introduced in 1951. This tile is produced in four different colours. Several other types of tile are also shown.

The firm: the selling organisation of REDLAND TILES LTD. and six other associated companies.

For technical information ask for: D. A. Buckwell or A. Watson.

Address: Moorhouse, Westerham, Kent.

New on the stand of EASTWOODS LTD. [G.154] is: the "Gorvebury" Double Pan interlocking tile, a newly-designed lightweight tile for laying at a low pitch.



Also on show: displays of Fletton bricks, stock bricks, cement, concrete manholes, channels and kerbs, and road gullies. Samples of sanitary ware, wallboard, tiled fireplaces, continuous

burning fires, asbestos cement goods, concrete and clay tiles, and paint and ironmongery represent the company's distributive activities.

The firm: founded 138 years ago, it has, since then, developed into one of the building industry's principal suppliers.

The stand: designed by John Stillman and J. Eastwick-Field, A./A.R.I.B.A.

Address: Eastwood House, City Road, London, E.C.1. [Tel.: CLE. 4333].

Exhibited on the stand of the SUSSEX & DORKING UNITED BRICK COMPANIES LTD. [F.135-136] are: representative examples of the firm's wide ranges of bricks and roofing tiles.

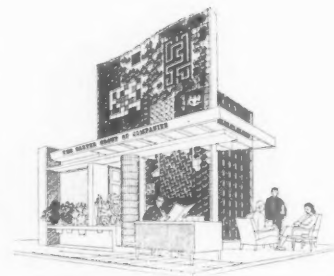
The firm: operates 12 works in Surrey, Sussex, Kent and Hampshire, manufacturing hand- and machine-made facing bricks, foundation and engineering bricks (class A and B to B.S.S. 1301 and B.S. C of P 111 (1948), conforming to the LCC byelaws for compressive strength and water absorption.

The stand: designed by Lanchester & Lodge, F./F.R.I.B.A., is a framed structure of reinforced brickwork.

Address: 14 Market Square, Horsham, Sussex [Tel.: Horsham 1460].

New on the stand of THE CARTER GROUP OF COMPANIES [D.85] is: a range of hand-printed tiles, with "small-scale" designs suitable for domestic use.

Also on show: plain and decorated wall tiles; floor tiles; marble, terrazzo and magnesite flooring; ceramic grilles, produced in a variety of standard designs and to architects' own designs.



The stand: designed by A. B. Read, R.D.I., A.R.C.A., director of design to the Carter Group of Companies; consulting architect, Christopher Read, A.R.I.B.A. One side

of the large central screen wall was designed by Peggy Angus as an example of the decorative use of standard hand-printed tiles. The other side of this screen was designed by Gordon Cullen—a lively abstract pattern of

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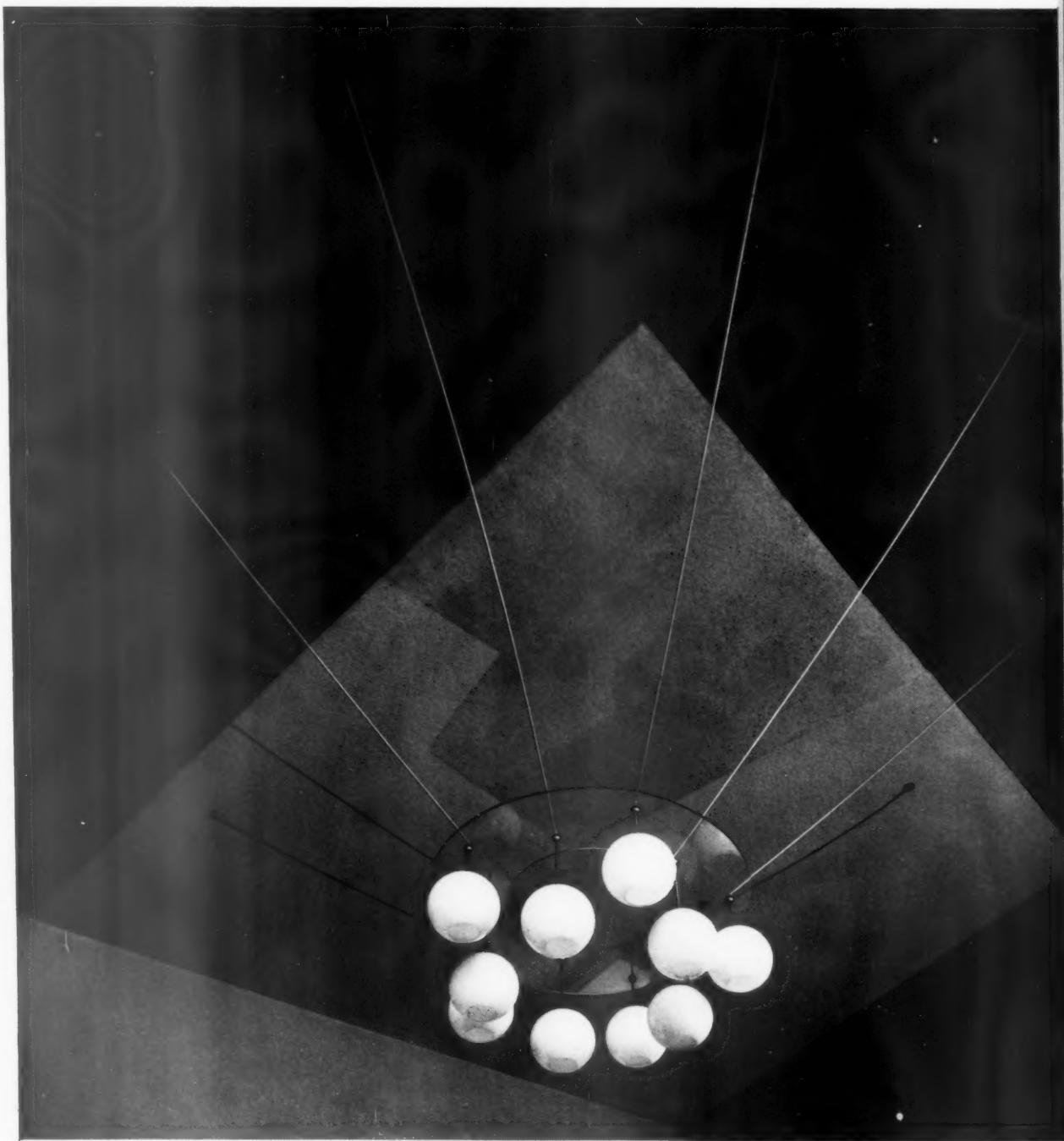
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WORKING DETAIL

LIGHTING : 6

LIGHTING FITTING: ADMINISTRATION BLOCK, SCHOOL AT HARROW

John and Elizabeth Eastwick Field, architects: in collaboration with C. G. Stillman, architect to the Middlesex County Council



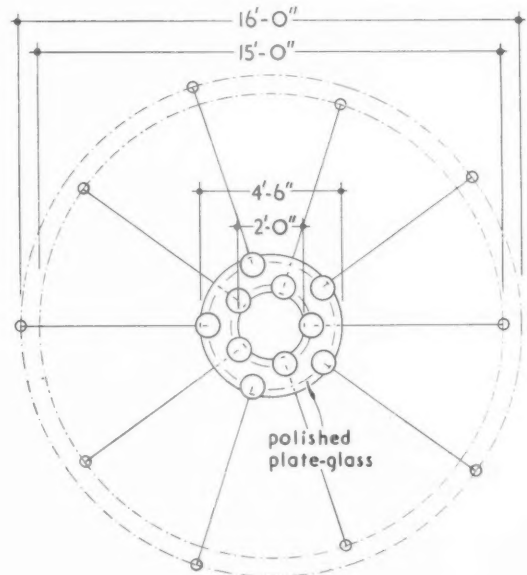
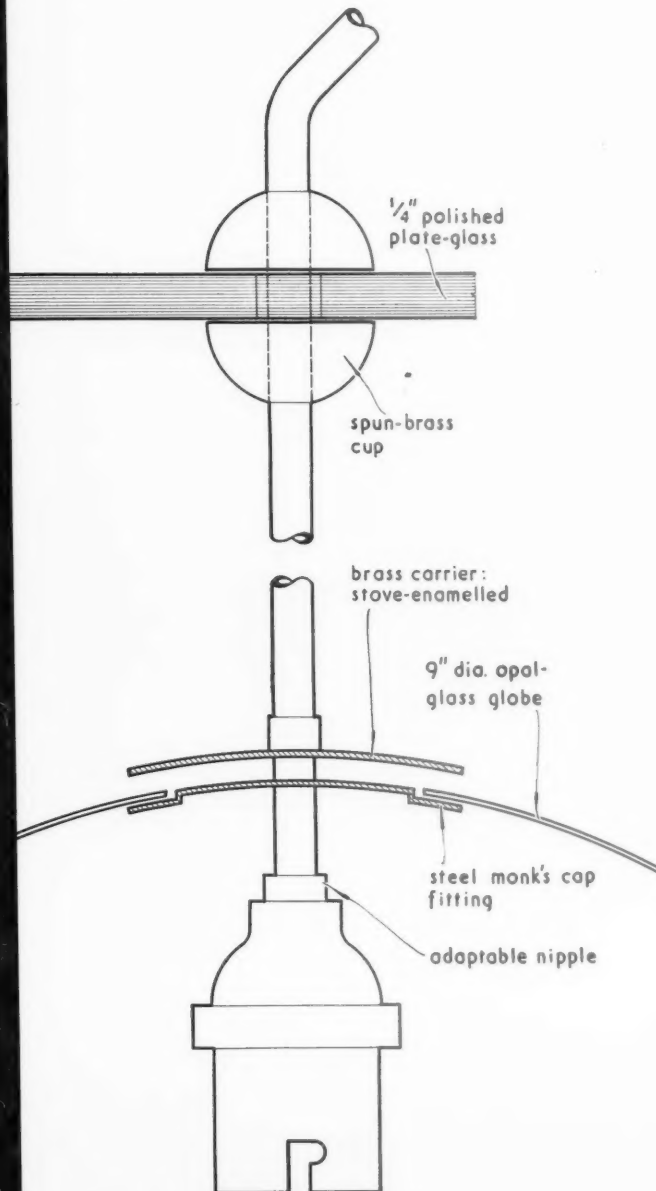
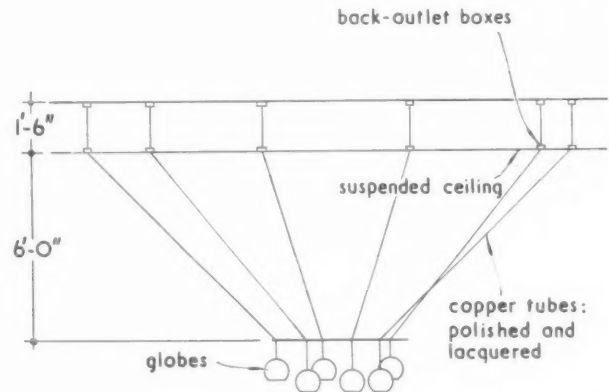
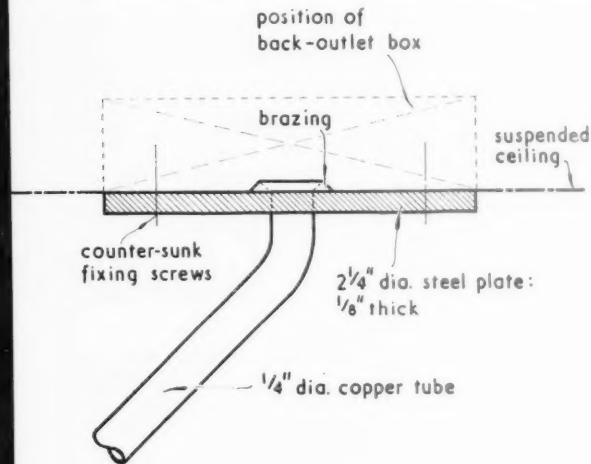
The copper tubes, which are twice mitred and brazed, run from the ceiling to the globes in one piece. At the point where each passes through the glass plate a threaded nipple is soldered to it. The spun brass cups which hold the glass in place are screwed to this nipple, thus allowing slight inaccuracies to be taken up. The globes are of standard pattern, the openings being cut in their base by sand blasting.

WORKING DETAIL

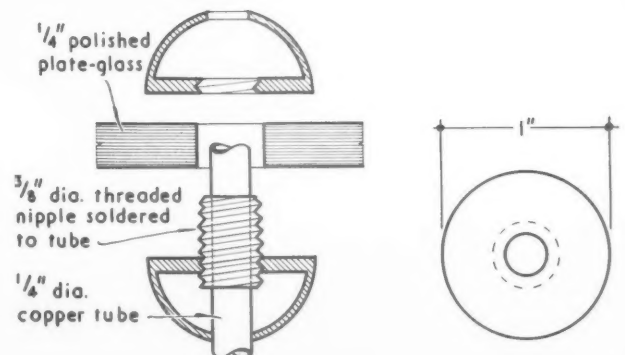
LIGHTING : 6

LIGHTING FITTING: ADMINISTRATION BLOCK, SCHOOL AT HARROW

John and Elizabeth Eastwick Field, architects: in collaboration with C. G. Stillman, architect to the Middlesex County Council



KEY PLAN AND ELEVATION.
scale $\frac{3}{16}'' = 1'-0''$



F. S. DETAIL OF FITTING.

F. S. PLAN AND SECTION OF SPUN-BRASS CUP.

WORKING DETAIL

WINDOWS : 17

WINDOW WALL: SERVICE STATION AT PICKERING, YORKSHIRE

Boissevain and Osmond, architects



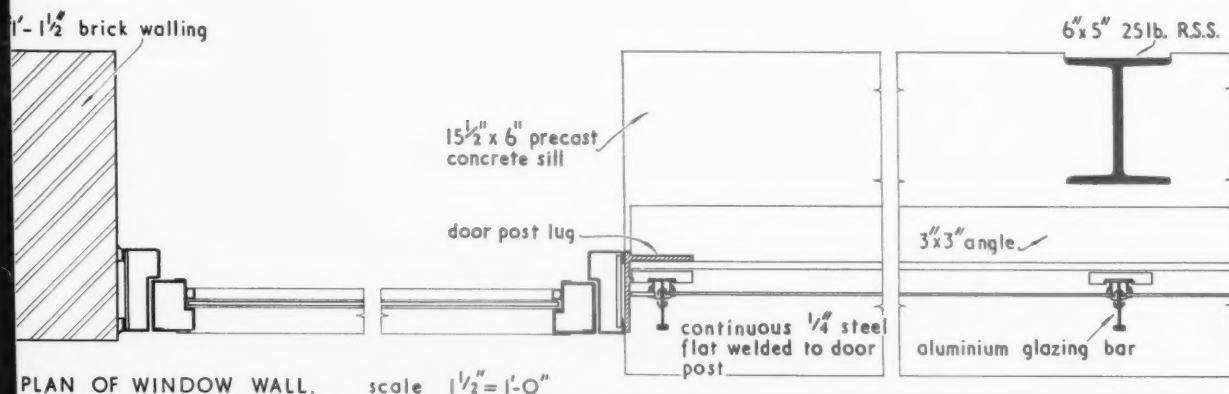
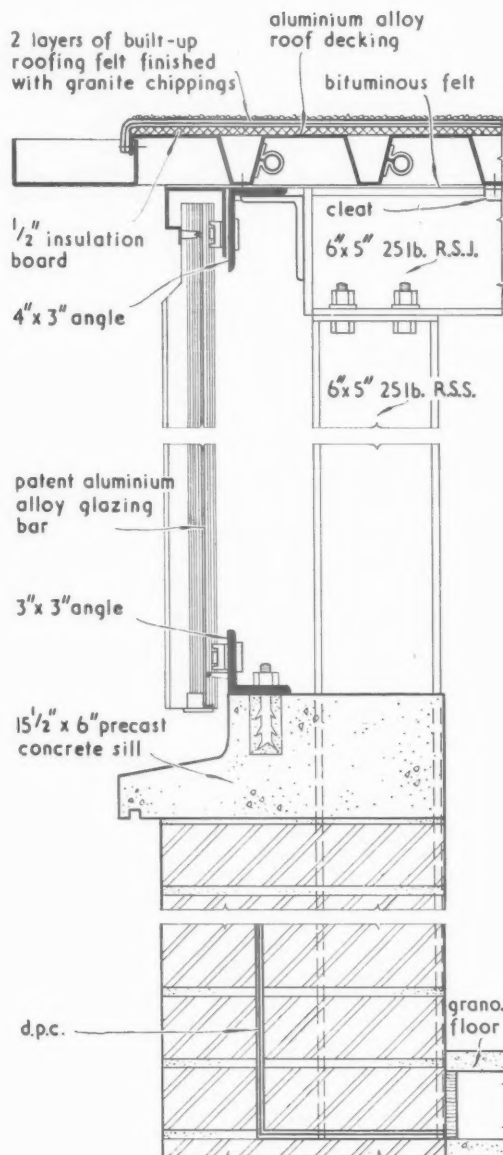
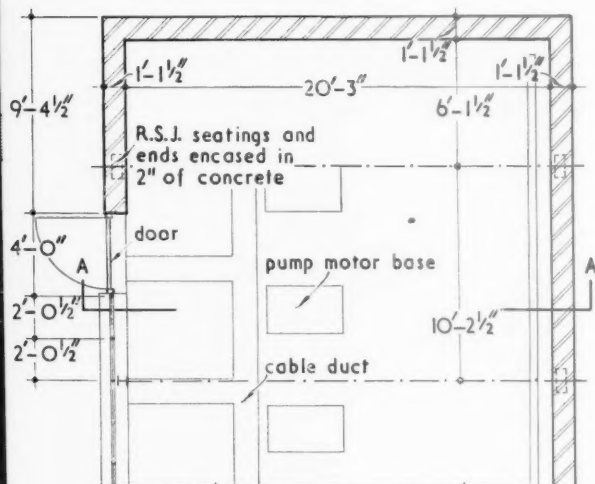
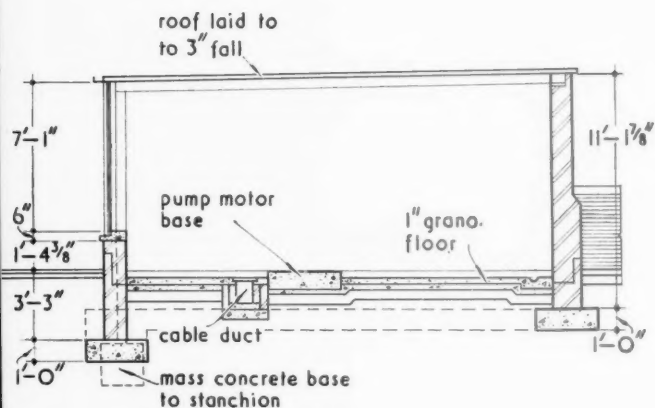
Electrical conduits are secured to the corrugations of the standard aluminium decking. The decking is shielded from direct contact with the steel by bituminous felt, the cleats which secure it to the top flange of the beam being sherardized.

WORKING DETAIL

WINDOW WALL: SERVICE STATION AT PICKERING, YORKSHIRE

Boissevain and Osmond, architects

WINDOWS: 17



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tiling, including hand printing, tubeline and hand painting. The decorative possibilities of glazed faience modelled in low relief can be seen in a panel designed by J. R. Ledger, A.R.C.A.

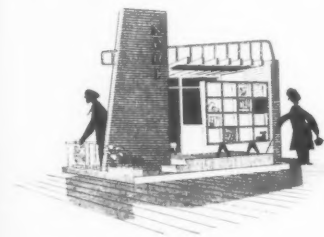
Address : Poole, Dorset.

Exhibited on the stand of **JOHN STEVENTON & SONS LTD. [K.222-223]** are: "Royal Venton" tile fireplaces and sanitary ware. The fireplaces can be adapted to provide inlet and outlet grilles for convector fires, if required.

Also on show: a new range of floor tiles manufactured by **STEVENTON'S TILERIES LTD.**

Address: Royal Pottery, Burslem, Stoke-on-Trent, Staffs. Also at Middlewich, Cheshire.

Exhibited on the stand of the **ACCRINGTON BRICK & TILE CO., LTD. [G.158]** are: golden brown rustics, russet rustics, multi rustics, red sand-faced, multi-smooth-faced, and pressed red bricks.



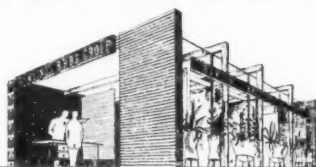
The stand: designed by Willink & Dod (in charge, K. G. Edwards, A.R.I.B.A.), it is designed on the theory that the best way to exhibit bricks is to show them in relatively large areas, rather than in small panels which

tend to give a false impression. The dominant feature is a large slab-like tower with a batter on the outside edge, built up of two 9-in. brick skins. Two other brick walls,

one curved on plan, help to support the timber framing for the roof, which covers about half the stand.

Address : Accrington, Lancs.

Exhibited on the stand of **RAWLINGS BROS. LTD. [C. 58]** are: schemes of re-building, adaptation and repair of



premises carried out by the firm, which has its own design department, as well as its contracting side.

Also on show: sand-faced facing bricks and briquettes manu-

factured by an associated company, **THE BERKHAMPTSTEAD BRICK CO. LTD.**

The stand: designed by R. H. Gordon, a 2nd year student of the Hammersmith School of Building, who won a competition for the design of the stand held at the school and judged by architect Wells Coates.

Address : 85 Gloucester Road, London, S.W.7. [Tel.: FRO 8161].

Exhibited on the stand of **COLTHURST, SYMONS & CO. LTD. [D.84]** are: hand-made, single-lap roofing tiles in a variety of patterns and colours.

The firm: established at Bridgwater, Somerset for 120 years. Although their main output is of hand-made roofing tiles, Colthurst, Symons also manufacture land drain pipes, bricks and other clay products.

The stand: designed by F. H. J. Gabbut (registered architect).

For technical information ask for: E. Norman Venn, E. W. Venn or D. Goodey.

Address : Bridgwater, Somerset. London office, 6, Queen Anne's Gate, S.W.1.

The "Allday" sashless "picture window," consisting of $\frac{1}{4}$ -in. plate or $\frac{3}{8}$ -in. drawn glass, held in a double, hard-alloy channel at the top, and sliding on stainless steel ball-bearings in another double channel at the bottom. The channels are set in a head and cill of selected kiln-dried soft wood. The window, manufactured by P. G. Allday & Co. Ltd., can be seen on the Stand of Sharp Bros. & Knight, Ltd. (P.293), who also exhibit their self-balancing sash windows, storm-proof casements and kitchen cabinets.





SHEET MATERIALS—Above left, the fire protection of structural steelwork with pre-formed cladding panels manufactured by Meta Mica Ltd., and on show on their Stand (No. A.10). Above right, fixing a permanent gable of "Kynalok" sidings under a canopy of "Kynalok," roofing. This cladding system, manufactured by I.C.I. (Stand No. D.86-87), comprises panels of corrugated light alloy sheathing, with an insulating core, and patent cover strips.

Exhibited on the stand of PACKARD & ORD LTD. [GHG.457] is: the firm's "Marlborough" range of hand-painted tiles.

Also on show: a selection from the firm's other ranges of tiles, exhibited in the form of surrounds to fireplaces, baths, etc.

For technical information ask for: H. A. B. Robb or A. Robb.

The firm: has been manufacturing fireplace surrounds since 1946. It is exhibiting at the Building Exhibition for the first time.

Address: Barnfield, Marlborough, Wilts.

Exhibited on the stand of THE MARLEY TILE CO. LTD. [H.181 and J.203] is: the firm's now well-known model oast house, illustrating features of the tiler's craft. On show is a full range of Marley roof tiles, "Marlith" wood-wool slabs used for a suspended ceiling, and Marley floor tiles.

Technical information is available concerning: the firm's reinforced-concrete buildings and "Nautilus" gas fire flue blocks.

Address: London Road, Riverhead, Sevenoaks, Kent [Tel.: Sevenoaks 2251].

Exhibited on the stand of LANGLEY LONDON LTD. [F.132] are: the firm's clay roofing tiles, including coloured and glazed varieties; floor tiles; sill tiles; quarries and ceramic floor tiles.

Also on show: "Langboro" waterproof building paper; salt-glazed stoneware pipes; decorative ceramics.

Address: 72 Borough High Street, London, S.E.1 [Tel.: HOP 4444].

Timber, Plywood, Preservative Treatments, Joinery, etc.

Exhibited on the stand of BRYCE, WHITE & CO. LTD. [E. 93] are: doors, mouldings and wallboards, including many brands of hardboard and insulation board, as well as

"Stramit" and "Weyroc." The doors and joinery displayed were made in the firm's own works.

The stand: designed and constructed by the firm's staff, it is composed entirely of materials "from stock."

Address: Deseronto Wharf, Langley, Slough, Bucks. London Branch, 16 South Wharf Road, W.2 [Tel.: PAD 7131 and 6983]. Other branches at Southampton and Bristol.

Exhibited on the stand of RENTOKIL LTD. [GHG.400] are: film strips on wood worm and dry rot, demonstrating the various factors causing the decay and breakdown of wood. The firm specializes in the eradication of insect pests and wood-destroying fungi.

Address: Fetcham, Leatherhead. London office, The Woodworm & Dry Rot Centre, 23 Bedford Square, London, W.C.1.

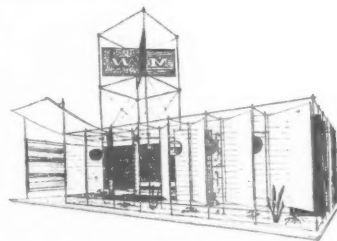
Exhibited on the stand of THE MONTAGUE L. MEYER GROUP OF COMPANIES [Q.306] are: display panels illustrating the Group's timber production, importing and distribution activities. British Borneo, Sarawak and Malayan Timbers can be seen, together with varieties from the Andaman Islands.

Address: 14 Buckingham Street, London, W.C.2 [Tel.: TRA 7766].

Exhibited on the stand of WILLIAM MALLINSON & SONS LTD [E.100] is: an extensive display of plywood, including British-made resin-bonded plywood, metal-

covered plywood, curved plywood, etc.

Also on show: a general display of Empire grown hardwoods; a large variety of veneers; blockboards. There are special displays of veneered floorings, veneering on metal and veneered wall panelling.



The stand: designed by Clive Latimer, M.S.I.A., who was also responsible for the display.

Address: 130/150, Hackney Road, London, E.2. [Tel.: Shoreditch 7654].

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Exhibited on the stand of **W. H. COLT (LONDON) LTD. [K.232]** are: the firm's Canadian cedarwood roofing shingles—part of the stand is vertically shingled, and the



firm's "Colterro" clay lathing—part of the stand has a suspended ceiling of this lathing, only part of which is plastered, so that the construction is visible. Both these products are now available immediately, from stock.

Also on show: "Colt" chimney cowl—a list of distributors who stock them is available on the stand.

Address: Surbiton, Surrey [Tel.: Elmbridge 6511]. London office, 1-3, Lower Regent Street, S.W.1. Area offices at Birmingham, Bradford, Kilmarnock, Manchester, Newcastle, Sheffield, Newport (Mon.).

Showing on the stand of **HICKSON'S TIMBER IMPREGNATION CO. (G.B.) LTD. [G.156]** is: the company's latest technical film "Timber for Tomorrow." In colour, running 20 minutes, the film is claimed to be the best pictorial review of building timber preservation problems to date. Heat insulation, resilience, and surface warmth in ground floors are problems discussed in detail.

The stand: designed by R. T. Smithson, L.S.I.A., is built of timber and hardboard, pressure preserved with "Pyrolith," a flame-proofing agent.

Address: Castleford, Yorkshire [Tel.: Castleford 2607] London office, 36 Victoria Street, London, S.W.1 [Tel.: ABB 1477].

Exhibited on the stand of **WOODWORM & DRY ROT CONTROL LTD. [N.H.G.526]** are: samples of infested timber, specimens of the various wood beetle, and models showing conditions which cause attacks.

The firm: specialises in the treatment of timber against all wood-boring insects and wood-rotting fungi. Its service includes a 5-year guarantee on treatment carried out by its own operatives.

Address: 23 Bedford Square, London, W.C.1 [Tel.: LAN 5455].

Exhibited on the stand of **CUPRINOL LTD. [S.335]** is: a length of timber completely ravaged by the wood-boring beetle. A team of experts are present to explain the versatility of the various grades of Cuprinol wood preservatives and their ease of application by spraying, brushing and dipping. A series of mounted photographs show the appalling effects of wet and dry rot and wood-boring beetles.

Address: 86 Carpenters Road, Stratford, London, E.15. [Tel.: MAR 4483].

Cement, Plaster, etc.

New on the stand of **CALLOW & KEPPICH LTD. [O.281]** is: "Stonite" Brushcoat—an external rendering, which can be "brushed on" to brickwork. A minimum of two coats should be used, each coat being allowed to set 24 hours before the next coat is applied. The material is available in a variety of colours.

Also new: "Stonite" Undercoat Binders. This material when mixed with 3 parts sand, is intended as an undercoat for coloured external rendering. It contains a water-repellent and is claimed to provide more even adhesion

than ordinary rendering, thereby reducing the risk of cracking and crazing.

Also on show: various textured and coloured finishes possible with "Stonite" external renderings.

For technical information ask for: K. Keppich, N. Sharpe or W. Bailey.

Address: Shipham Gorge, Cheddar, Somerset. London agents, *New Floor Installations Ltd.*, 151, Battersea Park Road, S.W.8. [Tel.: MAC 5666].

New on the stand of **THE CEMENT MARKETING COMPANY LTD. [F.130]** is: the use of "Leca" lightweight expanded clay aggregate for floor and wall screeds.

Also on show: cast stone made with "Snowcrete"; terrazzo made with "Colorcrete"; surfaces painted with "Snowcem"; examples of "Cullamix" Tyrolean finish in a variety of colours; stippled and other textured finishes produced with "Cullamix" and "Cemprover No. 2."

The firm: formed in 1920, it is the joint selling organization of **The Associated Portland Cement Manufacturers Ltd.** (formed in 1900) and **The British Portland Cement Manufacturers Ltd.** (formed in 1912). The "Blue Circle Group" is claimed to be the largest cement making and distributing organization in the world.

The stand: designed by Kenneth Bayes, F.R.I.B.A., M.S.I.A., and John Diamond, B.A.R.C.H., A.R.I.B.A., both of the Design Research Unit, it is constructed mainly of precast concrete units, some prestressed, and "Leca" blocks.

Address: Portland House, Tothill Street, London, S.W.1. [Tel.: ABB 3456].

Exhibited on the stand of **KERNER-GREENWOOD & CO. LTD. [S.337]** are: "Pudlo" waterproofer and "Feusol" fire cement, products which the company has been marketing for about 50 years.

For technical information ask for: A. H. Axbey or J. F. Booty.

Address: Kings Lynn, Norfolk.

New on the stand of **CAFFERATA & CO., LTD. [B.38]**, is: "Murilete"—a ready-mixed plaster containing a light aggregate. This is claimed to be easy to mix and to apply, and to have good fire-resisting properties, thermal insulation value and resistance to cracking.

Also on show: application of "Thistle" Acoustic Plaster and "Murilete" Gypsum Plaster.

For technical information ask for: the recently-reprinted edition of the company's Architects' Specification Booklet.

Address: Newark-on-Trent, Notts.

Exhibited on the stand of **DOHM LTD. [C.52]** are: various uses of vermiculite in building, manufactured by the firm in five grades, varying in weight from 3½-8 lb./cu. ft. and in thermal conductivity from K = 0.252 to K = 0.45 B.Th.U./hr.

Also on show: are the firm's vermiculite/cement blocks, in sizes 18 in. by 9 in. by from 2 in. to 4 in. thick; average weight, 28 lb./cu. ft.; K = 0.6.

Address: 167 Victoria Street, London, S.W.1 [Tel.: VIC 1414].

Exhibited on the stand of THE CARLISLE PLASTER & CEMENT CO. LTD. [N.273] is: "Carlite" plaster, a factory mixed plaster containing exfoliated vermiculite as an aggregate. This plaster, it is claimed, offers thermal insulation three times better than plaster made with sand, better fire resistance, and minimizes cracking, particularly on pre-cast concrete units.

Also on show: gypsum plasters, as used in many industries, as well as the building industry.

For technical information ask for: H. Smyth or J. A. Hare.

The stand: designed by J. G. Ryder, A.R.I.B.A., in collaboration with P. Yates, A.R.I.B.A.

Address: Bentinck Buildings, Wheeler Gate, Nottingham [Tel.: Nottingham 42071].

Glass

Exhibited on the stand of CHANCE BROTHERS LTD. [H.186 and J.199] are: figured, rolled and reeded glasses for building and decoration, clear and painted; flashed and "Pot Opal" glasses (the latter now being made again by Chance Brothers for the first time for 20 years); antique coloured glasses; glass tiles; cast and wired glass.

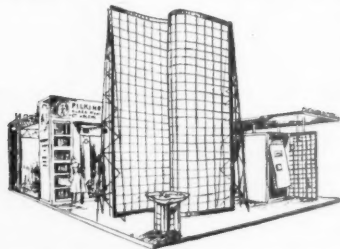
The stand: designed by H. T. Cadbury Brown, F.R.I.B.A., it incorporates full-size "mock-ups" of a living room, a kitchen, a bathroom and an office.

In the living room, figured rolled glasses are used for shelves, for cupboard doors and for the top of a coffee table. The fireplace surround is of white Pot Opal glass, in 6 in. by 6 in. tiles. In the kitchen, Pot Opal is used as a splash back to the sink, and figured rolled glass is used for sliding doors below the sink; in the bathroom, there is a shower screened by $\frac{1}{4}$ -in. rough cast glass; and in the office, there is a large cupboard glazed with "New Crown" glass.

One of the exterior walls is clad with painted glass, and there is a screen with a mosaic on it of all the colours made in Chance Brothers' "Antique" glasses (used for stained glass windows).

Address: 28, St. James's Square, London, S.W.1. [Tel.: WHI 6002].

New on the stand of PILKINGTON BROTHERS, LTD. [F.133] is: the "Armourcast" door. Made of $\frac{3}{4}$ -in. rough-cast toughened glass, this is supplied complete with butts and door furniture, and is intended for internal use in offices, flats, hospitals and other buildings where borrowed light, a clean appearance and reasonable privacy are required.



Also on show: "Insulight" sealed double glazing units; "Insulight" hollow glass blocks; "Armourplate" doors. Methods

of fixing glass blocks are demonstrated and the "Armourplate" doors are displayed in an all-"Armourplate" glass surround. A display showing the properties of "Antisun" and non-actinic glasses is of particular interest to architects concerned with building in the tropics.

The firm: founded in 1826 by two brothers—William and Henry Pilkington—it is still a "family concern," the present chairman being Sir Harry Pilkington, president of the Federation of British Industries. The firm has five factories, three in St. Helens, one in Doncaster and one in

Pontypool, and produces more than 320,000 tons of glass per year.

The stand: designed by S. M. S. Sternfeldt, L.R.I.B.A.
Address: St. Helens, Lancashire. London headquarters, Selwyn House, Cleveland Row, W.1.

Exhibited on the stand of J. A. KING & CO. LTD. [F. 134] are: various forms of "Glascrete" construction, including grid windows, mullion windows, roof lights and lantern lights.

Also on show: a standard concrete window surround now made in sizes to fit the Z-type standard windows, as well as the 1 ft. 8 in. range.

The stand: dominated by an arch, 22 ft. wide and 9 ft. high at the apex, constructed of 12-in. square lenses and cell units. The latter provide a flush soffit.

Address: 181 Queen Victoria Street, London, E.C.4 [Tel.: CEN 5866].

Sheet Materials, Partition and Ceiling Panels, etc.

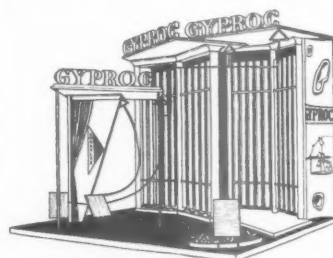
Exhibited on the stand of THE CAPE ASBESTOS CO. LTD. [M.261] is: "Asbestolux"—the highly fire-resistant asbestos insulation board, which is also claimed to be strong, light, unaffected by water or steam, rot proof, highly resistant to chemical attack and immune from attack by termites or mould.

The stand: designed by Nigel Farrington, A.R.I.B.A. It is devoted entirely to demonstrations of the fire-resistant qualities of "Asbestolux" and to exhibits showing recommended methods of fixing and finishing the material.

For technical information ask for: a copy of the firm's recently published booklet, copies of which will be available on the stand.

Address: Head Office, 114-116 Park Street, London, W.1 [Tel.: GRO 6022]; branches at Manchester, Birmingham, Glasgow, Paris, Roubaix, Johannesburg, New York, Rome, Genoa, Naples, etc.

Exhibited on the stand of GYPROC PRODUCTS LTD. [G.149] is: acoustic "Gyproc," a perforated, fire-protective plasterboard, used for ceiling construction.



Also on show: wall and ceiling surfaces finished with "Gyproc Cove," a gypsum core encased in an ivory-coloured millboard liner; recessed-edged "Gyproc" wallboard, and "Gyplite," a ready-mixed vermiculite insulating plaster.

The firm: formed in 1934 to make "Gyproc" wallboard and allied building materials, which previously had been imported from Canada. A new plant was built in Glasgow in 1937. The company is believed to have pioneered the introduction of wood-wool building slabs in this country, and in 1940 a unit for manufacturing these slabs was built at Strood, Kent. Later, this was replaced by a larger plant at Westhoughton, Lancashire.

Address: Westfield, Upper Singlewell Road, Gravesend, Kent [Tel.: Gravesend 4251].

New on the stand of CELOTEX, LTD. [B.30] is: the firm's fire-resistant insulating board, rated Class I under the B.S.476 spread-of-flame test. This board has a light surface colour and may be treated with distemper or emulsion

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paint. Standard width, 2 ft. ; lengths, 6 ft., 7 ft., and 8 ft. ; thickness, $\frac{1}{2}$ in.

Also on show : "Celotex" insulating board ; "Celotex" roof insulation—made in 4 ft. by 2 ft. sheets, with a rough-texture surface to facilitate bonding with bitumen to timber, concrete or steel roof decks ; "Celotex" building board, utility board, sarking and standard hardboard ; "Acousti-Celotex" sound-absorbing tiles—available in three thicknesses, $\frac{1}{2}$ in., $\frac{13}{16}$ in. and $1\frac{1}{4}$ in., and three sizes, 6 in. by 12 in., 12 in. by 12 in. and 12 in. by 24 in.

The factory-applied, smooth, white "Highlight" finish is now available on several of these products and the central feature of the stand is a display of building boards with this finish.

Other finishes on show include painting, distempering, varnishing and lacquering.

Address : North Circular Road, Stonebridge Park, London, N.W.10 [Tel. : ELG 5717].

Exhibited on the stand of META MICA LTD. [A.10] are : "Meta Mica" ceiling panels, fire cladding for the protection of structural steelwork, "Rocksil" for heat and sound insulation and cork flooring tiles.



For technical information ask for : Messrs. Frankish, Miller, Hough, or Higgins.

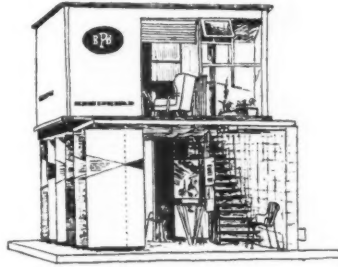
Address : 50, Bloomsbury Street, London, W.C.1 [Tel. : MUS 6363].

Exhibited on the stand of CELLACTITE & BRITISH URALITE LTD. [L.245] is: the firm's full range of specialized building materials, including "Cellactite"—a steel-cored sheeting for wall cladding and roofing, claimed to be non-combustible and non-corrodible; the "Arastone" range of asbestos-cement flue pipes, fittings and ventilation ducts ; "Kimoloboard"—a "panelling" board that can

be worked like wood, but is claimed to be non-combustible ; "Kimolo" bricks—moler earth bricks and partition blocks of high thermal insulation value.

Address : Cellactite House, Whitehall Place, Gravesend Kent. [Gravesend 4911].

New on the stand of THE BRITISH PLASTER BOARD LTD. [E.94] is: the "Paramount" dry partition—a prefabricated panel consisting of two sheets of "Paramount" plaster wallboard, separated by cellular fibrous



core. Great strength and rigidity is claimed for the panel, which is said to be highly fire-resistant and to have good thermal and sound insulating properties.

Also on show: the "Paraclip" system of suspended plaster ceilings ; a wide selection of the firm's

plasterboards and gypsum plasters, including "Thistle" acoustic plaster and "Paramount" insulating plaster-board ; "Paramount" 2-in. solid partitioning.

The stand: designed by Ronald Dickens, M.B.E., M.S.I.A.

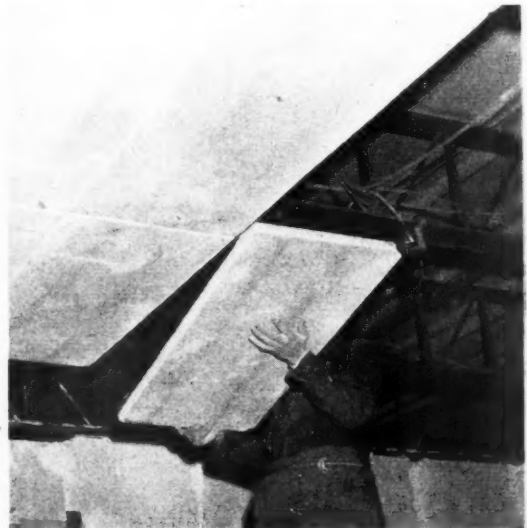
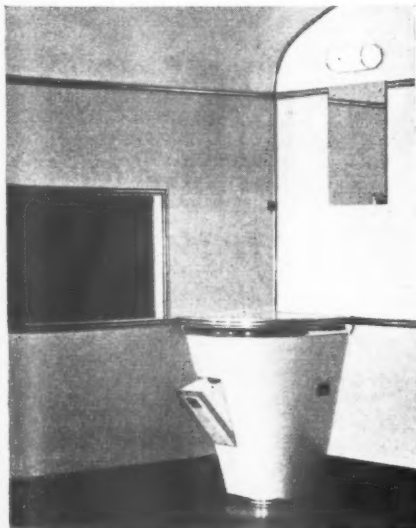
Address : Morris House, 1-5 Jermyn St., London. S.W.1. [Tel. : WHI 9821].

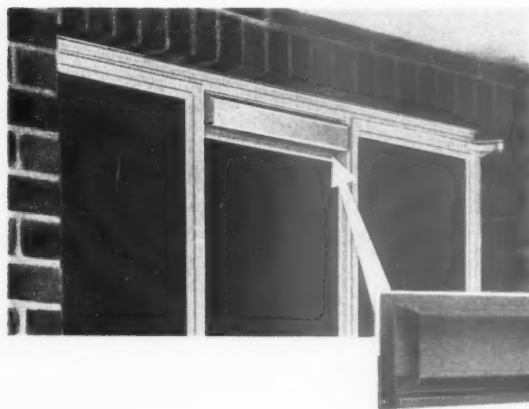
New on the stand of MASONITE LTD. [H.187 and J.198] are: "Masonite" tempered plastic sheeting and "Masonite" flooring. The former has a hard, durable surface, suitable for table tops, bar counters and kitchen fitments. It is impervious, the company claims, to acids, heat and cigarette burns, and is available in five colours. The flooring, which is laid direct on to a wood base, is available in 12-in. squares.

For technical information ask for: F. N. Bentley, W. Garner, B. Goodman, or J. C. Morl.

Address : Bevis Marks House, E.C.3. [Tel. : AVE 2846].

SHEET MATERIALS AND PANELS—Left, part of a toilet for a Ceylon railway carriage panelled throughout with "Warerite" decorative plastic sheeting (stand No. D.81). **Centre,** a "Friesalux" partition panel with $1\frac{1}{2}$ -in. cork core (John Ellis & Sons, Ltd. Stand No. O.285). **Right,** "Meta Mica" ceiling panels, seen here being installed in the MOE Wokingham School (Meta Mica Ltd. Stand No. A.10).





Extreme left, horizontal window ventilator by Greenwood's and Airvac Ventilating Company Ltd. (Stand No. H.192.) Left, a chimney cowl specially designed for use with the "Arcon" prefabricated bungalow (G. A. Harvey & Co. (London) Ltd. Stand No. G.150.) Above, Adam & Harvey's new "R.S. Rapid Hammer" for $\frac{1}{4}$ -in. fixings (Stand No. R.319)

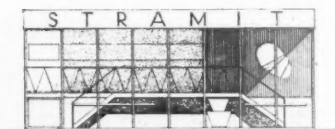
New on the stand of THE AIRSCREW COMPANY AND JICWOOD LTD. [NHG. 548] is: the new plastic faced "Weyroc." The hard surface of the clear plastic should prove durable for flooring, protecting the board from plaster, paint, and builders' mess.

Also on show: a cinema seating 50, which is open to the public, showing two films, "Weyroc Man-Made Timber" and "Building the Weyroc Way."

The stand: two thirds of the stand is taken up by the cinema which is, in itself, a "Weyroc" display, the interior walls being panelled in such a way as to demonstrate all finishes possible with "Weyroc." Four types of "Weyroc" are shown—plain, paper surfaced, veneered and plastic faced, as well as the various treatments which it can be given—painting, distempering, staining, etc. A range of full-sized, 8 ft. by 4 ft. "Weyroc" boards in all finishes are displayed on the outside walls of the cinema.

Address: Head Office, Weybridge, Surrey; London office, Grosvenor Gardens House, Westminster, S.W.1.

New on the stand of STRAMIT LTD. [L.237-238] is: the "Lindoco" one-hour firecheck door. Also shown are



examples of "Stramit" used as roofing and flooring, as an insulating lining, for partitions and for insulating water tanks.

The firm: established here in 1946 to manu-

facture the board under licence from Sweden, where it was first produced in 1936.

The stand: designed by June Park, A.R.I.B.A.

Address: Packet Boat Dock, Cowley Peachey, Uxbridge. Factory, Stowmarket, Suffolk.

Flooring, Paving, etc., other than Clay Tiles

New on the stand of AERO RESEARCH, LTD. [EHG.653] are: "Ardux" floor tiles, not previously displayed except at the Building Centre. These consist of a hardwood veneer on a base of resin-treated sand. They are laid in cement mortar direct on concrete and are suitable for use over floor heating.

Also on show: flush doors in which the firm's "Aerolite" synthetic resin glue has been used; small packs of

"Aerolite," as supplied to builders, woodworkers, etc. "Aerolite" is claimed to be unaffected by water, mould, bacteria, and micro-organisms and to withstand heat up to 160 deg. F.

The firm: founded by Dr. N. A. de Bruyne, at that time a Fellow of Trinity College, Cambridge, to undertake research into new materials for aircraft structures. The firm now specializes in the manufacture of synthetic resins, most of which are used as adhesives for the woodworking, electrical, light engineering and aircraft industries.

For technical information on "Ardux" floor tiles, ask for: A. H. H. Tollemache.

Address: Duxford, Cambridge.

New on the stand of THE ADAMITE COMPANY LTD. [NHG. 537] is: "Vynoleum"—a hard-wearing, yet soft and warm, felt-backed flooring designed for domestic and office use. It is supplied in roll form.

Also on show: "Altro" smooth finish flooring; "Altro" safety flooring, claimed to be acid, alkali and oil proof and harder wearing than granolithic concrete; "Altro" safety treads, which were specially designed for the LTE buses, but are also suitable for use in industrial and commercial buildings. "Altro" flooring is for heavy-duty areas, such as are found in factories, schools, post offices and buildings where there is heavy traffic of trucks with steel wheels.

The firm: also manufactures "Colemanoid" waterproofing and hardening liquids; "Radalon" cement retarder.

Address: Manfield House, Strand, London, W.C.2 [Tel.: TEM 6233/6].

Exhibited on the stand of NOELITE LTD. [H.188] is: "Noelite" paving and walling, made in three thicknesses and five natural shades. The company claims that the hand-finished process used in manufacturing these products gives a non-slip surface particularly suitable for schools, hospitals, sports centres and old people's homes.

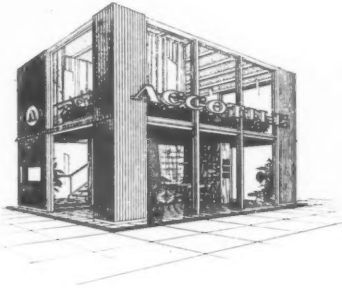
Address: Noelite Works, Borough Green, Kent [Tel.: Borough Green 137].

Exhibited on the stand of L. FISHBURN [NHG.543] is: "Roflex" resin flooring—an *in situ* floor which is spread cold with a trowel and air dries to a tough flexible continuous surfacing about $\frac{1}{4}$ in. thick. It is claimed to be completely dust-free and resistant to oils, fats, grease, and heavy trucking.

For technical information ask for: B. Doody.

Address: 31 Courthouse Gardens, London, N.3 [Tel.: FIN 3526].

New on the stand of the ARMSTRONG CORK COMPANY, LTD. [C.46] are: cork tiles produced by a new process which produces a more-or-less uniform tone throughout the tile.



Also on show: cork wall tiling, "Accotile" thermoplastic floor tiles, cork slabs for thermal insulation, and Armstrong's furniture rests, designed to prevent the indentation of flooring materials.

The stand: designed by Beck & Pollitzer, in conjunction with Charles E. Gilbert. It

has two storeys, with most of the display on the "ground floor" and an office on the "first floor."

For technical information ask for: Stafford Neck, manager of the flooring division.

Address: Head Office, Kingsbury. London showrooms, Bush House, Aldwych.

Exhibited on the stand of the AVON INDIA RUBBER CO., LTD. [S.338] are: the firm's various types of rubber flooring.

The firm: established in 1885, in a tiny disused cloth mill. The present company was founded in 1890, when the staff consisted of 20 men and 4 women. The men worked a 12-hour day. Today the firm employs 2,000 workers and, in addition to rubber flooring, is well known for its pneumatic tyres and sports equipment. During the war, it turned out 20,000,000 gas masks.

The stand: in addition to the flooring, the principal exhibit, there is a photograph "gallery" of contracts executed, architectural data, colour samples and details of the firm's studio service.

For technical information, ask for: S. A. Holtam, the group manager; D. A. Washbrook, the senior sales assistant; R. B. Rowbotham, D. O. Brown or J. Tweddle, technical representatives.

Address: Melksham, Wilts. Branches in London, Birmingham, Bristol, Manchester, Newcastle, Glasgow, Bridgend, Nottingham, Leeds, Aberdeen and Norwich.

Shown for the first time on the stand of SEMTEX LTD. [E.101] are: new colours recently added to the "Semastic" decorative tile range, which can now be divided into six

price groups and four colour sequences, each pattern of which is inter-related.

Also new: a range of 36 plain and marbled colours in "Dunlop" rubber flooring.

Also on show: anti-corrosive cements and floorings, "Semtex"

vinyl tiles, jointless fleximers, and decorative linoleum.

The firm: established in 1927, Semtex is believed to be the largest firm of flooring contractors in Britain. Its products are exported to 100 overseas countries, where specialist laying facilities are provided for customers. It pioneered the thermoplastic tile, and in recent years has entered the chemical engineering field; its latex cement is now used to prevent corrosion of steel and concrete structures.

The stand: designed by Stuart Bentley, F.R.I.B.A., and B. J. M. Morgan, A.R.I.B.A.

For technical information ask for: H. Cadogan, R. G.

Collister, R. F. R. Jones, N. E. Lansdowne, E. N. Lowe, D. Ross, L. Sansome, or B. W. Wright.

Address: The Broadway, Welsh Harp, London, N.W.9 [Tel.: HEN 6543].

Miscellaneous Materials, including Asphalt, Waterproofing and Jointing Compounds, etc.

New on the stand of PHILPLUG PRODUCTS, LTD. [K.220] is: a new application of "P.C.4"—Philplug's cold caulking compound cord. "P.C.4." can now be used, in place of cement or lead, for the fixing of iron railings; the LCC has approved and specified "P.C.4" for this purpose and the material has successfully withstood an hydraulic pressure exceeding 1,000 lb./sq. in. (in a BRS test). It is claimed to be cheaper and simpler to use than lead for this purpose. (P.C.4 consists basically of asbestos fibres and cementation powders in the form of a cord. It is in general use for jointing various types of spigot and socket pipes, and for caulking cast iron and concrete tunnel segments.)

Also on show: "Philplug" inserts—manufactured from asbestos fibres and cement, and designed to be cast into concrete or artificial stone units for the purpose of providing fixings; "Philbolt" anchor bolts.

For technical information ask for: Messrs. T. W. Garratt, K. McCabe, H. Lewent, or J. Haworth.

Address: Lancelot Road, Wembley, Middlesex [Tel.: WEM 2255/6].

Exhibited on the stand of EXPANDITE LTD. [K.225] are: typical joints incorporating the various "Expandite" sealers.

Also on show: "R.B.200," a rubber/bitumen compound which is claimed to be waterproof, rotproof, and resilient, and can be used for jointing between bolted prefabricated concrete slabs, flanged pipes, and sectional timber structures; and "Aerolastic," a hot-poured compound, specially developed for sealing joints in concrete runways which must withstand the heat of jet aircraft engines.

For technical information ask for: R. A. King, J. C. Rogers, J. R. Field-Smith, or P. L. Critchell.

Address: Chase Road, London, N.W.10 [Tel.: ELG 4321].

Exhibited on the stand of THE LIMMER & TRINIDAD LAKE ASPHALT CO. LTD. [F.128] are: samples of mastic asphalt applications for roofing, flooring and damp-coursing.

Also on show: "Trinasco" surfacing for footpaths and playgrounds.

Address: Steel House, Tothill Street, London, S.W.1 [Tel.: WHI 6776].

Exhibited on the stand of FIBREGLASS LTD. [L.241] are: bitumen bonded thermal insulating materials, quilted and made up in rolls for walls, ceilings and floors, and in rigid sections for steam pipe insulation; wired mattresses for boiler insulation; staple tissue for protecting underground pipes. All these materials are claimed to be rotproof, fire resistant and free from odour.

The firm: began as a small department of Chance Bros. in their works at Firhill, Glasgow, in 1930. Eight years later an American plant for producing glass wool was installed and the firm came into being separately as Glass Fibres Ltd., changing its name to Fibreglass Ltd. in 1943. In 1944 work started on the present plant at St. Helens.

The stand: designed by A. S. Buckley, A.R.I.B.A.

Address: Ravenhead, St. Helens, Lancs. [Tel.: St. Helens 4224].

On the stand of NURALITE SALES LTD. [L.248-249] is: "Nuralite"—an asbestos-bitumen material that can be used for roofing, flashing, ridging, guttering, etc., in the same way as non-ferrous metal sheeting. The material is claimed to be "nearly indestructible," inexpensive and simple to lay; when properly used, it is guaranteed to last 20 years.

For technical information ask for: the firm's free technical handbook.

Address: 3-4, Whitehall Place, Gravesend, Kent. [Tel.: Gravesend 4911.]

Exhibited on the stand of HIGHWAYS CONSTRUCTION LTD. [C.56] is: what is probably the largest piece of natural rock asphalt ever brought into this country. It has been shipped from the rock asphalt mine which the firm owns at St. Jean de Maruejols, Gard, France, especially for the exhibition.

Also on show: asphalt and pitch mastics for general purpose coloured flooring, special types of industrial flooring, roofing, tanking and damp-coursing. Of special interest are those mastics used in flooring heavy engineering works, factories, warehouses and breweries, low and high-temperature storage, and where acid and oil-resisting properties are required.

Address: Iddesleigh House, Caxton Street, London, S.W.1 [Tel.: ABB 4366].

Space Heating, Water Heating and Ventilation Appliances

New on the stand of STEEL RADIATORS LTD. [P.301] is: the "Stelrad" oil-burning convector heater, claimed to burn for 60 hours on one gallon of paraffin.

Also on show: pressed steel radiators for central heating; paraffin heaters; oil-filled, thermostatically-controlled electric radiators.

The firm: founded in 1936, it is associated with the Aga Company of Stockholm.

For technical information ask for: C. H. Clifford, G. Darnell, S. V. Meinhardt or P. McVicar.

Address: Stelrad Works, Bridge Rd., Southall, Middlesex [Tel.: Southall 2603].

Exhibited on the stand of ROBERT TAYLOR & CO. (IRONFOUNDERS) LTD. [O.286] is: a full range of boilers with outputs between 21,000 and 70,000 B.Th.U. per hour. Two models are fitted with thermostats for the first time.

The firm: also produces stoves, cookers and iron alloy castings.

Address: Larbert, Scotland. London office, 66 Victoria Street, S.W.1.

New on the stand of AIDAS ELECTRIC LTD. [D.79] is: the new "Sadia Select" 3-gall. flat electric storage water heater. Dimensions: height, 20½ in.; width, 14½ in.; depth, 7½ in. Colours available: pastel blue, eau-de-Nil, parchment, black and white.

Also on show: other "Sadia" storage type automatic electric water heaters and "Aidas" automatic immersion heaters.

The firm: established in 1923 to sell electric storage water heaters imported from Switzerland. Started manufacturing appliances here in 1932, when the 1½-gall. "Sadia" was introduced. The firm specializes in electric water heating appliances and deals with no other type of product.

For technical information ask for: one of the firm's area technical representatives, all of whom will be in attendance.

Address: Head Office, Sadia Works, Rowdell Road, Northolt, Middlesex. Scottish agents, Wm. Brown & Co. (Engineers) Ltd., 89 Douglas Street, Glasgow, C.2. The firm has representatives in areas corresponding with the limits of the eight English and Welsh Electricity Boards.

New on the stand of RADIATION GROUP SALES LTD. (Solid Fuel Division) [M. 264] is: the "Parkray" free-standing convector fire. This is a low-cost appliance designed for installation in existing fireplace openings, as well as in prepared recesses.



Also on show: the "Yorkseal" openable fire cooker; the "Yorkist No. 12"

combination grate; the Mark III version of the "Chevin" convector fire; the new "Siesta No. 4" stove; the "Eagle Boiler Flue Set No. 4" which can provide domestic hot water and supply radiators; a glass-sided demonstration model of Radiation whole-house warming by ducted warm air.

The stand: designed by Neville Conder and Robert Maxwell, A./A.R.I.B.A.

Address: Leeds, 12.

New on the stand of AGA HEAT LTD. [A 5/6] is: the "25/40 Agamatic Boiler." This new addition to the "Aga" range is claimed to be able to produce, over a period of 7 days, 600 gallons of hot water for less than

1 cwt. of coke, thereby demonstrating the value of efficient thermostatic control. The boiler is designed for slow burning for long periods with a combustion rate of less than ½ lb. of coke per



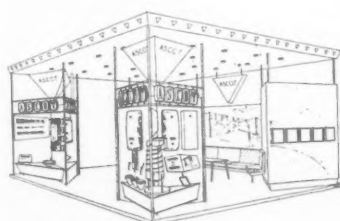
hour. On the stand, the boiler will be shown alight, heating a compact hot water system, comprising a 30-gall. storage cylinder with the usual flow and return pipes, and a draw-off to a sink.

Also on show: the "Aga" cooker and water heater, model "CB," also alight; the "Aga" model "E"; the free-standing "Agamatic" and other "Aga" products, including cooking utensils suitable for use with "Aga" cookers.

The stand: designed by Arthur Braven, A.R.I.B.A.

Address: showroom, 20, North Audley Street, London, W.1; offices, 30, Orchard Street, London, W.1. [Tel.: MAY 6131].

Exhibited on the stand of ASCOT GAS WATER HEATERS LTD. [N.272] are: the Ascot 715 Balanced Flue Multipoint gas water heater; the RS52/1 Boiling water heater; the 709 and 709B Instantaneous Multipoint heaters; the full range of the seven "Type 503" heaters; a demonstration of the installation of the 715 Balanced Flue Multipoint heater; the Ascot Jigged Wall Fitting and a demonstration of its installation; the



Ascot A3/6 Storage water heater for hairdressers; a series



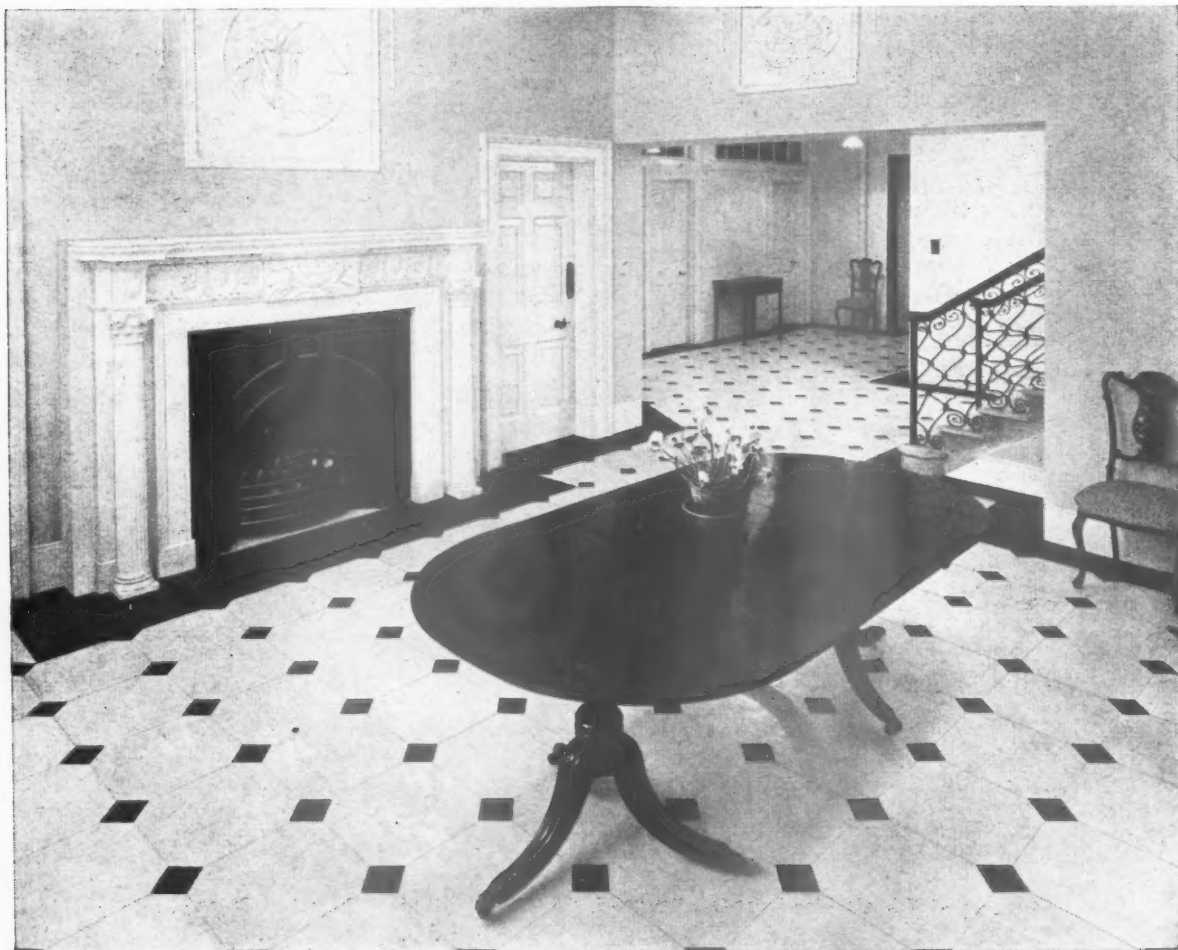
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THE PHOENIX TIMBER CO. LTD.

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Designed Rubber Floors



Architect: J. C. Lindforth M.Inst.R.A.

This copy of an old stone floor laid at the High School for Girls, Bath, is a contemporary example of work in the AVON tradition. The floor was installed by AVON craftsmen and will give many years of silent service. Avon Rubber floors are colourful and permanent and are ideally suitable for Banks, Hospitals, Offices, Theatres, Cinemas, Hotels and Ships. Architects' Data Sheets (entirely free from advertising) and all relevant information, including specimens and photographs are available on request.



by
AVON

**BUILDING TRADES
EXHIBITION
OLYMPIA
Stand No. S338**

THE AVON INDIA RUBBER COMPANY LTD., MELKSHAM, WILTS.

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of photographs showing new houses and flats in which Ascot heaters have been installed.

The firm : established in 1929, since which date over a million and a quarter of their instantaneous gas water heaters have been sold. They also manufacture gas fires and gas rings.

The stand : designed by John Sheldon, A.R.I.B.A., of Design Associates.

For technical information ask for : G. Edwards, F. Taylor, J. Smyrk, J. Hale, B. Balster, G. Behr or G. Michie.

Address : Head Office, 255 North Circular Road, Neasden, London, N.W.10. Branches at Glasgow, Birmingham and Bournemouth.

Exhibited on the stand of GREENWOODS' & AIRVAC VENTILATING CO. LTD. [H.192] is: a natural extractor, incorporating a motorized damper suitable for thermostatic control.

Also on show : a cut-away working model of a roof-mounted fan unit; scale models of a circular glass dome ventilator and a rectangular glass dome ventilator; and samples of under-floor, skirting and corbel types of ducting system for electrical services.

Address : Abbeydale Road, North Circular Road, Wembley Middlesex [Tel.: Perivale 4488].

Exhibited on the stand of RANGE BOILERS LTD. [N.269] is: the "Aquamatic" copper indirect cylinder. One feed tank only is needed for both primary and secondary water, instead of the usual two. After installation, action is automatic.

Also on show : various types of water-heating and storage vessels, with emphasis on domestic use.

Address : Stalybridge, Cheshire [Tel.: Stalybridge 2231].

New on the stand of IDEAL BOILERS & RADIATORS LTD. [Q.310] is: the "Autocrat" thermostatically-controlled domestic boiler, and improved full-way fittings, tinned throughout, for use with copper tube.

Also on show : a full range of domestic boilers, small gas boilers, and cast iron hot water radiators.

The stand : incorporates a complete bathroom with coloured sanitary fittings, two more with different types of white fitting, and a range of sanitary appliances specially designed for schools.

Address : Ideal works, Hull [Tel.: Hull Central 15020]. London showroom, Ideal House, Great Marlborough Street, W.1 [Tel.: GER 8686].

Exhibited on the stand of FRENGER CEILINGS LTD. [NHG.529] is: a patent suspended metal ceiling incorporating radiant panel heating and acoustic treatment.

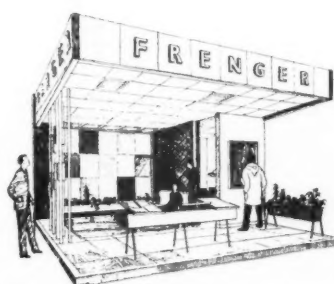
Also on show : special lighting fittings adapted to suit this ceiling system.

The firm : established in February, 1952, to develop this patented heating and acoustic system.

The stand : designed by Cecil C. Handisyde, A.R.I.B.A.

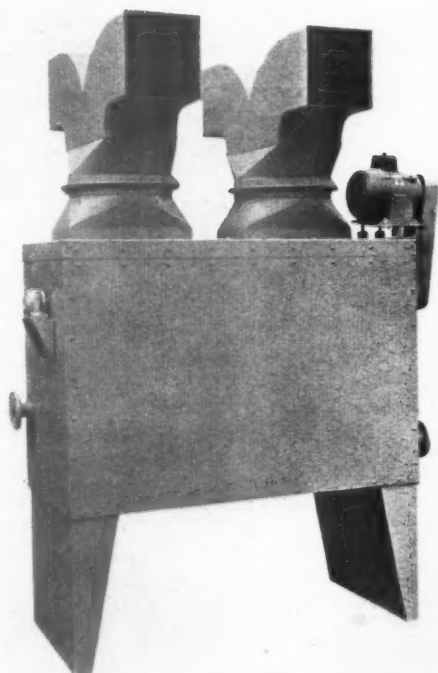
For technical information ask for : A. P. Grant or P. S. Harris.

Address : 67 Great Russell Street, London, W.C.1.



HEATING APPLIANCES—(1) *The Copperad "Jetstream" heavy-duty unit heater, with twin swivelling outlets. Available in sizes from 250,000 to 1,000,000 B.Th.U. per hour. (Stand No. F.124.)* (2) *E. K. Cole's "F.R.C.2 Thermovent" convector heater, available with switch, or thermostatic control. (Stand No. 524.)* (3) *The new "F.104" reflector fire by British National Electrics Ltd. (Stand No. X.381-382.)* (4) *The "Copperad" fan cooler, for use with chilled water or brine, and available with a capacity of from 5,000 to 35,000 B.Th.U. per hour extraction. (Stand No. F.124.)* (5) *The new "Stelrad" convector-type oil heater exhibited by Steel Radiators Ltd. (Stand No. P.301.)*

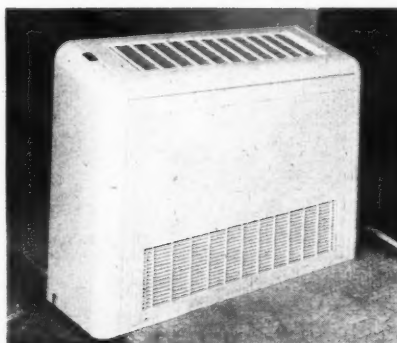
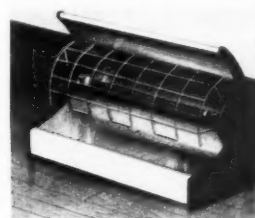
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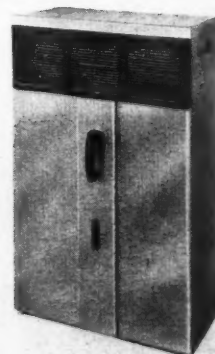
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5

MOSS HALL INFANTS' SCHOOL, FINCHLEY. No. 3 of a Series.

FOR MIDDLESEX COUNTY COUNCIL

Architect :

C. G. STILLMAN, F.R.I.B.A.

General Contractor :

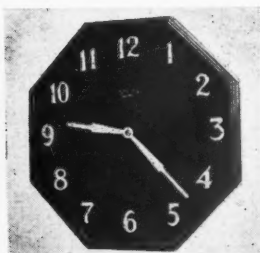
MESSRS. W. S. TRY LTD.

Electrical Sub-Contractors :

MESSRS. TROUGHTON & YOUNG

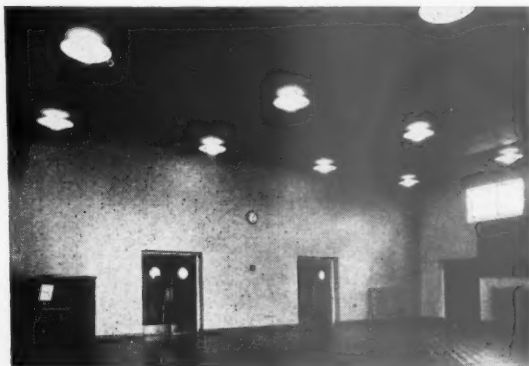
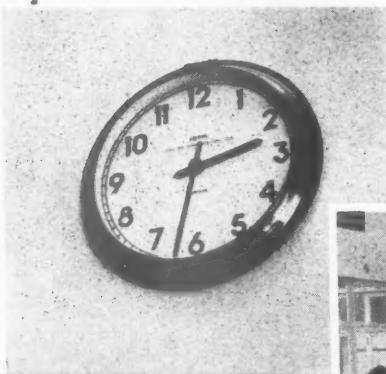
Time by SMITHS

Main Entrance and forecourt at Moss Hall Infants' School.



STAINES

One of the many attractive Smiths Wall Clocks which are available. Flush fixing octagonal oak or walnut case. 16" dial.



Part of the spacious Assembly Hall at Moss Hall Infants' School.



Modelling plasticine in one of the School's classrooms.

The new Moss Hall Infants' School, constructed under the direction of the Middlesex County Council, is another of the many modern buildings where Smiths Clocks have recently been installed. Appropriate models can always be selected from the wide range of Smiths Clocks, or they can be made to the Architect's design whenever desired.

Installations range from extensive Master Clock Systems incorporating Interior and Exterior Clocks, to the limited requirements of smaller offices.

Left:
Clocks with 9" and 12" spun metal bezels, painted dials and black arabic numerals were supplied to Moss Hall Infants' School.



Lunch time in one of the School's Dining Halls.

New on the stand of GULF RADIATORS LTD. [I.244] is: the "Gulfray" flush panel type of radiator and convector.

Also on show: the company's column and panel hot water radiators; and a display of oil-filled electric, gas and paraffin radiators produced by an associated company—**HURSEAL LTD.**

For technical information ask for: W. J. Craddock.
Address: Penarth Road. Cardiff.

New on the stand of COPPERAD LTD. [F.124] is: the firm's "Jetstream" heavy-duty unit heater, suitable for operation on steam or hot water, and for wall, ceiling or inverted mounting. Sizes range from 250,000 to 1,000,000 B.Th.U./hr.

Also new: the "Copperad" fan cooler, designed to operate from a central supply of chilled water or brine, and fitted with a two-speed motor. The unit contains a heat exchanger with copper fins and tubes, an air filter, and a drip tray for collecting condensation. Sizes range from 5,000 to 35,000 B.Th.U./hr. extraction.

Also on show: other steam and hot water-operated unit heaters, radiant heating panels and convectors. The latter have all been re-designed since the last Building Exhibition; they are now all fitted with top regulating dampers, which can be opened and closed by means of a sliding knob.

Address: Colnbrook, Bucks. London office, 12 Baker St., London, W.1. (Tel.: WEL 1226). Northern and Scottish office, 30, Rutland Square, Edinburgh.

New on the stand of BRITISH NATIONAL ELECTRICS LTD. [X.381/382] is: the new and improved model "C.51" cooker and the recently developed "F.104" reflector-type electric fire.

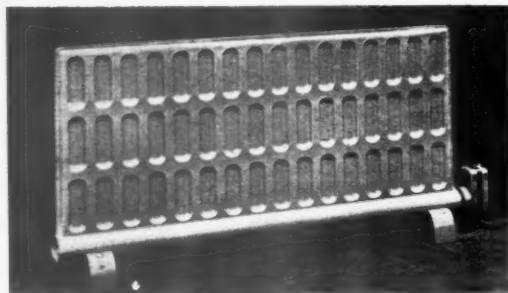
Also on show: two other cookers—the "C.49," with counterbalanced drop-down door and 2-tone vitreous enamel finish, and the "CS"—a low price version of the "C.49," finished in mottled grey and with legs instead of a flush-to-floor base; the firm's entire range of domestic hot water appliances, including pressure and non-pressure types, immersion heaters and circulators; the "F.103" reflector-type fire; the thermostatically-controlled "P.20" convector heater.

The firm: founded in 1931, it was merged in 1946 with Johnson & Phillips Ltd.—a firm that was founded in 1875 and whose branches and agents in the UK and abroad now handle B.N.E. products. The firm's factory at Newartnill, Scotland, is claimed to be one of the largest in the country devoted entirely to the manufacture of domestic electrical appliances.

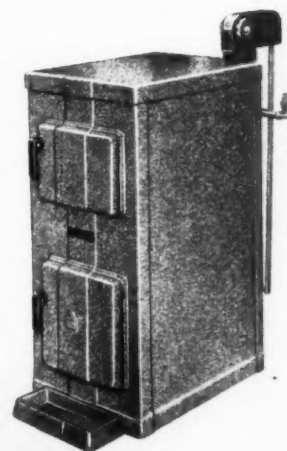
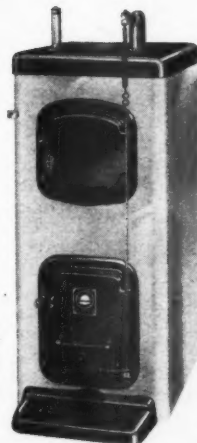
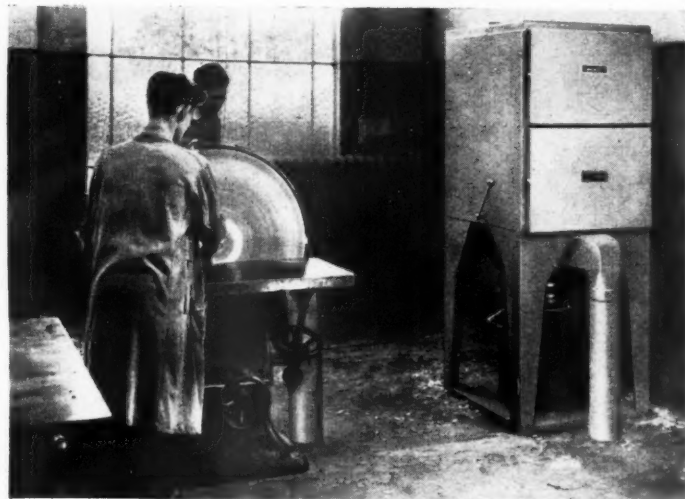
The stand: designed by Jack Riches, M.S.J.A., of Herald Displays Ltd.

Address: London office, Columbia House, Aldwych, W.C.2.

HEATING AND VENTILATION—Left, a new "Dimplex" oil-filled electric radiator (1½ kW.) (Dimplex Ltd. Stand No. GHG.481.) Below, the "Dustmaster DM.105" unit dust collector being used for collecting sawdust from woodworking machinery. (Dallow Lambert & Co. Ltd. Stand No. W.372.)



Below, from left to right, the Ideal "Autocrat" thermostatically-controlled domestic boiler (Stand No. Q.310); the "Tayco 41M" thermostatically-controlled domestic boiler (Robert Taylor (Ironfounders) Ltd. Stand No. O.286); the Ideal "No. 2A Neo-Classic" boiler (Stand No. Q.310); the "New Carlton" boiler (32,500-61,000 B.Th.U./hr.) (Crane Ltd. Stand No. N.268.)



AND THIS IS
Spotlyte

... A NEW CHANCE GLASS

Here is a rolled glass you may not have met before. One well worth remembering whenever you need moderate obscuration and plenty of light. Its pattern is lively, interesting, contemporary ... and — a practical point — but important, it is easy to keep clean. Spotlyte is available in sheets up to 120 in. long by 48 in. wide. It is $\frac{1}{8}$ in. thick.

FOR SCIENCE, INDUSTRY AND THE HOME

Chance
... GLASS

CHANCE BROTHERS LIMITED. Head Office : Smethwick 40, Birmingham. Telephone : West Bromwich 1824. London Office : 28 St. James's Square, S.W.1. Telephone : Whitehall 6002.

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Exhibited on the stand of CRANE LTD. [N.268] are: boilers for coke, anthracite and other smokeless fuels, suitable for houses with floor areas up to 1,500 sq. ft., including the No. 25 model, which is made in ratings from 23,000 to 50,000 B.Th.U./hr. and finished in vitreous-enamel, mottled grey or cream and black.

Also on show: the "New Carlton Boiler," available in 9 sizes from 32,500 to 136,000 B.Th.U./hr.; the "White-hall" sectional boiler; "Pall Mall" and other types of cast-iron radiator; the Crane "Concealed Radiator," with its steel cabinet; other heating equipment, including malleable iron pipe fittings and gun metal gate valves and ball valves.

Address: Head Office and London branch, 45-51, Leman Street, E.1. Works, Ipswich. Branches at Birmingham, Brentford, Bristol, Glasgow, Manchester.

Exhibited on the stand of DIMPLEX LTD. [GHG.481] is: the full range of "Dimplex" oil-filled electric radiators and towel rails, including the "Flameproof" and "Gastight" radiators produced for spray booths, garages, petrol stations and other premises where there may be hazardous conditions.

Address: Totton, Southampton, Hants. [Tel.: Totton 2481].

Exhibited on the stand of SIDNEY FLAVEL & CO. LTD [N.266] is: the firm's finned-back boiler with the "Newbold" grate, which provides winter hot water by means of solid fuel and summer hot water by means of a special gas attachment.

Also on show: "Metro" boiler single and double case units; the "Newbold," "Seymour," and "Metro Mk. II" solid-fuel, continuous-burning fires; the firm's range of gas cooking appliances.

Address: Eagle Foundry, Leamington Spa.

Exhibited on the stand of the TRIPLEX FOUNDRY LTD. [N.270] are: the firm's continuous burning fires, finished in porcelain enamel; the type "W" insulated cooker, now fitted with a larger boiler to provide hot water for two radiators, as well as the domestic supply; the "38 C/F" combination grate; and boiler grates in two different sizes.

Address: Great Bridge, Staffordshire.

Exhibited on the stand of ALLIED IRONFOUNDERS LTD. [E.H.G. 636-637] are: replicas, before and after conversion, of houses at Stockton, which the firm acquired and converted (by installing modern water heating and cooking appliances and by adding a bathroom and an inside w.c.), in an attempt to demonstrate the use which could be made of the millions of structurally-sound, but inadequately equipped, houses that exist throughout the country.

Also on show: a selection of the firm's products.

Address: 200A Upper Thames Street, London, E.C.4 [Tel.: CEN 7954].

Exhibited on the stand of SMITH & WELLSTOOD LTD. (proprietors of THE ESSE COOKER COMPANY) [P.292] are: examples of the firm's solid-fuel cooking, water heating and space heating appliances, including the "Esse Heat Storage" cooker, which caters for up to 30 persons, and the "Wellstood" and "Doric" combined cookers and water heaters, both for up to 6 persons; the "Automatic Hydresse" and the "Auto-Ace" water heaters, for the large house or small hotel, and the "Mermaid" water heater for the average house; "Esse"

openable and closed stoves; "Dolphin" and "Rola-Fyre" continuous burning fires; factory heaters.

Address: Bonnybridge, Stirlingshire.

Exhibited on the stand of E. K. COLE LTD. [NHG.524] is: the full range of "Thermovent" heating equipment, including the new portable "FR" and "SR" convector heaters. The former is a luxury model, with a "walnut" plastic front panel and a metal grille in "old gold" enamel. It is available in 1 kW. and 2 kW. loadings.

Also on show: "Thermotube" electric heaters, air heating units and unit heaters, high-temperature panel heaters and thermostats.

The firm: has been manufacturing radio, television, and radio communication equipment since 1926, and is also engaged in nucleonics, plastics and heating equipment production.

Address: Southend-on-Sea, Essex [Tel.: Southend 49491]. London office, 5 Vigo Street, W.1. Area headquarters at Manchester, Birmingham, Glasgow, Bristol and Belfast.

Exhibited on the stand of COLT VENTILATION LTD. [K.232] is: the complete range of the firm's industrial ventilators.



The exhibit shows how the ventilators are fitted and how they operate, and details are available of some of the more interesting schemes in which these ventilators have been used.

Address: Surbiton, Surrey [Tel.: Elm-

bridge 6511]. London office, 1-3, Lower Regent St., S.W.1. Area offices at Birmingham, Bradford, Kilmarnock, Manchester, Newcastle, Sheffield, Newport (Mon.).

Plumbing, Sanitation, Water Supply, Sanitary Fittings, etc.

New on the Stand of ADAMSEZ LTD. [H.180 and J.205] is: a model demonstrating a completely new approach to the design and operation of the hospital bedpan washer.

Also on show: the "Bean" and "Lotus" ranges of sanitary fittings including the new patent "Lotus" rimless w.c. pan.

The firm: has been manufacturing glazed fireclay products for over 50 years.

The stand: designed by H. & H. M. Lidbetter, F./F.R.I.B.A.

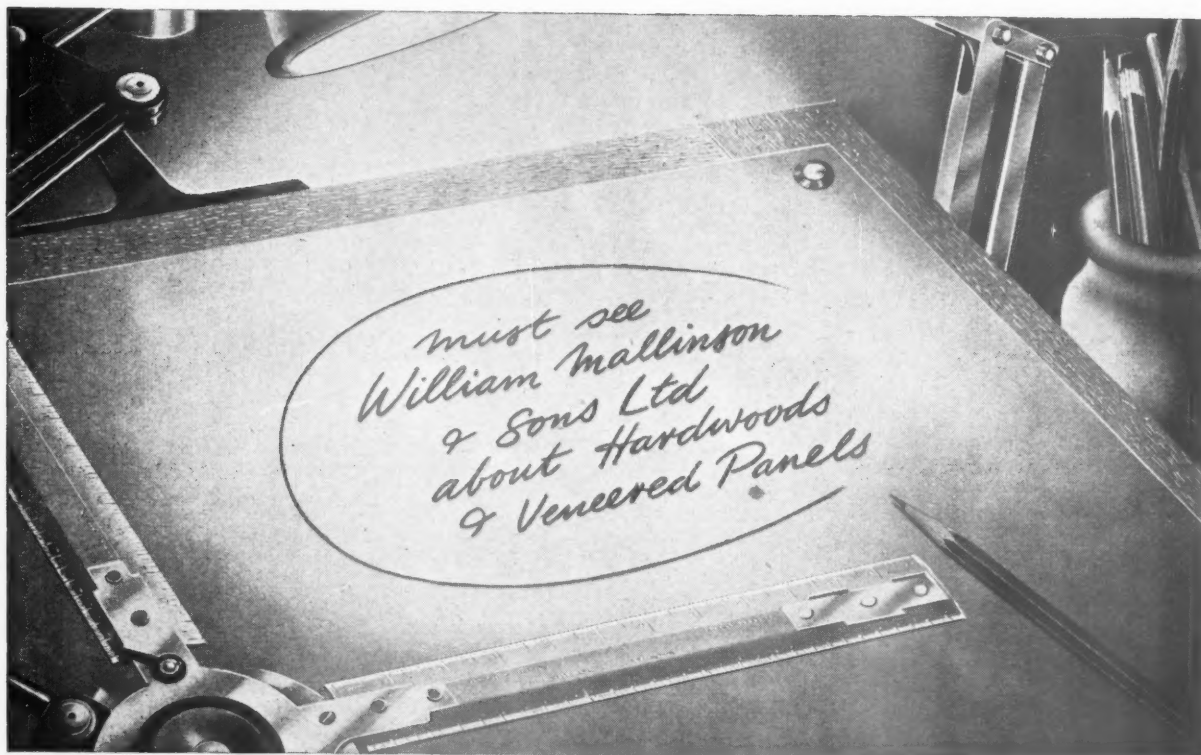
Address: head office, Scotswood Works, Newcastle-upon-Tyne, 5; London office and showroom, 54, Victoria Street, S.W.1 [Tel.: VIC 2172-3].

Exhibited on the stand of EASICLENE PORCELAIN-ENAMEL (1938) LTD. [H.177] are: "Princess" and "Duchess" sink units, low and high level flushing cisterns, an electric washer with a hand-operated wringer, and table-top refrigerators operated by gas, electricity, bottled gas and paraffin.

Address: Darlaston, South Staffs [Tel.: Darlaston 130].

Exhibited on the stand of THE LEEDS FIRECLAY CO. LTD. [K.227] is: porcelain sanitary ware, which the company has been supplying to hospitals, schools, and industrial, and office buildings for some 60 years.

Also on show: examples of ceramic decoration of earthenware and fireclay tiles, including its use for fireplace



WILLIAM MALLINSON & SONS LTD, 130-150 HACKNEY RD. LONDON E.2. Tel: SHOredith 7654 (10 lines)
 BUILDING EXHIBITION • OLYMPIA • NOV. 18--DEC. 2 • See our Exhibit on STAND 100 ROW E

INS AND OUTS! (No5)



Drivers of the Potteries Motor Traction go in and out of their new garage at Hanley, with perfect ease. These Esavian doors slide and fold back leaving the entrance completely free for manoeuvring.

If you have a door problem, the experience of the Esavian organisation is entirely at your disposal.

Architect : William E. Gott

Building Exhibition

Visit our Stand
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THE **ESAVIAN** PRINCIPLE
 FOR DOORS, WINDOWS, PARTITIONS & FOLDING SCREENS

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interiors, together with refractory products which are used primarily for the gas carbonisation industry.

The firm: established in 1889, from an amalgamation of several firms which had been trading for about 100 years.

For technical information ask for: C. H. Smith.

Stand: designed by A. J. Norcliffe, A.R.I.B.A., A.M.I.STRUCT.E.

Address: Leeds House, Cavendish Place, London, W.1 [Tel.: LAN 3511].

New on the stand of G. A. HARVEY & CO. (LONDON) LTD. [G.150] is : a recently introduced manhole and cover for fitting to the company's hot water tanks. The main advantage of this design is that by preventing the thread of the bolts from coming into contact with water, there is no risk of corrosion. The company says that no hemp, red lead or other jointing material is needed for fixing the cover, as the India rubber ring, supplied with the tank, makes a swift seal.

Also new : chimney cowls specially designed for fitting to prefabricated houses.

Address: Greenwich Metal Works, London, S.E.7 [Tel.: Greenwich 3232].

On show on the stand of PEGLERS LTD. [E.102] are: "Prestex" compression joints for copper tubing. The joints are in an extended range from $\frac{1}{2}$ in. to 2 in. and are cheaper than the old type.

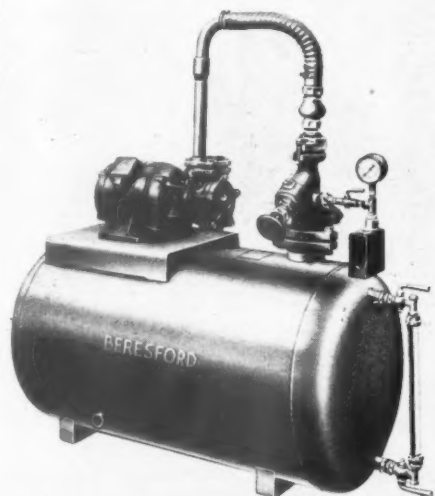
Also on show: full-bore "Prestex" traps for basins and sinks, self-closing bibcocks, and combination sink and bath mixers.

Address: Prestex House, Marshalsea Road, London, S.E.1 [Tel.: HOP 2461].

Exhibited on the stand of F. H. BOURNER & CO. (ENGINEERS) LTD. [NHG.567] is: the "Supatap" and the "Supadynamic" plug-driving gun. The firing of pins from the "Supadynamic" is demonstrated.

The firm : established in 1942 ; "Supataps" were first marketed in November, 1946. Since then 5 million have

Left, the "Beresford" automatic pressure water system (a simple and economical method of supplying the country home, farm or factory with a private water system, without using an overhead storage tank) (James Beresford & Son Ltd. Stand No. M.262-3.) Centre, the new 2-cu. ft. "Easiclone" refrigerator, available for operation by electricity, gas, bottled gas or kerosene (Stand No. H. 177 & J. 208). Right, British National Electrics new C. 51 electric cooker. (Stand No. X. 381-2).



been sold in world markets ; production figures were recently doubled to meet demand. A special range has been produced for Australian water undertakings. In this country, 147 municipal authorities now use "Supataps."

For technical information ask for : R. S. Vipan, the London manager ; the assistant sales manager ; or London technical representatives.

Address : Manor Royal, Crawley, Sussex [Tel. : Crawley 1312].

Exhibited on the stand of CONEX-TERNA LTD. [D.75] is: a full range of the firm's fittings for copper pipe and a selection of steam and water valves. Two types of joint can be seen—the "Conex Type A" compression joint for semi-hard copper tube, and "Conexel" joints and "Sofcop" adaptors for fully-annealed tube. The former is made in sizes from $\frac{1}{4}$ in. to 4 in. and on the firm's stand it can be seen being tested at abnormally high pressures (in the region of 5,500 lb./sq. in., i.e., over 50 times the normal pressure found in use). The fittings on show include stop valves, ball valves, bibtaps, etc.; "Fullway" gate valves, manufactured from hot pressings and, for high quality work, from gunmetal castings; steam valves, in sizes up to 2 in.

Address: Conex Works, Whitehall Road, Great Bridge, Tipton, Staffs.

Exhibited on the stand of B. FINCH & CO. LTD. [A.12-14] is: a display of the soil and waste fittings that have been developed by the company's research and development



division. The fittings are incorporated in specimen stacks to show their application.

Also on show: a demonstration fireplace showing flue construction and chimney throating using the Finch Chimney Throat Unit; the "Clofit" system of cloak-room fittings for school and industrial applications; a fully-equipped bathroom complete with wall tiling and decorative tiled floor, the sanitary fittings all being from the company's stock.

A separate section of the stand is devoted to "Unimer" tubular steel buildings—prefabricated structures with a framework of tubular steel

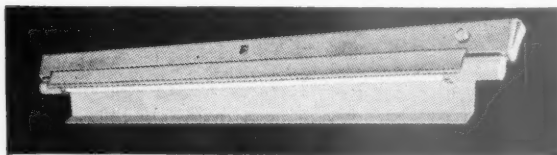
Address: Belvedere Works, Barkingside, Essex.

NEW LIGHT ON OLD SAYINGS:

Taking a dim view!

HOWEVER smart the window display, nobody's going to stop to look at it if it's not well lit. But there's no fear of that when Philips have been consulted about the lighting installations. For Philips have sixty years of specialised lighting experience — and a magnificent range of equipment which includes the perfect answer to every lighting need.

The Philips "Arden" fitting illustrated uses one Philips 5 ft. 80W. Fluorescent Lamp. Other suitable fittings are "Ashcroft" and "Aberford".



Consult
PHILIPS ELECTRICAL LTD.
on all lighting problems

Light Group, Century House, Shaftesbury Avenue, London, W.C.2

RADIO AND TELEVISION RECEIVERS • "PHILISHAVE" ELECTRIC DRY SHAVERS, ETC.



This Cistern successfully applies contemporary Industrial Design to Sanitary Engineering

THE LYNX' is available in high and low level models, capacities 2, 2½ and 3 gallons. In the glossy black Duranite finish there is a reversible side lever, a sensible and important feature that cuts out the need for duplicate stocks. The 'LYNX' is available also in WHITE and COLOURED ware. Fixing brackets are entirely concealed. The powerful flush syphon conforms to B.S.S. 1125 and to Water Works Specifications.

ShireS'LYNX'
PATD. AND REGD.

Specified by leading Authorities, the 'LYNX' Cistern is Patented, Registered and comprehensively guaranteed. It is made by the largest manufacturers of Moulded Cisterns in the Country, who also make W.C. Seats and Flush Pipes. Full details of all SHIRES productions are available from the Manufacturers (Division F).



SHIRES & CO. (LONDON) LTD., Greenbottom Works, Guiseley, Yorkshire



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Exhibited on the stand of THE YORKSHIRE COPPER WORKS LTD. [G.146] is: a large working model demonstrating the primary and secondary circulating systems from a gas-fired summer boiler and solid fuel-fired winter boiler, with supplementary hot water storage tanks, for domestic hot water services and heating supplies for large blocks of flats, hotels, offices and similar large buildings.

Also on show: large photographs and a sectional model showing the way in which "Yorcalon" (long-length) copper tubes can be laid underground by mole plough for the conveyance of water to outlying farms, villages and estates, etc. (These tubes, manufactured to B.S. 1386, can be laid by this method in a fraction of the time required to lay pipelines by manual trenching—they can be laid at an average speed of 100-150 ft. per minute); "Yorkshire" solid drawn copper w.c. connectors, designed to provide a neat and labour saving one-piece fitment between the outlet of the w.c. pan and the main soil stack; the full range of "Yorkshire" standard and high-duty fittings.

Address: Leeds.

Lighting

Exhibited on the stand of PHILIPS ELECTRICAL LTD. [R.320] are: floodlights suitable for use in connection with building work, and a new method of infra-red heating for workmen in static positions, or using hand-numbing machinery in cold weather.

Address: Century House, Shaftesbury Avenue, London, W.C.2 [Tel.: GER 7777].

New on the stand of THE EDISON SWAN ELECTRIC CO. LTD. [X.386] is: the "Unilux" 5-ft., 80-W., fluorescent single-lamp batten fitting—a low-priced unit incorporating a patent quick-fixing method.

Also on show: a fitting for two 5-ft., 80-W. fluorescent lamps; a cold-cathode lighting reflector, 10 ft. long, suitable for use with three or four standard 9 ft. 6 in. cold cathode fluorescent lighting tubes; a new colour-blending industrial lighting unit; a watertight box for housing the control gear for discharge lamps used out of doors; street lighting equipment; a full range of wiring accessories, including the "Avon" range of high quality slot switches and the "Windsor" range of 13-amp. rectangular-pin accessories for ring-main wiring.

Address: 155, Charing Cross Road, London, W.C.2.

Paint, and Other Decorative and Protective Finishes

New on the stand of SECOMASTIC LTD. [A.2-3] is: the "Galvafroid" cold galvanising process. This is applied by brush and the dried film contains from 92 to 95 per cent. of metallic zinc. The process is recommended for steel windows, structural steel, railings, rainwater goods, etc.



Also on show: various mastics and joint sealing compounds, as well as the caulking

guns with which they are applied. The firm also distributes the "Hortus" aluminium bar cap for commercial glass-house construction.

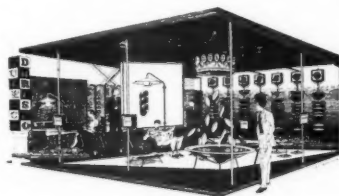
For technical information ask for: E. L. Townsend or E. W. Theobald.

Address: 15 Upper Grosvenor St., London, W. 1.

Exhibited on the stand of BERRY WIGGINS & CO. LTD. [GHG.416] are: samples showing the work carried out by the "Aquaseal" roofing service for waterproofing roofs, and the "Coldcoat" contract service for the maintenance and construction of paths and drives. Among the samples are "Tensulac" black bitumen paints, "Tensulac" aluminium paint, "Kingsnorth" glazing compound, "Chevron" oils for the brick and tile industries, and "Chevron Corton" compound for the lubrication of wire ropes and open gears.

Address: Field House, Brems Buildings, Fetter Lane, London, E.C.4 [Tel.: HOL 0941].

New on the stand of DURESCO PRODUCTS LTD. [L.239] are: the "Micoro" process for protecting metal, and a special metal primer "P.M.7." "Micoro" is a



metal paint said to be completely impervious to water penetration. The primer is based on an entirely new pigment incorporated in a linseed oil medium.

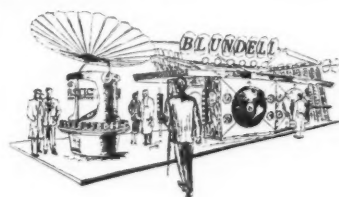
Also on show: Applications of "Duresco" water paint, "Silcolac"

hard gloss paint, "Duresco" enamel and stone paints.

The firm: founded in 1892 at Charlton. From water paints, its activities rapidly developed to the field of varnishes and oil paints, and since 1946 the company has pioneered the development of synthetic emulsion paints.

Address: Charlton, London, S.E.7 [Tel.: Greenwich 0034].

New on the stand of BLUNDELL, SPENCE & CO. LTD. [S.339-340] is: "Pammastic," a plastic emulsion paint available in 15 shades. Produced on a plasticized P.V.A.



base, "Pammastic" can be applied over new plaster, brickwork, cement, fibre building boards and asbestos sheeting without primers or undercoats. It can be used for exterior or interior decoration, and dries

in 2 hours. It is claimed that one coat is sufficient, except on the most contrasting surfaces.

Also on show: "Pammel," an alkyl gloss enamel, manufactured in 38 colours. Used extensively in hospitals, schools, public baths and dairies.

The firm: established in 1811 at Hull, by Henry Blundell and his partner William Spence, it has since then been exclusively engaged in making paints for the professional decorator and the building trade. Products now range from plastic emulsion coating to gloss enamels, flat and eggshell enamels, water paints, metal paints and varnishes.

For technical information ask for: W. L. Parkinson or C. E. Brix.

Address: 9 Upper Thames Street, London, E.C.4.

Available on the stand of the ZINC ALLOY RUST-PROOFING CO. LTD. [T.348] is: technical information on rustproofing by the Sherardising process. The firm treats all kinds of architectural ironwork by this process,

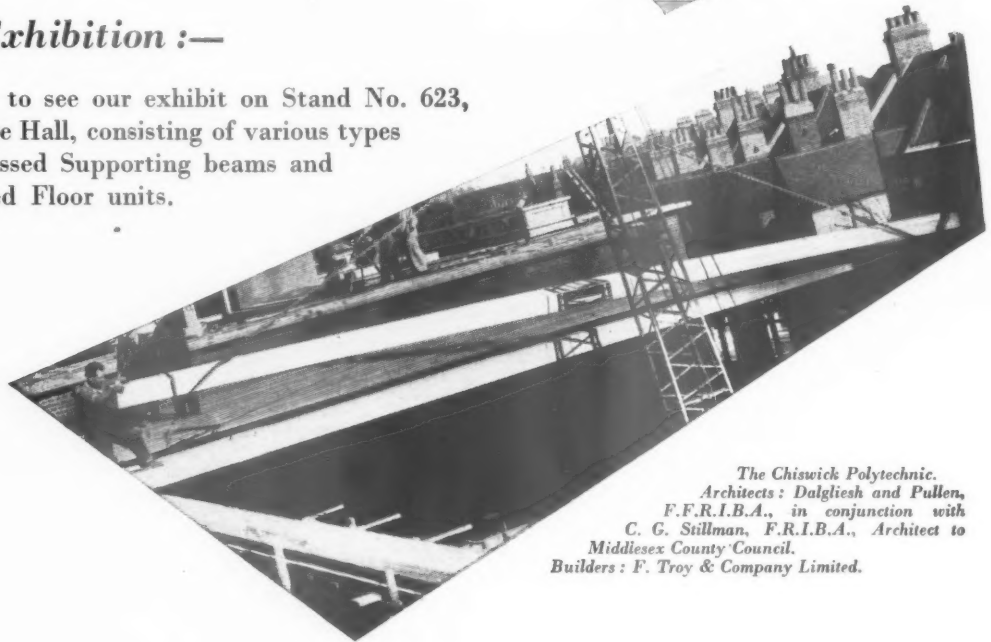
*The Queen's Gate Cottages, Windsor Great Park.
Architects: Sydney Tatchell, Son and Partners, F.F./A.R.I.B.A.
Builders: Y. J. Lovell & Son, Limited.*

Build with Bison . . .

The use of Bison Prestressed floors in the construction of Queen's Gate Cottages, Windsor Great Park, illustrates one of the many ways in which Bison may be economically employed . . . In contrast, the illustration below shows 42ft. Bison roof slabs being fixed at Chiswick Polytechnic Gymnasium . . . in prestressed or normal R.C., Bison is specified for many important building projects; none is too big, none too small.

Building Exhibition:—

You are invited to see our exhibit on Stand No. 623, 1st Floor, Empire Hall, consisting of various types of Bison Prestressed Supporting beams and Bison Prestressed Floor units.



*The Chiswick Polytechnic.
Architects: Dalglish and Pullen,
F.F.R.I.B.A., in conjunction with
C. G. Stillman, F.R.I.B.A., Architect to
Middlesex County Council.
Builders: F. Troy & Company Limited.*



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Lichfield,
Staffs.
Lichfield 2404

FALKIRK
Etna Road,
Falkirk
Falkirk 1585.

EDINBURGH
Sighthill,
Industrial Estate,
Edinburgh.
Craiglockhart 1729.

from steel casements to electrical conduit, door furniture, screws, nails, nuts and bolts, washers, gate fittings, etc.

Address: Shakespeare Street, Wolverhampton. Northern works, Crawford Street, Rochdale; Southern works, Minerva Road, London, N.W.10.

Exhibited on the stand of SILEXINE PAINTS LTD. [G.43] is: "Silexine" stone paint and plastic emulsion coating.



Address: Richford Street, Hammersmith, London, W.6.

Other paints shown include concrete floor paint, mica-ceous iron paint, machinery enamel, hard gloss, metal and wood primers, varnishes and alkali resisting primers.

The stand: designed by Barney Seale, F.R.B.S., R.B.A., F.R.S.A., the main feature is a totem pole, 22 ft. high, based on North American, African and Polynesian native carvings.

Address: Richford

New on the stand of TRETOL LTD. [K.230] is: the recently introduced "Silicone" waterproofer.



The firm: also produces materials for the protection of steelwork and the painting of asbestos cement and concrete; bituminous materials for damp-proofing; a number of materials for concrete hardening, water-

proofing, dust-proofing; and an anti-freeze mixture so that concreting and bricklaying may proceed in cold weather.

Address: 12, North End Road, London, N.W.11.

Exhibited on the stand of CHARLES TURNER & SON LTD. [F.131] are: emulsion and other paints and finishes of all kinds, including "Sunglynt" and Glynto" enamel, "Bloomsbury" gloss paint, "Charterstone" liquid stone paint, "Anti-Rugini" rust-proofing paint and "Charter" aluminium wood primer.

The firm: established in 1821.

Address: Bloomsbury House, 165 High Holborn, London, W.C.1. Works, Silvertown, London, E.16, and High Blantyre, Scotland.

Exhibited on the stand of JENSON & NICHOLSON LTD. [R.329] are: samples of the 999 tints and shades of "Robbialac" paint, produced by adding tube "colourants" to white or grey base paints. Four large panels demonstrate the four finishes available—enamel, eggshell enamel, suede and undercoat.

Address: 36, St. James's Street, London, S.W.1 [Tel.: REG 6060].

New on the stand of GOODLASS, WALL & CO. LTD. [GHG. 492-494] is: "Combinol" hard gloss paint, claimed to dry in 8 hours. It gives a "coach" finish and, with its undercoating, covers dark surfaces in two coats.

Also on show: panels showing the firm's up-to-date colour ranges; recommended painting specifications, shown graphically, including one for "Goodlass Stop-Rust"

lead paint—a rust-inhibiting priming paint manufactured in pale shades.

Address: Wellington Buildings, Liverpool, 2. London branch, 179-185 Great Portland Street, W.1. Branches at Manchester, Birmingham, Newcastle-on-Tyne, Glasgow, Cardiff, Douglas, I.O.M., Nottingham, Old Colwyn.

Builders' Plant, Scaffolding, Reinforcement, Fixing Devices, etc.

Exhibited on the stand of THE RAWLPLUG COMPANY LTD. [L.242] are: fixing devices of all kinds, from the $\frac{1}{8}$ -in. "Rawlplug" to the 1-in. size, which will hold 4 tons.

Also on show: "Durium" hard-tipped drills for use on brick, masonry, tiles and similar materials; a drill-hammer which converts the ordinary $\frac{1}{2}$ -in. electric drill into a power hammer, and a demonstration of some of the firm's other fittings, such as "Rawlties" "Rawloops" and "Rawlhangers," used for fixing timber and metal shuttering.

Address: Rawlplug House, Cromwell Road, London, S.W.7.

Exhibited on the stand of THE EXPANDED METAL COMPANY LTD. [E.95] are: six methods of constructing concrete floors, using expanded metal lathing. The stand's roof consists of patented barrel vault roof shuttering, using "Ribmet" as permanent centering and reinforcement, supported on a framework of tubular steel.

For technical information ask for: E. J. Flight or R. H. Owens.

Address: Burwood House, Caxton Street, London, S.W.1 [Tel.: ABB 3933].

Exhibited on the stand of KWIKFORM LTD. [F.119 and 120] are: scaffolding components, and the firm's latest type of light dumper, which has a diesel fuel consumption of only one pint per hour.

Address: Waterloo Road, Birmingham [Tel.: Acocks Green 1152]. London office, 66 Victoria Street, S.W.1 [Tel.: VIC 8915].

Exhibited on the stand of SCAFFOLDING (GREAT BRITAIN) LTD. [F.126-127] is: the work of the firm's Welded Structures Division.

Also on show: travelling cradles, various forms of shuttering (the firm pioneered the use of tubular steel scaffolding in this country), adjustable props and other builders' plant.

The stand: as at the 1951 Exhibition, there is a staircase from the main hall to the gallery.

Address: Mitcham, Surrey.

New on the stand of ACROW [Engineers] LTD. [E.107-9] is: the Acrow "Wallform"—a patented system of wall shuttering.

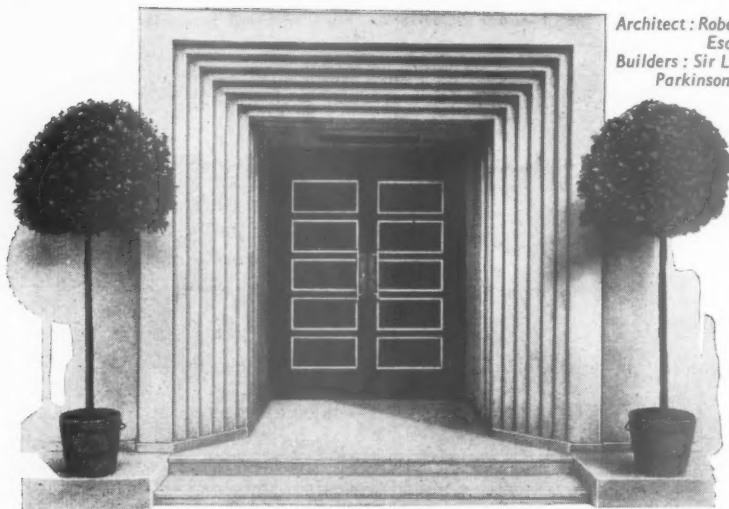
Also on show: a demonstration of the speed with which Acrow "All Purpose Scaffolding" can be erected; a demonstration of a power-operated bar bender for reinforcing rods; a general display of builders' plant and equipment.

Address: South Wharf, London, W.2 [AMB 3456]. Branches at Birmingham, Bristol, Edinburgh, Glasgow, Leeds, Manchester.

making an entrance . . .

The entrance is the first feature of a building to meet your eye. And a lot can depend on that initial impression. Here is a case in point—the entrance to Broadwalk Court, The Mall, Kensington. What visitor could fail to be attracted by its magnificent “Royal” doors and frames? Made from polished Honduras mahogany, they have been a constant reminder of the skill and experience of Southern’s craftsmen for the past fifteen years. Other well-known brands of Southern’s Doors are “Sasco”, “Marvelite” and, of course, the world-famous “Royal Flush” Doors.

“Sasco” Doors are priced to suit your housing scheme.



Architect: Robert Atkinson,
Esq., F.R.I.B.A.
Builders: Sir Lindsay
Parkinson & Co., Ltd.

SOUTHERNS
LIMITED

HEAD OFFICE: BOLD SAW MILLS, WIDNES

BRANCHES AT: MANCHESTER, DUDLEY, LONDON, GLASGOW, HANLEY, BRISTOL AND KETTERING

New on the stand of RAPID METAL DEVELOPMENTS LTD. [F.114-5] is : a square-edge road form designed for use particularly on granolithic floors, where a sharp arris is required.

Also on show : applications of Rapid Metal formwork and allied equipment for various types of concrete construction, including "climbing" shuttering (both double-face and cantilever types); flexible panels for circular work; adjustable centering girders and props; and trench props.

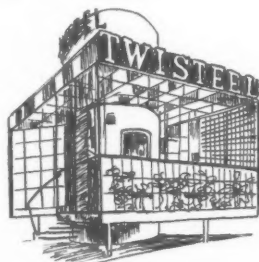
Address : 209, Walsall Road, Birmingham, 22B.

New on the stand of THE PYRENE COMPANY, LTD. [GHG.497-9] is : the "Phomene" Light Concrete Process—a simple method of making aerated concrete of various densities.

Also new is : "Phomene" Mortar Plasticizer—a material which helps to make lean mixes of bricklaying and rendering mortar smooth, "fatty" and easy to spread. When the plasticizer is used, a 6 : 1 sand-cement ratio can be used for rendering and general bricklaying work, and even leaner mixes can be used for jointing between concrete blocks.

Address : 9, Grosvenor Gardens, London, S.W.1 [Tel. : VIC 3401-2].

On the stand of TWISTEEL REINFORCEMENT LTD. [D.80] are: examples of "Wireweld" reinforcing steel fabrics and "Gridweld" fabrics, for engineering purposes and fencing. These small mesh fabrics can be used for industrial purposes e.g., for pallets, crates, racking, etc., and for architectural purposes, such as for the infilling to balcony railings, lift shafts, banisters, etc.



Also on show: photographs of reinforced concrete work, including shell concrete roofs, for which "Twisteel" reinforcement was used.

The stand : designed by Noel Moffett, B.A.R.C.H., A.R.I.B.A., A.M.T.P.I.

Address : 43 Upper Grosvenor St., London, W.1. [Tel. : GRO 1216].

Exhibited on the stand of B.S.A. CYCLES LTD. [NHG.542] is: a range of industrial power units, available for operation on petrol, vaporizing oil or kerosene fuel, and in 120 c.c., 220 c.c., 320 c.c. and 420 c.c. capacities, suitable for operating concrete mixers, dumpers, pumps, elevators, tampactors, and other building equipment.

Also on show: the B.S.A. 12-v., 500-W., D.C. portable generating set.

Address : Birmingham, 11.

Miscellaneous

Exhibited on the stand of NEVASTANE PRODUCTS (HORNSEY) LTD. [N.274] are: examples of the firm's kitchen equipment, in standard and luxury ranges, including corner cupboards with revolving shelves for easy access, sink units, table units, etc. Shelves are adjustable in height and work-tops are covered with "Formica" plastic sheeting.

Address : 201 Hornsey Road, London, N.7 [Tel. : ARC 2336 and 4562].

Exhibited on the stand of PENFOLD FENCING & ENGINEERING LTD. [C.44] are: samples of chain-link fencing in various heights, meshes and gauges, and gates (tubular and angle-framed, and single and double leaf).

The firm : specializes in manufacturing and erecting chain-link fencing for housing sites, schools, hospitals, industrial buildings, airfields, etc.

Address : Imperial Works, Watford [Tel. : Watford 2241]

Exhibited on the stand of RHODES CHAINS LTD. [J.193] are: the firm's sash chains, pulleys, builder's ironmongery and brassfoundry, together with a wide range of chains for all purposes.

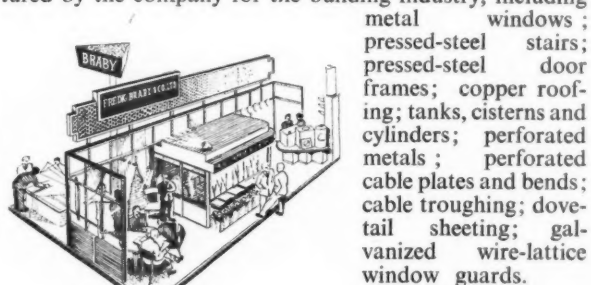
Address : Beacon House, Kingsway, London, W.C.2 [Tel. : CHA 8135]. Works, Birmingham.

Exhibited on the stand of ENGLISH CLOCK SYSTEMS LTD. [G.155] is: a selection of commercial and industrial clocks and time recorders, operated and controlled by a Smiths Pendulum Master Clock, which is independent of A.C. supply and not, therefore, affected by power cuts.

Also on show: time switches for controlling shop window lighting.

Address : 179, Great Portland St., London, W.1 [Tel. : LAN 7226].

Exhibited on the stand of F. BRABY & CO. LTD. [K.229] are: a selection from the wide range of products manufactured by the company for the building industry, including



metal windows; pressed-steel stairs; pressed-steel door frames; copper roofing; tanks, cisterns and cylinders; perforated metals; perforated cable plates and bends; cable troughing; dove-tail sheeting; galvanized wire-lattice window guards.

The stand : has an office constructed of the firm's "Bar-Form" metal partitioning.

Address : 352-364, Euston Road, London, N.W.1. Branches at Deptford, Liverpool, Glasgow, Bristol, Belfast, Plymouth, Falkirk, Motherwell.

Exhibited on the stand of LOFT LADDERS LTD. [GHG.495] are : the firm's aluminium-alloy loft ladders and models of fire escapes.

The firm : has been manufacturing these products for 30 years.

Address : Broadway Works, Bromley, Kent [Tel. : RAV 2624].

New on the stand of A. J. BINNS LTD. [M.262/263] is: a new type of "Binnlock" protective fencing, designed primarily for municipal work and housing schemes.

Also on show: examples of patent all-welded cloakroom equipment, such as hat and coat hooks with secret fixings, for schools and factories; "Dryad" architectural ironmongery (locks, springs, kicking plates and window fittings), including several new designs; various types of chain-link fencing; tubular and angle-frame gates.

Address : 29, Store Street, London, W.C.1. [Tel. : MUS 5802.] North-western office, Cunard Buildings, Liverpool, 3.

Don't lay floors that harbour dust...

lay *MARLEY* floors instead

There's nothing like-MARLEY



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The Marley Tile Company Ltd., London Road, Riverhead, Sevenoaks, Kent. Telephone : Sevenoaks 2251
Scotland: Bishopbriggs 1093. Wales: Pencoed 376. N. Ireland: Belfast 24447. Eire: Dublin 51794

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Exhibited on the stand of HILGER & WATTS LTD. [NHG.553] is: the "Cowley" level, a portable automatic level claimed to be accurate to less than $\frac{1}{4}$ in. at 100 ft. and able to be set up in less than 2 minutes, by more-or-less unskilled labour.

Also on show: Watt's other surveying and builders' levels.
Address: 48, Addington Square, Camberwell, London, S.E.5 [Tel.: Rodney 5441].

Exhibited on the stand of BRITISH HERMESEAL LTD. [EMG.648] are: draught exclusion devices for windows and doors, and systems of roof insulation. The firm points out that leakages of air through the cracks around windows and doors account for a high proportion of heat loss from buildings and that their devices can play a big part in saving fuel.

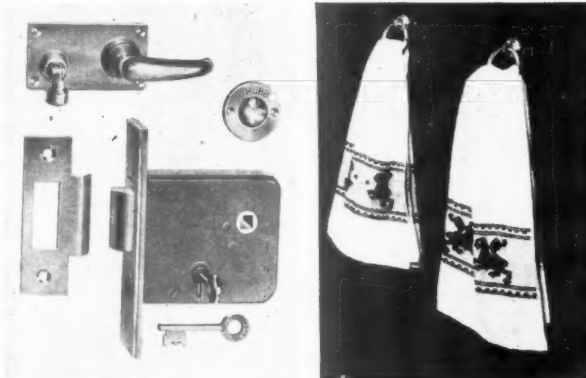
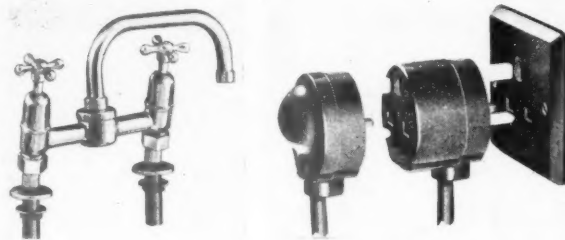
Address: 4 Park Lane, London, W.1 [Tel.: GRO 4324].

Exhibited on the stand of IMPERIAL CHEMICAL INDUSTRIES LTD. [D.86-87] are: products of the firm's Metals Division and Plastics Division, including, from the

MISCELLANEOUS—(1) the "Pretext" dual-flow swivel nozzle sink fitting, for use on direct mains (Peglers Ltd. Stand No. E.102). (2) the "Ediswan" rectangular-pin fused and shuttered plug, with the "Windsor" 13-amp. flush socket outlet (The Edison Swan Electric Co. Ltd. Stand No. X.386). (3) one of Froy's new "contemporary" fireplaces in a setting of Heal's furniture (W. N. Froy & Sons Ltd. Stand No. Q.304-5). (4) a patent locking latch for front doors, by Chubb & Son's Lock & Safe Co. Ltd. (Stand No. A.8). (5) chromium plated "towel rings" by W. N. Froy & Sons Ltd. (Stand No. Q.304-5). (6) a new type of lever handle by The Dryad Metal Works Ltd. The spindle is fixed to one handle and threaded: a malleable iron disc, covered by the rose of the other handle, is threaded on (to take any door thickness) and anchored by four screws to stop it turning. The second handle is screwed to the iron disc. (Patents applied for.) The fitting can be seen on the stand of A. J. Binns Ltd. (M.262-263). (7) Crittall's locking device for standard metal windows and night ventilators (Stand No. E.98).

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former, "Kuterlon" long-length copper tubing for underground water and gas services and panel heating; copper strip for expansion joints; bronze architrave and handrail sections; "Kudampro" copper damp-course strip; "Terrabond" brass and aluminium alloy serrated strip for terrazzo flooring; the "Kynalok" secret-fixing system; aluminium alloy strip, plain and corrugated sheet, scaffold tubes and planks; "Kynal" tread and chequer plates, and lead sheet and pipe. And from the Plastics Division, are shown various forms of P.V.C., including "Darvic" rigid P.V.C. sheet for panelling and facing and "Darvic" lighting fittings. "Perspex" is shown in the form of flat sheet, corrugated sheet and curved corrugated sheet; lantern domes for flat roofs and lighting fittings.

Also on show: "Alkathene" tube, "Alkathene" foil, for use as an anti-corrosive barrier in cement and brick factory flooring, nylon decorators' brushes, and accessories made from I.C.I.'s "P.F." and "U.F." moulding powders.

Address: Imperial Chemicals House, Millbank, London, S.W.1 [VIC 4444].

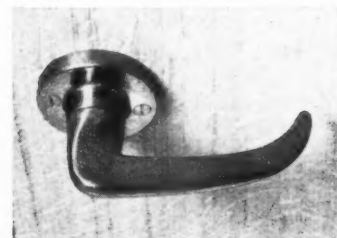
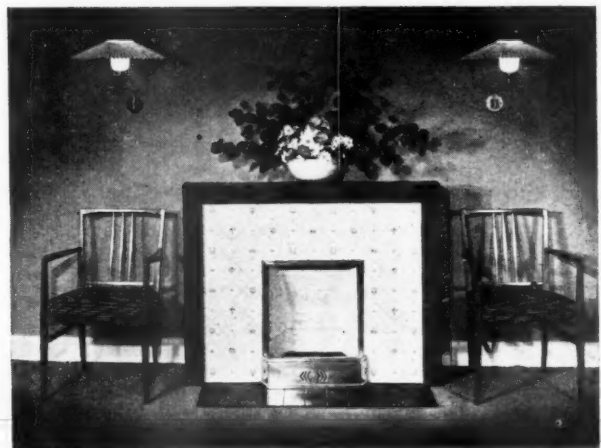
New on the stand of THE ARCHITECTURAL PRESS [T.355] are: several important new books just published by the Press, including *Architects' Working Details*, edited by D. A. C. A. Boyne, 21s.; *The New Small House*, by F. R. S. Yorke and Penelope Whiting, an illustrated survey of some of the most interesting post-war 25s.; *Modern Gardens*, by Peter Shephard, a lavishly produced book dealing with contemporary garden design throughout the world, 36s.; *The City of Man*, by Christopher Tunnard, a major, scholarly work on the subject of urban design and planning, 50s.

Also on show: all the current Architectural Press books and periodicals.

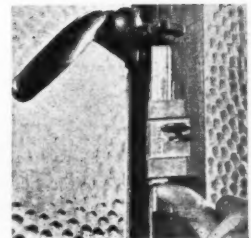
The stand: designed by The Dewar-Mills Associates; an interesting feature is a laminated plastic panel which reproduces in permanent form Gordon Cullen's perspective sketch of the firm's offices in Queen Anne's Gate. (See illustration on p. 620.)

Address: 9-13 Queen Anne's Gate, London, S.W.1 Tel.: WHI 0611].

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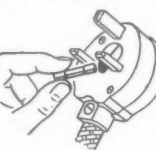
To re-fuse, simply insert sixpenny piece into screw-head and give 1/4-turn.

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Out drops spent fuse. Slot now clear for immediate replacement.

3



Insert new fuse and lock by re-turning screw.

Re-fused in 15 seconds without dismantling

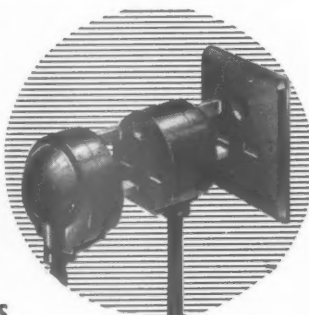
Re-fusing is quick and simple with the Edison Swan rectangular pin plug and plug adaptor. The adaptor is wired to an appliance in place of a normal plug. A second appliance can then be fed from the adaptor outlet.

EDISWAN

RANGE OF ELECTRICAL ACCESSORIES

A catalogue and price list of the complete range of Edison Swan electrical accessories is available on request.

THE EDISON SWAN ELECTRIC COMPANY LIMITED
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As on previous occasions, the exhibits of ministries, government departments, and other official organizations are among the most interesting to be seen at Olympia. Several of them are described below; the stand of the Department of Scientific and Industrial Research, including the BRS exhibits, perhaps the most interesting of all the 600 stands, will be described in detail in the JOURNAL for Dec. 3.

THE BUILDING EXHIBITION

Official Exhibits

THE NFBTE [GHG. 478, 480 & 482]

The stand of the National Federation of Building Trades Employers has been designed by Kenneth J. Lindy, F.R.I.B.A., to indicate the services offered to members and also the service its members offer to the public.

The central feature of the stand is a paper sculpture model executed by Frank BaracloUGH symbolizing the theme "Building is Team Work," and emphasizing the need for close co-operation, from the earliest stages, between all engaged in a building project, including the building owner, the architect, the builder and the building operative. Supplementing this model is a diagram showing the different professions and trades associated with the Federation in its consultative and advisory work, together with the various government departments on whose committees representatives of the Federation serve.

The Federation believes that "adequate representation of the building industry in its consultations with government departments and professional bodies cannot be achieved without strong support from within the industry itself," and there is featured on the stand a map of England and Wales showing the locations of the headquarters of each of the ten regional federations affiliated to the NFBTE and of the regions' local associations.

To reflect the increased activity in the field of private enterprise housing, the Federation's stand includes a feature drawing attention to the work of the National House-Builders' Registration Council. A group of models made by Gerald Shenstone and Partners, F./F.R.I.B.A., indicates the five different stages at which inspection of a house is

carried out under the Council's registration scheme.

Other features on the stand illustrate the size and importance of building contracts carried out overseas by British firms; details of the Federation's prize scheme for building apprentices and students; the important place held by the building industry in the national economy; and the impact of scientific research on modern building methods and techniques.

THE GAS COUNCIL [P. 300]

The theme of the Gas Council's stand is "the complete fuel service which the gas industry can give in the modern home." On the stand are models and plans of housing development throughout Great Britain, including housing in the new towns, on large estates and flat development, together with particulars of ancillary buildings, such as community centres, schools and communal laundries.

It should be remembered that when tenants of the new dwellings are given a free choice, roughly four out of every five choose gas for cooking. Taking all households in the country, old and new, it has been estimated in official reports that three-quarters of the country's housewives cook by gas.

Exhibits on the Council's stand will show the use of gas for laundering, water-heating, space-heating and refrigeration, and the use of coke in open fires and continuous burning stoves. Emphasis has been placed on the improvements in the design and performance of appliances which have made possible

considerable economies in the consumption of both fuels, and on the saving in labour and the thermal efficiency which the use of gas and coke can achieve.

THE COAL UTILISATION COUNCIL [M. 260]

Fuel economy is also the theme of the Coal Utilisation Council's stand, which has exhibited on it 14 modern solid-fuel appliances, of which four are demonstrated alight. The stand has been designed with the object of emphasizing the need for the correct selection of appliances and proper installation. The Council states that the majority of complaints they receive about modern solid-fuel domestic equipment are the result of either the selection of an appliance which is not capable of providing the service required or of faulty installations.

As part of the first objective of guiding architects and builders on the selection of the right type of appliance, the Council is displaying, therefore, several different types of appliance, including a free-standing openable fire, a continuous burning convector fire, a continuous burning open fire with back boiler, a free-standing openable stove, a side-oven combination grate and four independent boilers of various sizes.

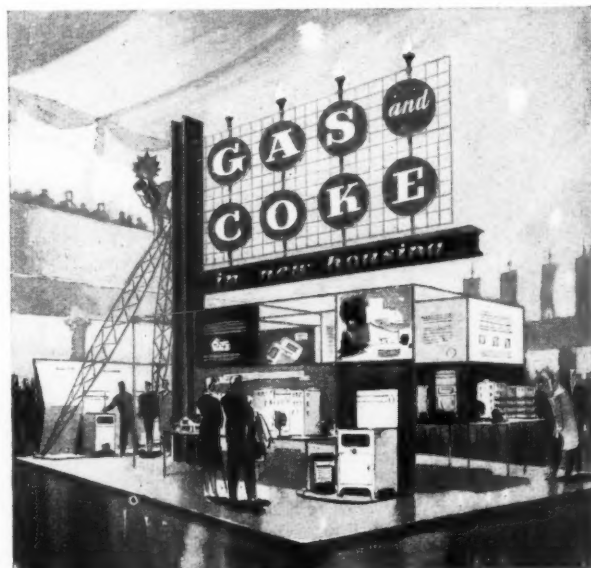
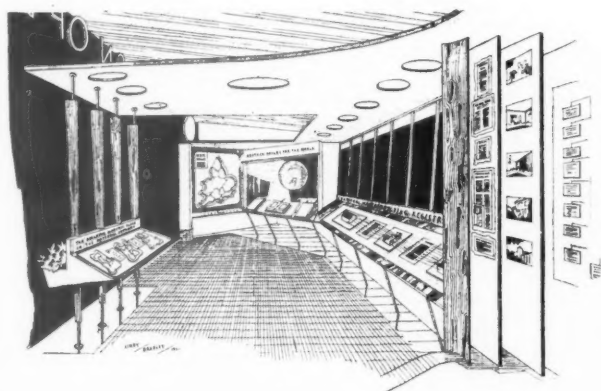
The free-standing open fire is considered by the Council as a development of considerable importance; in addition to its high efficiency, installation is simple, since the appliance is designed to stand in a wide tiled recess, thus dispensing with the normal full breast work and surround. It has the advantage, moreover, that the occupier can take it with him to another house.

BEDA [E.103/104]

The principal display on the British Electrical Development Association's stands (E.103/104) deals with electrical installations in houses and flats. There is a relief model of the ground floor of a house, showing the use of the ring-main circuit, in which a number of 13-amp. plugs and sockets are connected in a ring circuit. Each plug contains a fuse, so that any fault occurring in an appliance connected to a plug affects only that particular plug. A giant model in Perspex of a 13-amp. plug and socket shows the special features of this type of fitting.

Display material, accompanied by cut-away hot water tanks, draws attention to the

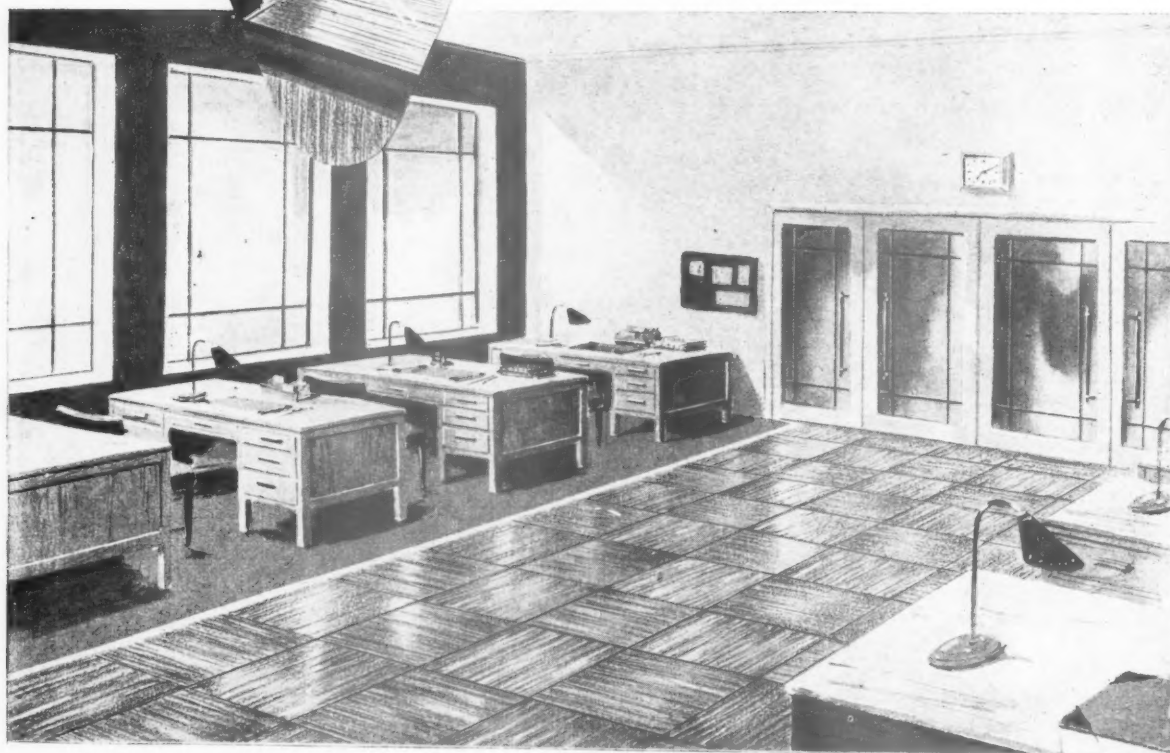
Below, the interior of the NFBTE stand (designed by Kenneth Lindy); right, the Gas Council stand (designed by the Council's Exhibition Dept.)





After years of experiment, when Linoleum was in short supply, architects, to-day, are re-discovering the functional beauty of this versatile floor covering. Where traffic is heavy, particularly in business establishments, Linoleum's long life, quietness of tread, resistance to wear are factors of paramount importance. To the architect, whether he specialises in period or modern design, Linoleum with its vast range of colours and patterns provides him with a medium that places no limit on his creative expression.

Nothing takes the place of LINOLEUM



For good looks and long life plan for

LINOLEUM



"THELMA" stands for The Linoleum Manufacturers' Association, 127 Victoria Street, London, S.W.1.
For further information write to the Association or to any of the following members:—

BARRY OSTLER & SHEPHERD LTD., KIRKCALDY · DUNDEE LINOLEUM CO. LTD., DUNDEE · LINOLEUM MANUFACTURING CO. LTD.,
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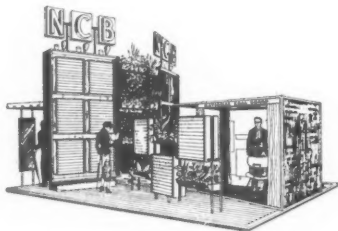
need for adequate lagging of the hot-water storage tank of an electric water heating system. Starting with an unlagged 30-gallon tank, which it is stated wastes 342 gallons of hot water per week, it is shown that the same tank lagged 3-in. thick on all sides reduces wastage to only 27 gallons per week, thus saving 83 units of electricity.

Two panels on the stand show modern kitchen layouts, indicating the proper arrangement of the cooker, refrigerator, water heater and other electrical appliances. Another panel shows the correct sizes of pipes to use for the electric water heating system of a typical modern house. And other displays show a range of electric light fittings, fires and other appliances suitable for bedrooms and living rooms.

THE NATIONAL COAL BOARD [E.110]

Although mining coal is, of course, the National Coal Board's main job, it is also the second largest manufacturer of bricks in the country, with 77 brickworks and an output (last year) of over 500 million bricks per year.

The Board's stand, designed by Cecil C. Handyside, A.R.I.B.A., has as its main exhibit examples of the many types of



common, facing and engineering bricks manufactured at the Board's brickworks. Many of these bricks, which are made chiefly from colliery shale, surface clay, or a mixture of both, are widely known in various parts of the country and have been used for all kinds of building and civil engineering work.

Information is available on the stand about salt-glazed stoneware from the Newbold pipeworks in the East Midlands and salt-glazed fireclay ware from Scotland—including ranges of pipes and other fittings. And there are displays of various by-products from the NCB's Caerphilly distillation plant which are widely used in the building industry. These products include "Synthaprufe"—a liquid waterproofing and jointing material; "Presomet"—a high-grade bituminous paint, which dries quickly to provide a glossy durable surface; "Presotim"—a wood preservative and stain, in browns and other colours, which provides preservation and decoration in one process; and "Synthacold"—a dressing for paths and drives which is brushed on cold.

THE FEDERATION OF MASTER BUILDERS [CHG.432]

As on each of the previous occasions since the war, the Federation of Master Builders again welcomes members and visitors to its stand (GHG.432), which is designed as a reception room, an information centre and a meeting-place, where matters of interest to the industry and to allied trades can be discussed.

The regional secretaries of the Federation from each of the principal areas throughout the UK are attending the whole fortnight of the exhibition, while London members and the Federation's staff will be constantly at the service of visitors

INFORMATION CENTRE

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

18.139 construction: theory STEELWORK DESIGN

Strengthening of Steel Structures under Load. T. P. O'Sullivan. (Journal of ICE, Part I, Jan., 1953. p. 76-95.)

Description of full-scale tests carried out on structural members strengthened to carry extra load.

It is sometimes necessary to strengthen structures which are called upon to carry loads in addition to those for which they were designed. At first sight, it would appear that, since a tie or strut in a structural frame is stressed to a certain value by the dead load, additional strengthening steel can only be stressed to the difference between that value and the maximum allowable stress to cater for the live loads. The introduction of material working at only, say, 4 ton/sq. in., instead of 9 ton/sq. in., obviously introduces excess material, and the alternative of first releasing the stress from the old member before introducing the new member at 9 ton/sq. in. is often costly and may not even be possible.

Dr. O'Sullivan discusses the position at the Brabazon Assembly Hall, where strengthening of the 341-ft. span frame became necessary. His theory was that the composite member could not yield until the strengthening material had itself yielded. Testing equipment capable of applying 1,250 tons load to members of 50 ft. length was made available by Dorman, Long and a series of tests were carried out. These confirmed that the load at effective yield, in either of tension or compression units, is substantially the same whether the member is strengthened when unstressed or at working load. The strengthening material can be added by either bolting, riveting or welding. This is a very interesting result and anyone concerned with strengthening steel structures should read this paper.

THE RIBA CONTRACT

An Annotation & Guide *

(Reviewed by Specialist Editor No. 11.)

The standard form of building contract referred to in this book is that familiarly known as the RIBA form of contract. This contract has been adapted for use by local authorities, the adaptations being made from the form for private use. The principles in both forms are the same, but clauses are included in the local authorities form which are required in their contracts such as the "fair wages" clause. This annotation of the local authorities form is arranged in a convenient way, with general remarks following each clause, and with detailed reference to words and phrases. Law cases applicable to each clause are referred to.

The authors of the form of contract would not claim perfection for the document, and it is not surprising that four gentlemen

learned in the law can point out, in this annotation, words and phrases which are not clear to the legal mind, and which may give rise to disputes.

In construing a document, what matters is not what the parties may have meant to say but what they have, in fact, said. In the form of contract where quantities do not form part of the contract, a schedule of rates is referred to for the purpose of valuing variations under clause 9. It is said in the annotation that the schedule is not a contract document. As clause 9 clearly states that variations are to be valued on the basis of the schedule of rates, it would have been kinder if the authors of the annotation had explained the use to which the schedule can be put contractually.

It would appear to the lay mind that the parties have said what they meant to say, and in practice the schedule is, in fact, used in the way laid down in clause 9.

Revisions to the form of contract are made from time to time, and it may well be that the doubts raised in the annotation as to the intention of the parties should be resolved. Disputes arise from many causes, but nobody wants a contract that is capable of being construed in two ways. From this point of view, the value of the annotation is apparent, but it is also a book that should be in every practising architect's office.

The administration of the RIBA contract calls for clarity and a study of the annotation will show how the architect should act in carrying out his duties under the contract. Any disputes arising out of the use of the contract may be referred to arbitration, but in many cases the task of the arbitrator would be considerably lightened if there was less ambiguity in the decisions and instruction given by architects. For example, dates are of great importance, particularly in connection with "completion" and extensions of time. That such extensions can be made after the work is completed is clearly shown, and the law case which construed clause 18 is explained.

The RIBA form of contract is well known in the building industry, but a study of this annotation will lead to a better understanding of the document and may, thereby, lessen the number of disputes. It is commended to all architects—those just commencing to practice and those of greater experience.

* *The Standard Form of Building Contract, an Annotation and Guide.* Derek Walker-Smith, B.A., M.P., Barrister-at-Law, and Howard A. Close, M.A., Solicitor of the Supreme Court, in collaboration with Michael Chavasse, B.A., and F. O. Iayne, M.A., Barrister-at-Law. 202 pp.; 11 pp. index; 11 blank pp. for notes. (Charles Knight & Co., Ltd. 1953. 37s. 6d.)



THE LIBRARY
OF
INFORMATION
SHEETS

42.K1. REFERENCE BACK

Readers are asked to note the following revision and to amend their copies of the Information Sheet in question: *Reverse of Sheet*—In the first paragraph delete the last sentence commencing "The heavy duty model..." Under heading "Operation" and sub-heading "Light Control" add "At night artificial light is reflected back into the room."

CANCELLATION

Sheet 29.H1 has been cancelled and should be withdrawn from the Library. It will be re-published on Nov. 26, 1953.

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

ENQUIRY FORM

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

Please ask manufacturers to send further particulars to:—

NAME.....

PROFESSION or TRADE.....

ADDRESS.....

19.11.53

Announcements

Derrick and Norah Rigby Childs, A./A.R.I.B.A., A.M.T.P.I., have removed their practice to 33, Welbeck Street, W.1., to which address all correspondence should now be sent (Tel.: Welbeck 1681-2).

H. Lynch-Robinson, DIP.ARCH., A.R.I.B.A., M.R.I.A.I., has taken Robert McKinstry, B.A.R.C.H.(L'POOL), A.R.I.B.A., into partnership and the practice will continue under the style of Lynch-Robinson & McKinstry at 7, May Street, Belfast (Tel.: Belfast 27712).

Frederick E. Wilkins, L.R.I.B.A., has moved to 460A, Fore Street, Edmonton, N.9, where he will be pleased to receive trade catalogues (Tel.: Edmonton 7318).

Stanley Griffiths & Partners (Robert Cairn, F.I.A.S., and W. B. Hepburn, A.R.I.C.S.) have taken into partnership E. A. Ramagge, A.R.I.C.S. The practice, at 36, Victoria Street, S.W.1, will carry on under the same style as previously (Tel.: Abbey 3346 and 4740).

Max Lock & Associates, F./A.R.I.B.A., have removed their Bedford office to 5A, Harpur Street, (Tel.: Bedford 5197).

British Insulated Callender's Cables Ltd. announce that from Monday, November 23, the address of their Bristol Branch will be 7-9, Barton Street, Bristol (Tel.: Bristol 23453-4).

William E. Barnes, A.R.I.B.A., is now in private practice at 320, Norton Way South, Letchworth, Herts., where he will be pleased to receive trade catalogues, etc. (Tel.: Letchworth 1729).

Smith & Walton Ltd., makers of varnishes, enamels and paints have opened two new depots at Hadrian House, Hoyle Street, Sheffield 3 (Tel.: Sheffield 28047) and 12/14, Parade Mews, West Norwood, S.E.27, where stocks of all Hadrian paints and Synflat are available.

The West of England offices of Horsley, Smith & Co. have moved to 13, Dowry Square, Bristol, 8 (Tel.: Bristol 27564/5). R. N. Hobson has been appointed area manager.

Northern Aluminium Company, Ltd. announce the following changes in their sales department: F. Layton is to take charge of the sales administration department at Banbury, being succeeded as manager of the Leeds area sales office by H. M. Louch. Mr. Louch's previous position as sales development manager is to be held by E. D. Illiff, at present publicity manager, and the publicity division will be in the charge of R. F. Tayler.

Stramit Boards Ltd. have appointed Messrs. Alexander Ross & Co. of 44, York Street, Glasgow, C.2, as agents for their products in Scotland.

An Association of Plastic Cable Makers has recently been formed to promote and advance the interests of the industry and to establish standards of quality for plastic cables.

G. W. Robertson, formerly sales manager of Solignum Ltd., has been appointed a director of the company.

P. W. Farley, late managing director of Ragusa Asphalte Paving Co. Ltd., has joined Highways Construction Ltd.

As from January, *Light and Lighting* will be double its present size.

Correction

The Working Detail in the A.J. for November 5, dealing with lighting standards, omitted to mention that Messrs Benjamin Electric Ltd. were responsible for the lighting standards on the South Bank.

It is regretted that in the JOURNAL for October 22 (p. 515) we referred to Professor Sir Alfred Egerton, Ph.D., D.Sc., F.R.S., as Mr. Egerton.

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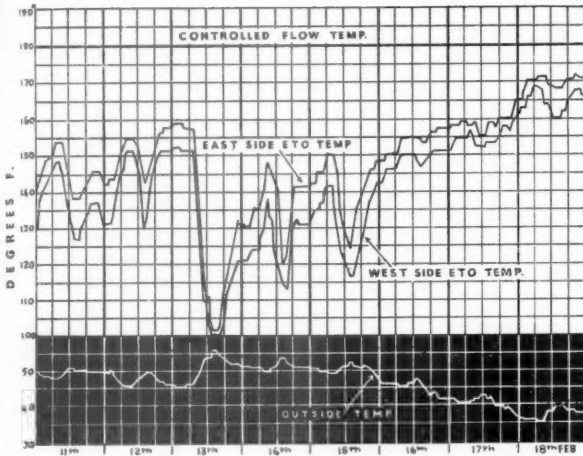
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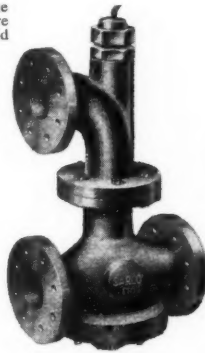
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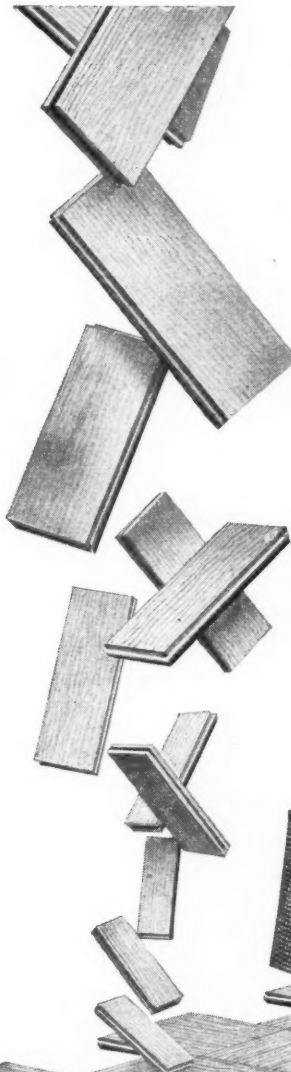
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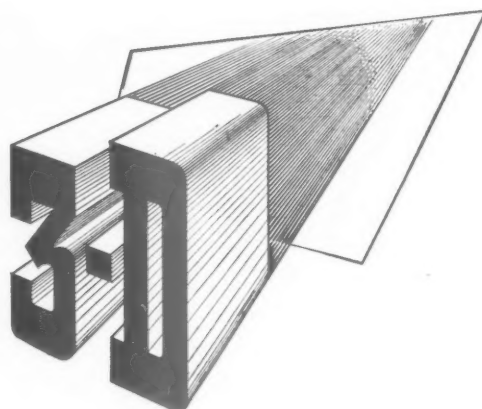
STAND G.156

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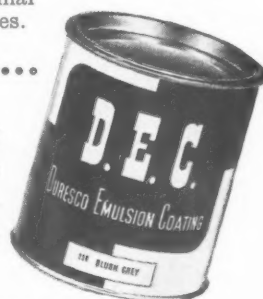
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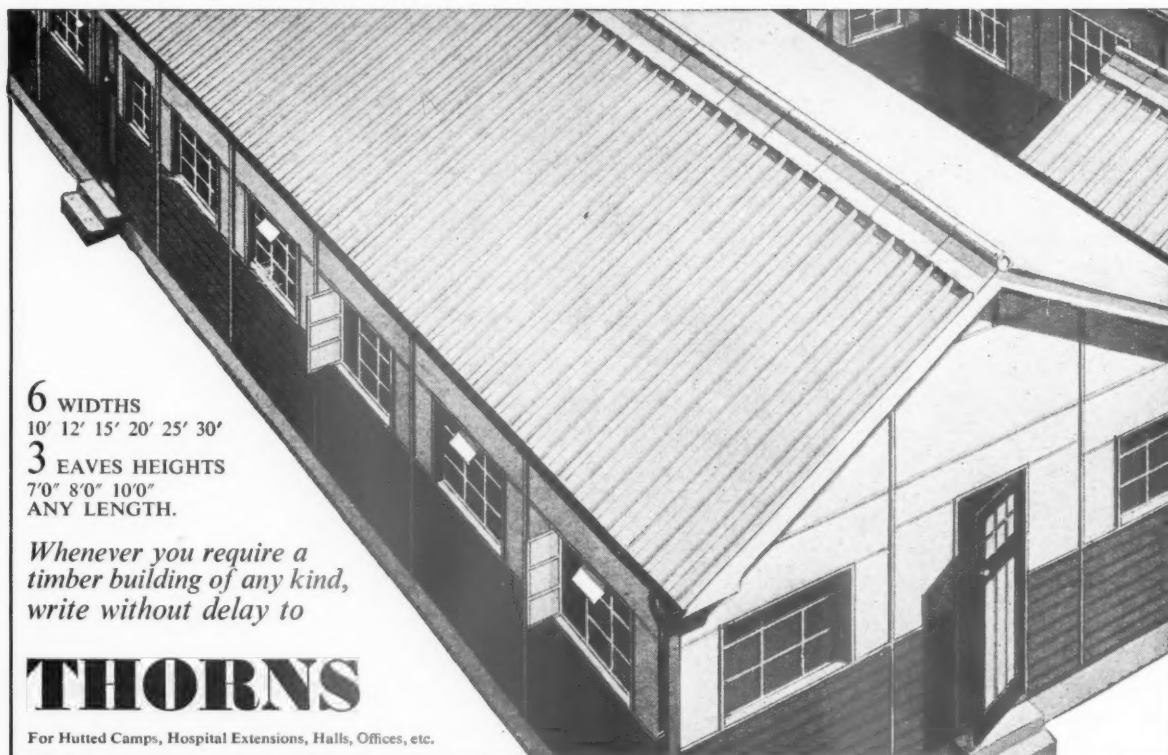


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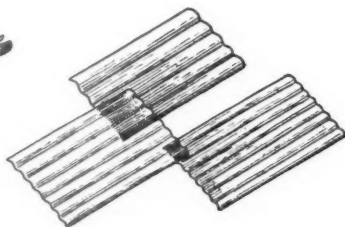
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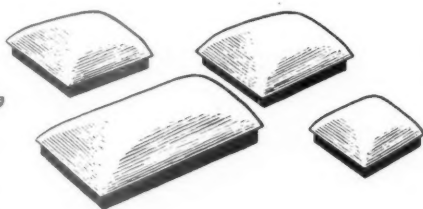
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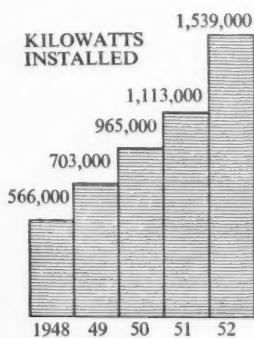


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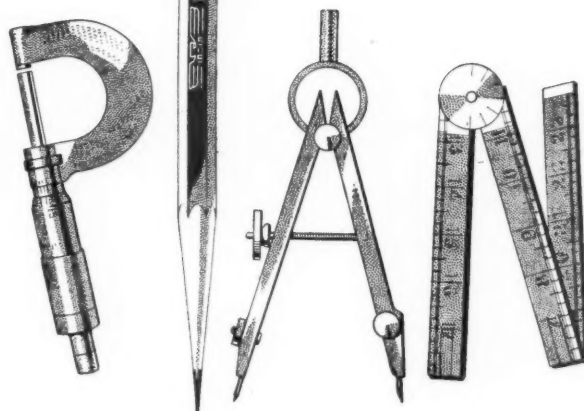
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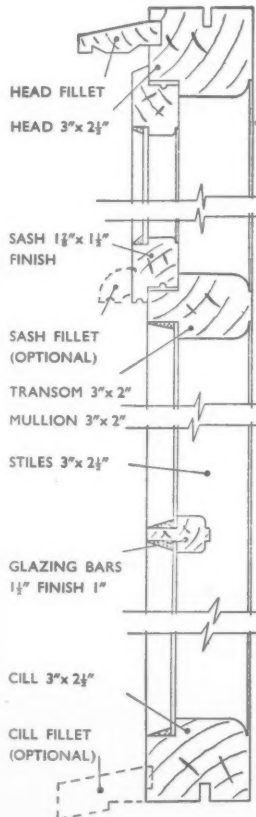
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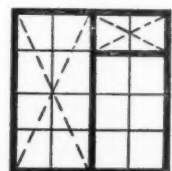
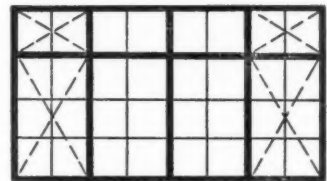
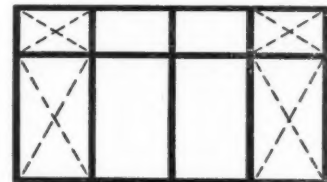
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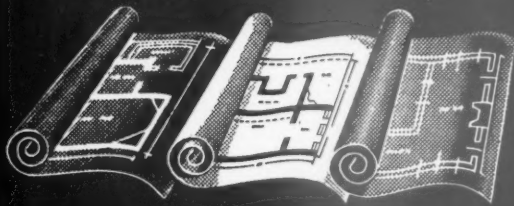
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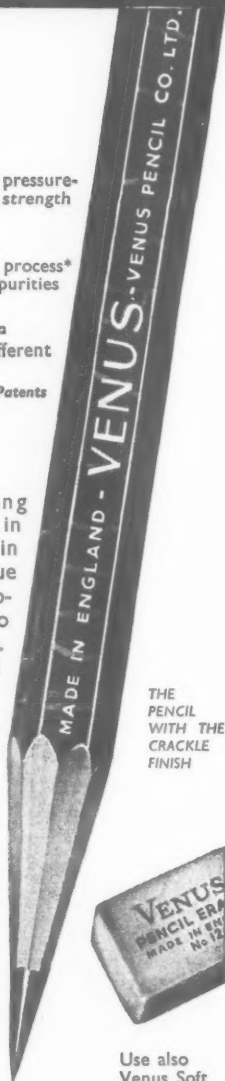
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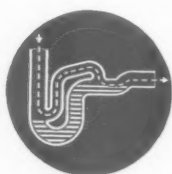
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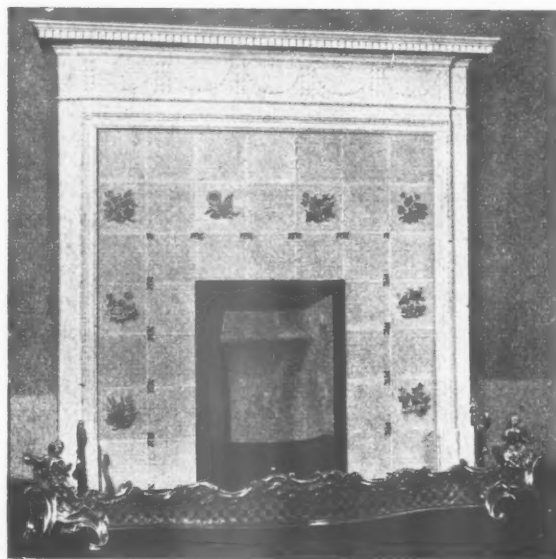
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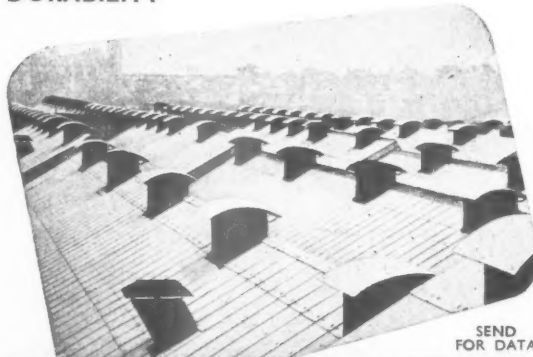
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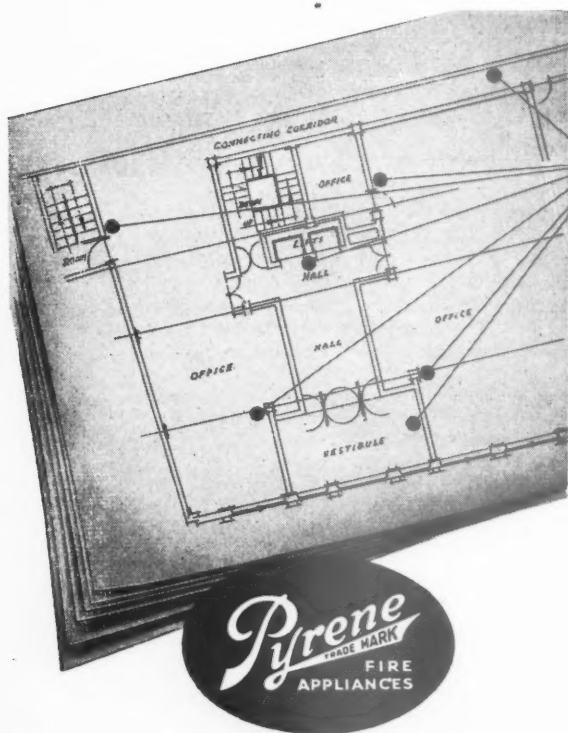
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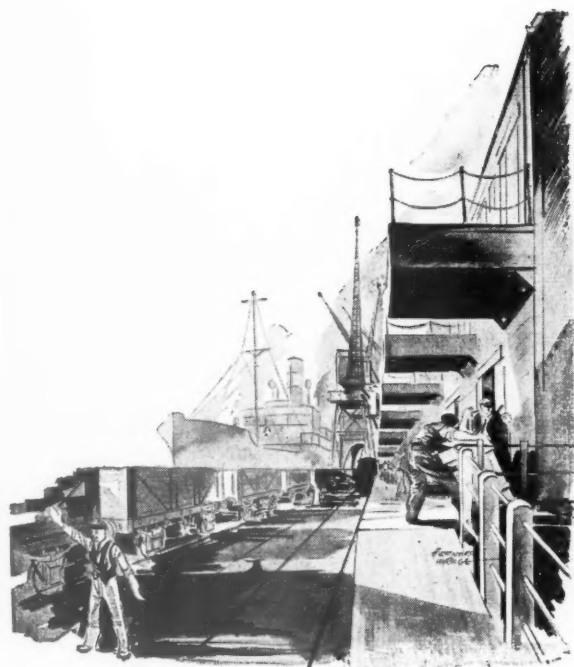


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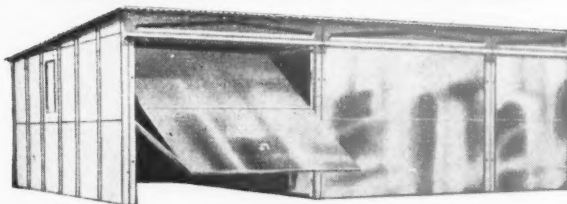


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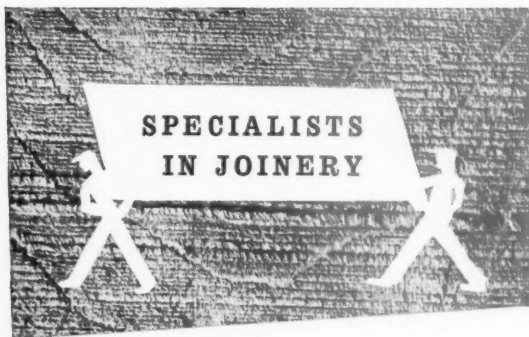
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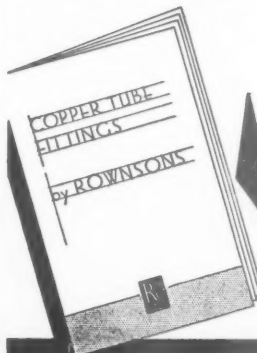
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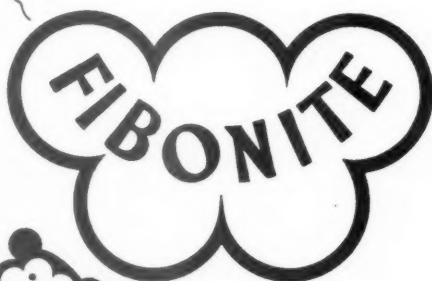


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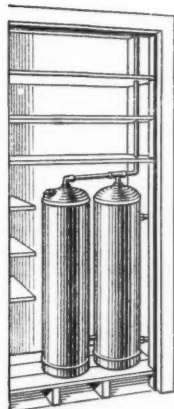
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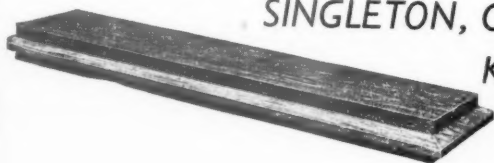
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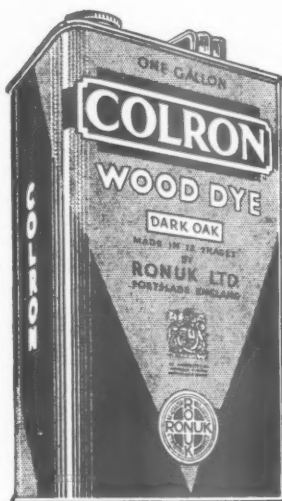
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Replies to Box Numbers should be addressed care of "The Architects' Journal," at the address given above.

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The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she or the employment is excepted from the provisions of the Notification of Vacancies Order, 1952.

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Applications are invited for the following appointments in the Architect's Branch of the Birmingham Education Department (Architect to the Committee: Mr. J. R. Sheridan-Shedden, A.R.I.B.A.):

ASSISTANT CLERK OF WORKS (Temporary). Salary: Miscellaneous Grade IV (£440-£495).

Applicants should have had a thorough technical training and experience in building construction materials.

Application forms, which may be obtained (s.a.e.) from the undersigned, must be returned not later than 23rd November.

E. L. RUSSELL,
Chief Education Officer.

Education Office,
Margaret Street, Birmingham, 3.

9910

CITY OF PLYMOUTH.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of an ASSISTANT ARCHITECT, Grade A.P.T., V (£595 to £645).

The appointment is subject to the Conditions of Service of the National Joint Council for Local Authorities Administrative, Professional, Technical and Clerical Services; the Local Government Superannuation Act, 1937, a satisfactory medical examination, and one month's notice on either side for termination.

Candidates should be experienced in the design and construction of schools, municipal housing or general work, must be Registered Architects, and preference will be given to Members of the R.I.B.A.

Applicants must not be over 40 years of age, but this condition may be released in the case of a person up to 45 years of age employed by another Local Authority.

Applications on forms obtainable from the undersigned, accompanied by copies of not more than three recent testimonials, and/or names of persons to whom reference may be made, should be received at my office not later than the 30th November, 1953.

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

H. J. W. STIRLING, A.R.I.B.A.,

City Architect.
Seymour Road, Plymouth. 9935

HERTFORDSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

SENIOR ASSISTANT QUANTITY SURVEYORS, Grade VII (£710-£785).

ASSISTANT QUANTITY SURVEYORS, Grade VI (£670-£735).

ASSISTANT QUANTITY SURVEYORS, Grade V (£595-£645).

Previous Local Government experience not essential. Applications, stating clearly which post is applied for, together with the names of three referees, should be addressed to the County Architect, County Hall, Hertford, Herts., not later than 30th November, 1953. 9984

EAST ELBOE RURAL DISTRICT COUNCIL.

APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited for the above appointment in the Architect's Department, at a salary in accordance with A.P.T., Grade VI, of the National Scales.

Applicants must be thoroughly experienced in the preparation of Bills of Quantities, measured works, and the preparation and checking of interim and final accounts.

The Council will be prepared to offer assistance in the provision of housing accommodation if required, and the appointment will be subject to the Local Government Superannuation Act, 1937, and to the passing of a medical examination, and will be terminable by one month's notice on either side.

Applications, stating age, qualifications, experience and two recent testimonials, together with copies of two recent testimonials, should reach the undersigned, endorsed "Quantity Surveyor," not later than Friday, the 27th of November, 1953.

J. C. PYWELL,

Clerk of the Council.

Mattimore House, Holbeach, 9983
Spalding, Lincs.

LONDON COUNTY COUNCIL.
APPOINTMENT OF ASSISTANT SCHOOLS ARCHITECT.

The Assistant Schools Architect, salary £1,650 × £100-£1,950, will assist the Schools Architect, who is responsible to the Architect to the Council for the organisation and direction of the Schools Division dealing with the design and erection of educational buildings of all types. The position calls for experience in contemporary architectural design and modern methods of construction, and for qualities of leadership and organising ability of a high order. Form of application from the Architect (AR/EK/ASA), County Hall, London, S.E.1. Closing date: 30th November. (1194) 9908

GLAMORGAN COUNTY COUNCIL.
COUNTY ARCHITECT.

Applications are invited for the above-mentioned post from Registered Architects, who are either Fellows or Associate Members of the Royal Institute of British Architects.

The annual salary will be £2,400, rising by one annual increment of £200 and two of £100 each to £2,800. The officer appointed will not be allowed to engage, directly or indirectly, in private practice or, without the consent of the County Council, to hold any other public office.

Candidates must have had considerable practical experience in the administration of a County Architect's Department, which includes a Direct Labour Building Section, and in the design, construction and maintenance of all schools and other types of County Buildings.

The appointment is pensionable and is also subject to:—

(i) The conditions of service approved by the Joint Negotiating Committee for Chief Officers of Local Authorities as adopted by the County Council;

(ii) the staffing regulations of the County Council existing from time to time;

(iii) three calendar months' notice on either side.

The successful candidate must pass a medical examination.

Candidates must not be over 50 years of age, unless in the employ of a local authority or in public service where a superannuation transfer value would be payable in respect of the candidate, in the case of ex-Service candidates, the age limit will be raised by the number of years served in H.M. Forces during the late war.

Applications (endorsed "County Architect"), stating age, professional qualifications, experience, past and present appointments and other relevant information, with the names of three referees, must be received by me not later than the 30th November, 1953.

Canvassing will disqualify.

RICHARD JOHN,

Clerk of the County Council.

Glamorgan County Hall, Cardiff. 9985

URBAN DISTRICT COUNCIL OF CRAWFORD.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Salary: Grade III (£525-£570 p.a.), plus London weighting. Applicants should possess the Intermediate qualification of a recognised professional institute, and preference will be given to those with experience in the preparation of specifications, estimates, and working drawings for housing.

Further particulars and application forms, which must be submitted by 12 noon on the 1st December, 1953, from the Engineer and Surveyor, Town Hall, Crawford, Kent.

G. R. HODGSON,

Clerk of the Council. 9986

LONDON COUNTY COUNCIL.—TECHNICAL

ASSISTANT to carry out ground surveys, prepare drawings, schedules and specifications for areas in parks, etc., to be re-instated under contract. Wages up to £10 a week, according to qualification and experience. Application forms from Chief Officer, Parks Dept., Spring Gardens, S.W.1. (1232) 9987

LONDON COUNTY COUNCIL.

HAMMERSMITH SCHOOL OF BUILDING

AND ARTS AND CRAFTS.

AND HEAD OF DEPARTMENT OF Architecture,

Building, Structural Engineering and Surveying.

Applicants should have both teaching and industrial or professional experience and hold a recognised qualification of graduate status. Burnham salary scale, £1,315 × £25-£1,465, includes V/P allowance of £125, plus London allowance £36 or £48, according to age. Application forms from Secretary, at School, Lime Grove, W.12, for return by 7th December. (1219). 9988

METROPOLITAN BOROUGH OF

WANDSWORTH.

BOROUGH ENGINEER SURVEYOR AND

ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of SENIOR ASSISTANT ARCHITECT (established). Salary: A.P.T. VII-VIII £740-£865. Applicants should be Associates of the R.I.B.A. and have had considerable experience in the design and planning of housing estates, particularly multi-storey blocks of flats and/or other framed buildings, and in the supervision of their erection.

Application forms, obtainable from the Borough Engineer, must be returned to me by 25th November, 1953.

R. H. JERMAN,

Town Clerk.

Municipal Buildings, Wandsworth, S.W.18. 9989

COUNTY BOROUGH OF BARNSELY.
BOROUGH ENGINEER AND SURVEYOR'S

DEPARTMENT.

APPOINTMENT OF CHIEF ASSISTANT

ARCHITECT.

Applications are invited for the appointment of Chief Assistant Architect in the Borough Engineer and Surveyor's Department, at a salary in accordance with A.P.T., Grade VII (£710-£785).

Applicants should be Associate Members of the Royal Institute of British Architects, and have had considerable experience in the design and layout of Municipal Housing Estates and other Public Buildings.

Housing accommodation will be provided for the successful candidate if necessary, and a car allowance will be paid in accordance with the Scheme for Casual Users.

The appointment will be subject to (a) the Scheme of Conditions of Service for A.P.T.C. Staff; (b) any other general conditions of employment in operation within the Corporation from time to time; (c) one month's notice on either side; and (d) to the Local Government Superannuation Acts, for which purpose the successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications, present and previous appointments, experience, etc., and giving the names of two persons for reference, should reach the Borough Engineer, Town Hall, Barnsley, not later than Thursday, 10th December, 1953.

Canvassing will disqualify, and applicants should disclose whether they are related to any member or senior officer of the Council.

A. E. GILFILLAN,

Town Clerk.

Town Hall, Barnsley. 9990

STAFFORDSHIRE COUNTY COUNCIL.

EDUCATION COMMITTEE.

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

JUNIOR ARCHITECTURAL ASSISTANT.

Grade I to IV (£455 to 600 p.a.), according to qualifications and experience.

Applicants preferably to have passed the Intermediate examination of the R.I.B.A. and have experience in an Architect's office.

The County Council are prepared to grant a lodging allowance of 25s. per week for a period of six months where a candidate is married and has to continue to maintain his home outside the county whilst seeking housing accommodation.

Applications should state age, qualifications, training, present and past employment, enclose copies of two recent testimonials, and be submitted to A. C. H. Stillman, Esq., F.R.I.B.A., Education Architect, Green Hall, Lichfield Road, Stafford, to be received not later than 30th November, 1953.

T. H. EVANS,

Clerk of the County Council. 9991

TUTBURY RURAL DISTRICT COUNCIL.

ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment in accordance with the National Scale of Conditions of Service and the Local Government Superannuation Acts.

Salary: A.P.T. Grade II, £495, rising to £540, or Grade III, £525, rising to £570, according to qualifications and experience.

Car allowance: As National Scale for cars up to 8 h.p.

Housing: If desired, a house will be made available on completion.

Applicants should have had experience in general architectural work, house planning and design, including the preparation of working details and bills of quantities.

Applications, stating age, qualifications, experience, present appointment, etc., the names of two referees must reach the undersigned not later than the 2nd December.

R. E. FURNER,

Clerk of the Council.

"Kingsley," 44, Rolleston Road. 9992

BURTON-ON-TRENT.

SOUTHERN RHODESIA GOVERNMENT.

VACANCIES: DRAUGHTSMEN: TOWN

PLANNING OFFICE.

Applicants must have obtained a recognised School Leaving (or equivalent) Certificate, or completed at least 4 years' secondary school education, and have completed a period of not less than 3 years' approved training as a draughtsman. They must be neat, expeditious and competent draughtsmen, and have had experience of survey plotting and compilation of topographical plans. Previous experience in a Town Planning or Land or Municipal Surveyor's or Engineer's Office will be an advantage.

Salary scale: £462 × £36 to £534 × £90 to £624 × £54 to £894 × £45 to £1,074 per annum. The commencing salary may be higher than the minimum of the scale in recognition of approved post-training experience. Marriage allowance £50 per annum, and children's allowance £60 for the first, and £24 for each other dependent child, also payable.

It should be noted that the successful candidates may be liable for service within Southern Rhodesia, Northern Rhodesia and Nyasaland. Application forms and further details from the Secretary, Rhodesia House, 429, Strand, London, W.C.2; completed forms to be returned by December 15. 9977

**AYCLIFFE DEVELOPMENT CORPORATION.
APPOINTMENT OF ARCHITECTURAL STAFF.**

Applications are invited for the following appointments on the staff of the Architects' Department:—

(1) **ASSISTANT ARCHITECT.** Salary: A.P.T. Grade V (£595-£645) or Grade VI (£670-£735), according to ability and experience. Applicants should have had at least three years' varied experience in an Architects' office, including the administration of contracts.

(2) **JUNIOR ASSISTANT.** Salary: A.P.T. Grade I (£465-£510). Applicants should have reached the Intermediate standard of the R.I.B.A. examinations.

Appointments subject to N.J.C. conditions and superannuation.

Housing accommodation for married applicants will be provided if necessary.

Applications, with names and addresses of two referees, to be sent to the undersigned not later than 30th November, 1953.

A. W. THOMAS,
General Manager.

Newton Aycliffe, Co. Durham. 1010

**CORPORATION OF GREENOCK.
BURGH ENGINEER AND MASTER OF
WORKS DEPARTMENT.**

QUANTITY SURVEYOR required for the office of the Burgh Engineer and Master of Works within the Grade A.P.T. VI (£675-£740).

Candidates should have experience in a Quantity Surveyor's office and be capable of taking off, billing, checking accounts, taking site measurements, and preparation of final accounts with a minimum of supervision. Preference will be given to applicants who have passed the examinations of the Royal Institute of Chartered Surveyors.

Applications, stating age, qualifications, present and previous appointments, etc., together with the names of two referees, should be submitted to the undersigned on or before Monday, 7th December, 1953.

JOHN LIDDELL,
Town Clerk.

Municipal Buildings, Greenock. 1009
11th November, 1953.

**BRITISH ELECTRICITY AUTHORITY.
EAST MIDLANDS DIVISION.**

Applications are invited for the following positions within the Division:—

CIVIL ENGINEERING DRAUGHTSMEN. Construction Department. (Vacancy No. 22/53.)

Candidates should have experience in design and detail of reinforced concrete structures, piled and slab foundations for heavy plant, culverts, cable substations, etc., for general building construction, drainage and sanitation schemes, associated with office and administrative buildings.

The salary will be in accordance with Grade 5 (£567-£671 per annum) or Grade 6 (£433-£567 per annum) of Schedule D of the National Joint Board Agreement.

ENGINEERING DRAUGHTSMEN (MECHANICAL). Construction Department. (Vacancy No. 44/53.)

Senior Draughtsmen are required in the Mechanical Section of the Construction Department at North Wilford Power Station. Candidates should have experience in one or more of the following:—

(i) Design and layout of Power Station equipment, including turbo-alternators, boiler plant, coal and ash plant, and general station auxiliaries.

(ii) H.P. and L.P. steam and feed pipework. Condensing plant and feed heating systems.

(iii) Conveyor plant, coal handling systems and material handling of station auxiliary equipment.

Salary and conditions of service will be in accordance with the National Joint Board Agreement Grade 5 (£567-£671 per annum) and Grade 6 (£433-£567 per annum) of Schedule D according to experience.

ENGINEERING DRAUGHTSMEN (ELECTRICAL). Construction Department. (Vacancy No. 61/53.)

Candidates should have experience in the preparation of layouts and diagrams for the installation of E.H.T. and L.T. Switchgear, transformers, E.H.T. and L.T. cables; knowledge of protective gear systems would be an advantage.

The salary will be in accordance with Grade 5 (£567-£671 per annum) or Grade 6 (£433-£567 per annum) of Schedule D of the National Joint Board Agreement.

The above positions will be pensionable within the provisions of the British Electricity Authority and Area Boards Superannuation Scheme.

Applications should be submitted on the official form which may be obtained from the Divisional Establishments Officer, British Electricity Authority, Barker Gate, Nottingham, and should be returned to the undersigned by the dates stated. Please quote Vacancy Number.

L. F. JEFFREY,
Divisional Controller.

**COUNTY BOROUGH OF EAST HAM.
HOUSING DEPARTMENT.**

TEMPORARY (ARCHITECTURAL) ASSISTANT, A.P.T. III (Salary £525-£570 plus London Weighting).

Applicants should have passed the Intermediate Examination of the R.I.B.A. and have had experience in the detailing of flats and houses.

Further details and form of application (returnable by the 30th November, 1953) obtainable from the Town Clerk, Town Hall, East Ham, E.6. 9948

**ANTRIM COUNTY COUNCIL.
APPOINTMENTS IN COUNTY SURVEYOR'S
AND COUNTY PLANNING DEPARTMENTS.**

Applications for the undernoted positions will be received by me on or before Saturday, 28th November, 1953. Applicants should state age, qualifications, and experience and should enclose copies of two recent testimonials.

It is the Council's policy to give special consideration to candidates who have served in Her Majesty's Forces in Wartime.

The appointments are subject to the Local Government (Superannuation) Act (Northern Ireland) 1950.

COUNTY SURVEYOR'S DEPARTMENT.

(1) **ASSISTANT ENGINEERS** (two vacancies). Applicants should be Corporate Members of the Institution of Civil Engineers, or hold the Testamur of the Institution of Municipal Engineers. They must have good experience in survey and modern lay-out, design and construction of Road Works and Bridges.

Salary scales £495 × £15-£540 or £525 × £15-£570, according to qualifications and experience.

**(2) BUILDING INSPECTOR/CLERK OF
WORKS.**

The successful applicant will act as Clerk of Works and Building Inspector in connection with the construction and maintenance of all Council property.

Salary scales as in (1) above.
Car Allowance will be paid on the Council's scale.

COUNTY PLANNING DEPARTMENT.**(1) PLANNING ASSISTANT.**

Candidates should have passed at least the Intermediate Examination of the Royal Institute of British Architects and should have experience in the design of buildings of all types, particularly in domestic work and the lay-out of housing estates.

Salary scale—£690 × £20 × £25-£735.

Car Allowance will be paid on the Council's scale.

(2) SURVEYOR.

Candidates must have expert knowledge of land and building surveying and of the use of level and theodolite in contouring and in the measurement and plotting of buildings on ordnance maps, and they must be experienced in the control of staff. They should be qualified for the professional Associateship of the Royal Institution of Chartered Surveyors.

Salary scale—£510 × £15 × £20-£645.

W. S. HENDERSON,
Secretary.

County Courthouse,
Crumlin Road, Belfast. 9950
7th November, 1953.

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

Applications are invited for:—

(a) **ARCHITECTURAL ASSISTANT.** Salary according to experience within the range £465-£570 plus London Weighting.

(b) **GENERAL ASSISTANTS, TECHNICAL** (3). With 2 years' experience in an architect's office. Salary according to age within the range of £160-£450 plus London Weighting. Application forms returnable by Monday, 30th November, 1953, from Thomas E. North, O.B.E., F.R.I.B.A., Dist.T.P., 70, West Ham Lane, Stratford, E.15. 9955

**MOUNTAIN ASH URBAN DISTRICT
COUNCIL.****ASSISTANT ARCHITECT.**

Applications are invited for the permanent appointment of Assistant Architect. The conditions of employment will be in accordance with the National Scheme of Conditions of Service and the appointment will be remunerated in accordance with Grade A.P.T. IV (£555 × £15-£600). Applicants must have passed the Intermediate Examination of the Royal Institute of British Architects or its equivalent and have had at least two years' experience in an Architect's Office preferably on housing work. The appointment will be superannuable and will be terminable by one month's notice on either side. The successful applicant will be required to pass a medical examination.

Applications stating age, qualifications and experience together with the names of two persons to whom reference may be made must reach the undersigned not later than Thursday, the 26th November, 1953. Housing accommodation will be provided if required.

BERNARD M. MURPHY,

Clerk of the Council.
Town Hall, Mountain Ash.
6th November, 1953. 9953

**COUNTY BOROUGH OF BURTON-UPON-
TRENT.****SENIOR QUANTITY SURVEYOR—
GRADE VI**

Applications are invited for the appointment (subject to satisfactory medical examination) of a Senior Quantity Surveyor on the established staff of the Architectural Department of the Borough Engineer and Surveyor. Salary: Grade A.P.T. VI (£670-£735). Reference will be given to candidates who are professionally qualified. Applications, giving age, education, qualifications, experience, appointments held and present salary, and the names of two referees, to be delivered to the Borough Engineer and Surveyor, Town Hall, Burton-upon-Trent, not later than Saturday, 28th November, 1953.

H. BAILEY CHAPMAN,

Town Clerk.
Town Hall, Burton-upon-Trent.
9th November, 1953. 9982

**GOLD COAST GOVERNMENT.
VACANCIES FOR ARCHITECTS—PUBLIC
WORKS DEPARTMENT.**

Applications are invited for vacancies in the post of Architects in the Public Works Department.

Duties: The Architects will be required to carry out investigation for, plan, design and supervise the construction of new Government buildings, arising in connection with the Government's development programme such as quarters, offices, hospitals, schools, halls, reading rooms, etc. They will also be responsible for the preparation of working drawings and specifications, and the administration of contracts.

Qualifications: Candidates must be Associates of the Royal Institute of British Architects. Previous experience of Government or Local Authority work is desirable and of Hospital or Bank Buildings an advantage.

Terms of Service: Some of these posts are "Development Posts" for implementation of specific projects under the Gold Coast Development Plan. The appointments will be on contract/gratuity terms for one tour of 18 to 24 months with a possible extension to two tours. Salary will be in the range £1,250-£2,020 per annum (consolidated) according to age, qualifications and experience. A gratuity at the rate of £37 10s. (or £25, if salary less than £1,000) for each completed three months of satisfactory service will be payable on final termination of the contract.

Free passages on first appointment and on leave will be provided for the officer and his wife on each way during each tour of service. Officers will normally be required to travel by air. Free air passages will also be provided for a maximum of three children under 13 years of age.

Vacation leave with pay: seven days for each month of service. Free medical and dental attention provided for officer and family. Reasonable but substandard partly furnished quarters are available at low rentals. Income tax at local rates. Kit allowance on first appointment £30-£60 according to salary.

Contributions to the Widows' and Orphans' Pension Fund are at present compulsory.

Intending candidates should apply to the Commissioner for the Gold Coast, Melbourne House, Aldwych, London, W.C.2, for a form of application. 9951

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

Applications are invited for two posts as SENIOR ASSISTANT ARCHITECTS in the City Architect's Department, Dundee. The posts will be graded A.P.T. VI-VIII, £675 to £840 per annum. Placings in one of the grades will be given according to qualifications and experience.

Applicants must be Associate Members of the Royal Institute of British Architects and should have experience in the preparation of sketch plans, working drawings and the supervision of buildings during erection. A knowledge of Housing and School Work will be an advantage.

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

No Housing Accommodation will be provided by the Local Authority. Applications stating age, qualifications and experience, along with the names of three referees, should be lodged with the undersigned on or before Monday, 30th November, 1953.

ROBERT LYLE,
Town Clerk.

City Chambers, Dundee. 9959
7th November, 1953.

**COUNTY BOROUGH OF EAST HAM.
ARCHITECTURAL ASSISTANT. Salary £595**

—£645 (Grade A.P.T. V).

ARCHITECTURAL ASSISTANT. Salary £555

—£600 (Grade A.P.T. IV).

SENIOR ENGINEERING ASSISTANT. Salary

£675-£735 (Grade A.P.T. VI).

ENGINEERING ASSISTANT. Salary £595-

£645 (Grade A.P.T. V).

QUANTITY SURVEYOR. Salary £555-£600

(Grade A.P.T. IV).

London Weighting is paid in addition. Salaries in excess of the minima may be paid according to the qualifications and experience of successful candidates.

Subsistence allowances may be paid to persons appointed if unable to obtain suitable housing accommodation.

Further details and form of application (returnable by Monday, 30th November, 1953) obtainable from the Town Clerk, Town Hall, East Ham, E.6. 9949

CITY OF LEICESTER.

Applications are invited for the appointment of MAINTENANCE ASSISTANT in the City Surveyor's Department. The salary will be in accordance with Grade A.P.T. IV-VI (£555-£735), according to qualifications and experience, and the appointment is subject to the provisions of the Local Government Superannuation Act, 1937.

Applicants should have a good knowledge of architectural practice and be experienced in the maintenance of buildings, preparation of specifications and plans.

Applications, including age, qualifications and experience, together with copies of testimonials, should reach the undersigned not later than 30th November, 1953.

JOHN L. BECKETT, M.Inst.C.E.,
City Surveyor.

Town Hall, Leicester. 9979

AYCLIFFE DEVELOPMENT CORPORATION.
JUNIOR QUANTITY SURVEYOR.
 Applications are invited for the above post. Salary Grade A.P.T. II (£495 × £15-£540). Applicants should be Students of the Royal Institution of Chartered Surveyors and be capable of squaring dimensions, abstracting and billing, and measuring work, on site. Appointment subject to N.J.C. conditions superannuation and one month's notice. Applications, stating age, qualifications and experience, with names of two referees to be sent to the undersigned by 23rd November, 1953.

A. W. THOMAS,
 General Manager.

Newton Aycliffe,
 County Durham. 9917

METROPOLITAN BOROUGH OF SHOREDITCH.

ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant. Salary: A.P.T. V (£625-£675).

Subject to medical examination and Council's Superannuation Scheme and N.J.C. Conditions. Preference will be given to candidates with a recognised architectural qualification.

Applications to Borough Architect, Town Hall, Old Street, E.C.1, stating age, training and experience, and giving two referees, to arrive by 25th November, 1953. 9933

DEVON COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the undermentioned appointments on the permanent staff. Conditions of service and salaries are in accordance with the National Joint Council's Scheme for Local Authorities.

ASSISTANT ARCHITECTS. A.P.T., VI (£670-£735 per annum).

ARCHITECTURAL ASSISTANT. A.P.T., III (£525-£570 per annum).

ARCHITECTURAL ASSISTANT. A.P.T., I (£465-£510 per annum).

Application forms, with full particulars of qualifications and experience required for these posts, are obtainable from the County Architect, 97, Heavitree Road, Exeter, and must be returned to him by Thursday, the 3rd December, 1953.

Canvassing, directly or indirectly, will disqualify.

H. G. GODSALL.

Clerk of the County Council.

The Castle, Exeter.
 6th November, 1953. 9981

BOROUGH OF OLDBURY.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments in the Architects' Section of the Borough Surveyor's Department:—

(a) **SENIOR QUANTITY SURVEYOR,** Grade A.P.T. VII (£710/25/785).

(b) **ASSISTANT QUANTITY SURVEYOR,** Grade A.P.T., V (£595/15/15/20/£645).

Salary will be paid within the above Grades in accordance with the experience and qualifications of the successful candidates.

The Corporation's building programme comprises mixed development of houses, maisonettes and flats, shopping centres, development of Central Clearance Areas, multi-storey flats and general building works.

Candidates for appointment (a) should be Chartered Quantity Surveyors, possess a thorough knowledge of building contract procedure and have administrative ability; be experienced in preparation of estimates, preparing specifications and bills of quantities; valuation for interim certificates and settling final accounts for all types of local authority building contracts.

Appointment (b) applicants should preferably be qualified Quantity Surveyors and have had considerable practical experience in the preparation of bills of quantities.

The appointment will be superannuable and subject (a) to the Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services and (b) to the selected candidate passing a medical examination.

Applications, giving particulars of age, qualifications and experience, together with the names of two referees, should be delivered to the undersigned not later than Monday, 30th November, 1953.

KENNETH PEARCE.

Town Clerk.

Municipal Buildings, Oldbury.
 6th November, 1953. 9956

LONDON COUNTY COUNCIL.
ARCHITECT'S DEPARTMENT.

TEMPORARY TECHNICAL ASSISTANT

(estimator) (up to £721), required for Historic Buildings Section for preparing estimates for maintenance and improvements work. Experience of special craftsmanship and of treatment of defects in old buildings essential. Application form, returnable by 25th November, from Architect (AR/EK/HB/2), County Hall, S.E.1. (1215). 9946.

BOROUGH OF SOUTHALL.
APPOINTMENT OF JUNIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the above post on the permanent staff of the Corporation at the salary of Grade A.P.T., II (£495 × £15-£540), plus London weighting.

Candidates should be at least second year students for the Intermediate Examination of the R.I.B.A. and previous Local Government experience will be advantageous.

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

Applications, on forms to be obtained from the Borough Engineer, Town Hall, Southall, must be returned to him on or before Tuesday, 30th November, 1953. Canvassing will disqualify.

J. S. SYRETT.

Town Clerk.

Town Clerk's Office, South Road,
 Southall, Middx.
 November, 1953. 9978

URBAN DISTRICT COUNCIL OF BILLERICAY.

Population, 46,000 approximately, increasing rapidly. Acreage 27,000.

SURVEYOR'S DEPARTMENT.
ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment, at a salary in accordance with either A.P.T. Division, Grade III or IV, according to experience. Applicants must have passed the Intermediate Examination of the R.I.B.A. or its equivalent.

Consideration will be given to offering housing accommodation to the successful candidate.

Applications are to be made on forms to be obtained from the Surveyor, Council Offices, Billericay, and must be forwarded to the undersigned not later than Monday, 30th November, 1953.

A. HATT.

Clerk of the Council.

Council Offices, 98 High Street, Billericay. 9980

CITY OF COVENTRY require a **CHIEF PLANNING ASSISTANT** in Development Control Section, A.P.T. IX (£815-£935), A.R.I.B.A. and A.M.T.P.I. essential. Housing accommodation may be provided. Application forms, etc., from City Architect, Bull Yard, Coventry, to be returned by 5th December. 9958

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**BOROUGH OF BARKING.
DEPARTMENT OF THE BOROUGH
ARCHITECT.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant, Grade A.P.T. I-V, on the established staff, at a commencing salary of £465 p.a., plus London weighting.

Further particulars and form of application may be obtained from the Borough Architect, Town Hall, Barking. Completed applications should reach the undersigned not later than 27th November, 1953.

E. R. FARR,
Town Clerk.
9976

Town Hall, Barking, Essex.

PERTH AND KINROSS JOINT COUNTY COUNCIL require ASSISTANT ARCHITECT. Experience of design and erection of School Buildings an advantage. Salary Scale £550-£650. Particulars and application form from County Clerk, County Offices, York Place, Perth. Applications to be lodged by 30th November, 1953.

COUNTY BOROUGH OF SOUTHPORT. Applications are invited for the appointment of ASSISTANT ARCHITECT in the Borough Architect and Town Planning Officer's Department, at a salary in accordance with A.P.T. Division Grade V of the National Scales of Salaries (£595-£645 per annum). Candidates should be Registered Architects and/or Associates R.I.B.A.

The Council is unable to assist the successful candidate with housing accommodation. Application forms may be obtained from the Acting Borough Architect and Town Planning Officer, Pavilion Buildings, Lord Street, Southport.

R. EDGAR PERRINS,
Town Clerk.
9947

Tenders for Contracts

6 lines or under 12s. 6d.; each additional line, 2s. BRECONSHIRE AND RADNORSHIRE JOINT FIRE BRIGADE COMMITTEE. PROPOSED NEW FIRE STATION AT LLANDRINDOD WELLS.

Tenders are invited for the erection of a new Fire Station in Tremont Road, Llandrindod Wells. Building Contractors desirous of tendering should apply to the Joint Committee's Architects, Messrs. Scott & Redwood, A.I.Struct.E., A.R.I.B.A., 5, Rodney Place, Clifton, Bristol, E., for the necessary documents, enclosing a deposit of £2 2s., which will be returned upon receipt of a bona fide tender.

Tenders, in sealed envelopes, endorsed "Tender for new Fire Station, Llandrindod Wells," must be received by the undersigned not later than Saturday, 12th December, 1953. C. M. S. WELLS, Clerk of the Joint Committee, County Hall, Brecon.

Architectural Appointments Vacant

4 lines or under 7s. 6d.; each additional line, 2s. The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she is, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

ASSISTANTS required in Architect's office of a large industrial organisation in the Midlands. Preference will be given to applicants having experience in industrial requirements. Applications giving full particulars of experience, age, etc., to Box 1151, T. & G., 101, St. Martins Lane, London, W.C.2.

ASSISTANT required for large general Architectural Practice with offices in Maidenhead. Some experience in specification writing essential. Salary £300 to £500, according to experience. Box 8933.

SENIOR ARCHITECTURAL ASSISTANT required by a Property Company in Uganda, East Africa; must be able to take charge of drawing office and be responsible for site surveys, the preparation of working drawings, specifications and details, etc. Hard furnished housing will be available and the successful candidate, subject to medical examination and contract, will be entitled to the following conditions:—

Free medical attention and free passages (not exceeding three adult fares) upon commencement and after each tour of three years, with three months paid home leave at termination of tour (six months if contract is to be renewed) and 14 days non-cumulative local leave per annum. A voluntary 10 per cent. Provident Fund Scheme will be available. Applications, giving full professional and domestic details and stating salary required should be addressed to:—The Secretary, Consolidated Properties Ltd., P.O. Box 462, Kampala, Uganda.

ARCHITECTURAL ASSISTANTS required, Final and Intermediate standards for busy practice. Write giving full particulars of qualifications, experience and salary required to Johns & Slater, F.A.R.I.B.A., 32, Foundation Street, Ipswich.

VACANCY arises for Articled Pupil (Architectural or Building Surveying) in City firm. Box 9468.

A SENIOR ARCHITECTURAL ASSISTANT required, full experience in preparation of working drawings, details, and supervision of office and industrial buildings in the London Area. Good knowledge of construction and design essential. Apply in writing giving full particulars of qualifications, age, experience and salary required to Box 9569.

VACANCY arises for JUNIOR ASSISTANT approaching inter standard in building, surveying or architecture in City firm. Box 9949.

QUALIFIED HOUSING ARCHITECT. Full time services required. Apply stating experience, age and salary to Smiths Building Systems (Birmingham), Ltd., Smith Road, Wednesbury.

ARCHITECTURAL DRAUGHTSMAN required for the South East London Area, preferably with experience of industrial buildings and L.C.C. requirements. Also JUNIOR DRAUGHTSMAN to assist the above. Please state age, experience and salary required. Box 9901.

ARCHITECTS require (a) SENIOR ASSISTANT with good all round office experience and (b) ARCHITECTURAL DRAUGHTSMAN with first class shop fitting experience. Good salaries and permanency offered to capable applicants—Stephenson and Gillis, 2, Saville Chambers, Newcastle-on-Tyne.

ARCHITECTURAL ASSISTANT required, at least A.R.I.B.A. Intermediate standard. Must have completed National Service commitment. Constructional knowledge and experience in preparation of working drawings essential. Write, giving full details of experience and salary required. Box 9964.

WANTED immediately in office of Architect dealing with domestic work for London Housing Company, ARCHITECTURAL ASSISTANT of Inter. R.I.B.A. standard. Able to prepare designs, working drawings and specifications. Salary: £400 to £500 per annum, according to experience and capabilities. Pension scheme. Box 9967.

HILLS (WEST BROMWICH), LTD., Albion Road, West Bromwich, Staffs., can offer a 12 months' experience engagement to young ARCHITECTS in their West Bromwich Estimating and Drawing Offices. Excellent salaries and expenses paid. Apply Personnel Manager.

EXPERIENCED ARCHITECTURAL ASSISTANT required. Preference will be given to applicants of contemporary outlook, with experience of brewery work, and capable of handling jobs in all stages. Salary range: £600-£800, according to experience and ability. Write, stating qualifications, experience, age, and when free, to A. Dorin, R.I.B.A., Chartered Architect, 69, Piccadilly, Hanley, Stoke-on-Trent.

QUALIFIED and experienced SENIOR ASSISTANT required by provincial private practice with varied works in hand. Apply giving full details and salary required to Deacon & Laing, 9, St. Paul's Square, Bedford.

K EEN, SINGLE ASSISTANTS required for Birmingham office. Contemporary and traditional work, qualified and Intermediate standards considered. Possibility of branch office control after satisfactory trial period. Send full particulars and when free to Box 9955.

ARCHITECTURAL ASSISTANT wanted, about 2 Intermediate Standard. Salary according to experience and ability. T. H. Thorpe & Partners, 41, Friar Gate, Derby.

ARCHITECTURAL ASSISTANT, London. Fully experienced in design and construction. Applicant should have passed his Associateship examination, preferably hold honours or other diplomas, age about 30/35, experience 5/10 years. Pension and Life Insurance for permanent man. Box 9999.

SENIOR ARCHITECTURAL ASSISTANT required for London Offices. Good Draughtsman, experienced and capable of undertaking work with minimum supervision. Full details and salary required to Box 1001.

COMPETENT ASSISTANT required for West End office. About Intermediate standard. Experienced in commercial work; neat and quick draughtsman. Salary according to ability. Box 9939.

ARCHITECTURAL ASSISTANT of post Intermediate standard, with office experience, required. Please write giving full particulars of age, experience and salary required to Scherrer and Hicks 77, Hcourt House, 19, Cavendish Square, London, W.1.

PERMANENT MALE ARCHITECTURAL ASSISTANT below Intermediate Standard required by private Architects in London with varied practice. Reply with particulars and salary required to Box 1005.

THE Milk Marketing Board require an ASSISTANT in their Architect's Department, capable of preparing working drawings and details and able to make field surveys and surveys of existing buildings. The salary will be £500 per annum, and preference will be given to applicants who have already passed their Intermediate R.I.B.A. examination. Apply, stating age and previous experience, to the Chief Administrative Officer, Milk Marketing Board, Thames Ditton, Surrey.

ARCHITECT with experience required for work on the site for project in the Middle East. Good salary, fare and accommodation paid. State age, experience, date available. Box 1002.

THE CO-OPERATIVE WHOLESALE SOCIETY, LTD., invite applications for the appointment of ASSISTANT ARCHITECTS on the staff of the Manchester Architect's Department.

Applicants must have had good practical office experience, possess a sound knowledge of building construction, and be able to prepare working drawings and details from sketch plans.

The appointments are permanent, with prospects of promotion. Successful candidates will be required to undergo a medical examination for entry into a compulsory Superannuation Scheme.

Applications, stating age, experience, qualifications and salary required, to be addressed to G. S. Hay, A.R.I.B.A., Chief Architect, Co-operative Wholesale Society, Ltd., 1, Balloon Street, Manchester.

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A.R.I.B.A., Dip.Arch. (36) seeks senior position in contemporary London office where there is scope for technical and constructional knowledge. Box 9809.

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ENGINEER AND ARCHITECTURAL ASSISTANT (30), A.M.I.C.E., Inter. R.I.B.A., experienced in design, contracts supervision on housing, public buildings, roads, sewers, etc., requires position in South. Box 809.

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ARCHITECTURAL ASSISTANT (26), passed part Inter. R.I.B.A., 3 years in approved University School of Architecture, 18 months' experience in architect's office, 4 years' experience as civil engineering draughtsman with local authority, seeks position in Architect's office in West or Central London. Box 1013.

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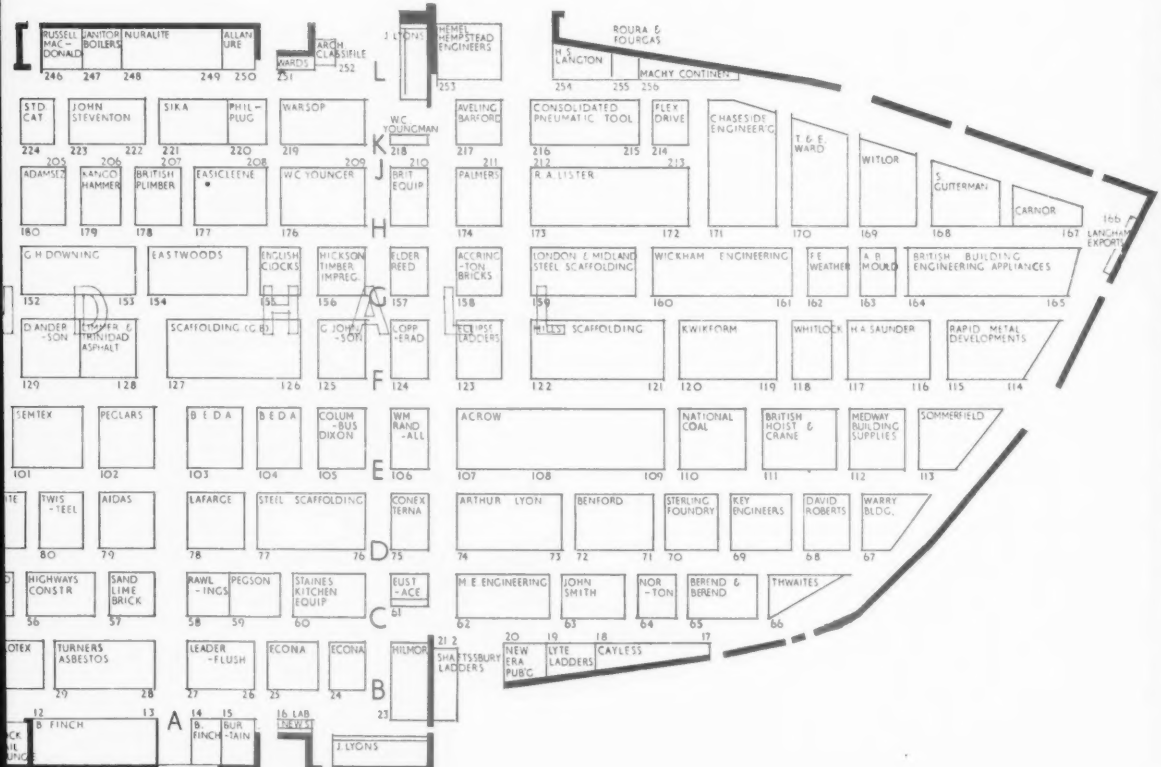
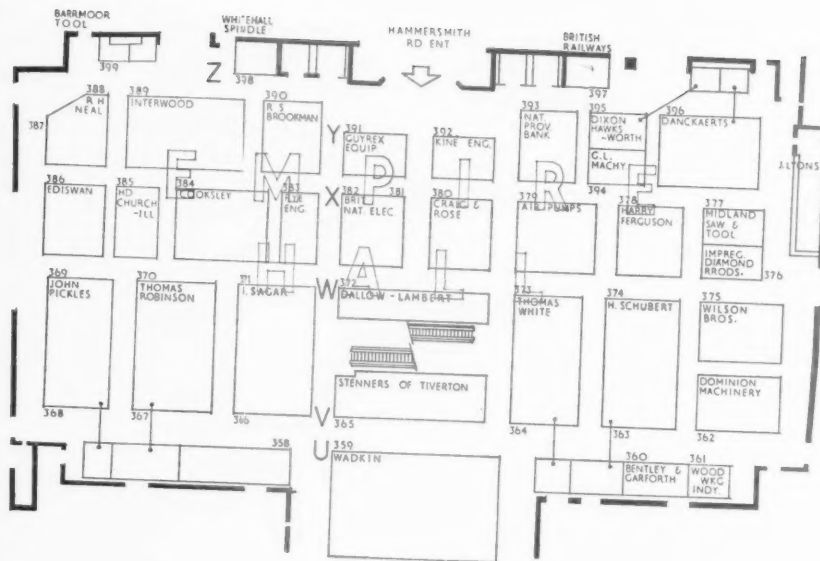
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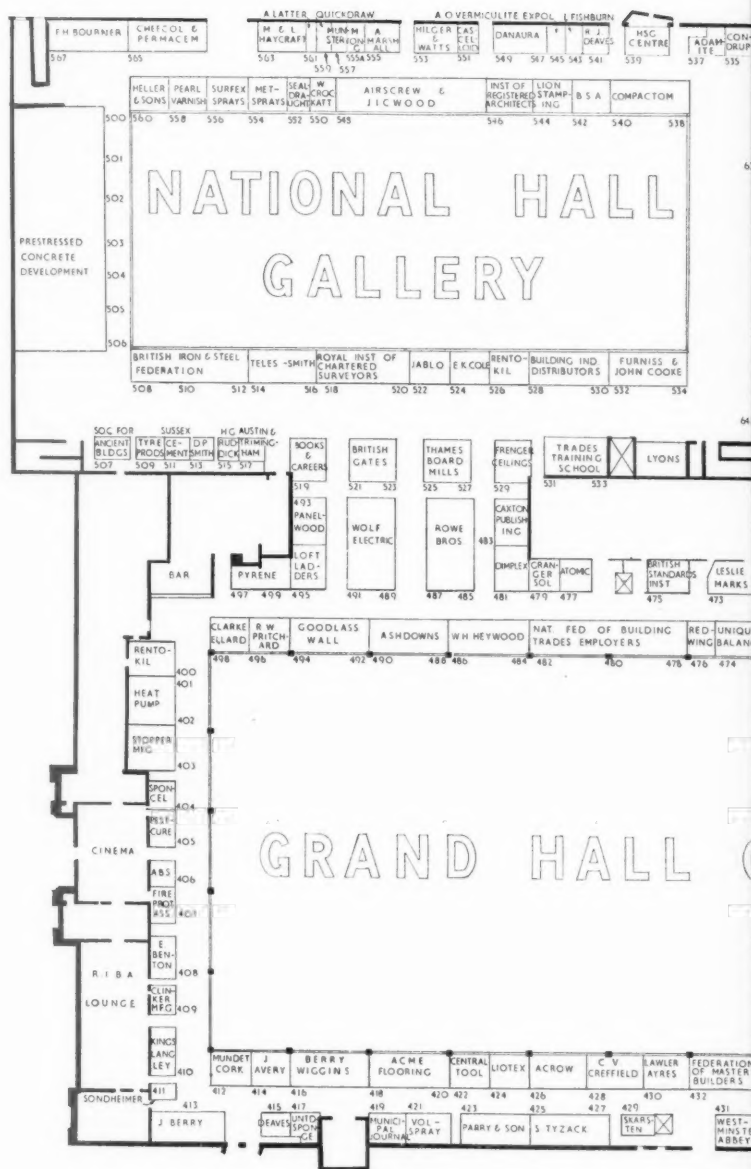
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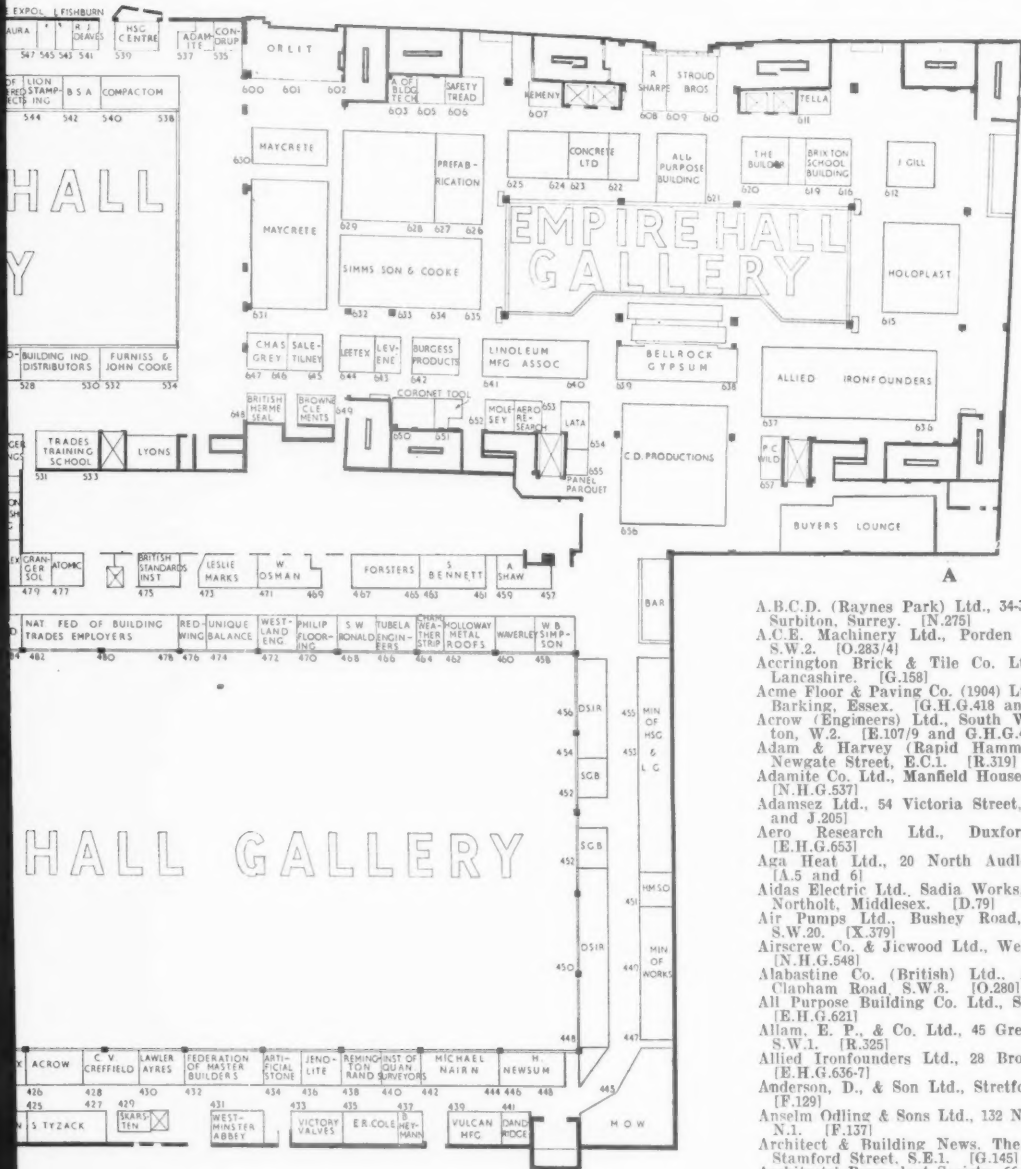






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Duresco Products Ltd., Charlton, S.E.7. [L.239]

E

Easicene Porcelain-Enamel (1938) Ltd., Darlaston, South Staffordshire. [H.177 & J.208]
Eastwoods Ltd., 158 City Road, E.C.1. [G.154]
Eclipse Rail-Track Ladder Co. Ltd., The, Staple Hill, nr. Bristol. [F.123]
Econa Modern Products Ltd., Aqua Works, Warwick Road, Tyseley, Birmingham, 11. [B.25]
Economic Water Softeners Ltd., Highlands Road, Shirley, Birmingham. [B.24]
Edison Swan Electric Co. Ltd., 155 Charing Cross Road, W.C.2. [X.386]
Ellis John, & Sons Ltd., 21 New Walk, Leicester. [O.285]
Eley & Gibbons Ltd., Havelock Street, South Shields, County Durham. [C.50]
English Clock Systems Ltd., 179-185 Great Portland Street, W.1. [G.155]
English Joinery Manufacturers' Association, Sackville House, 40 Piccadilly, W.1. [G.142]
Esavian Ltd., Esavian Works, Stevenage, Hertfordshire. [B.40]
Eustace & Partners Ltd., Alliance Works, Western Avenue, W.3. [C.61]
Expanded Metal Co. Ltd., Burwood House, Caxton Street, S.W.1. [E.95]
Expandite Ltd., Cunard Road, N.W.1.0. [K.225]

F

Federated Employers Press Ltd., 82 New Cavendish Street, W.1. [A.4]
Federation of Clinker Block Manufacturers, 16 The Ridings, Surbiton, Surrey. [G.H.G.409]
Federation of Master Builders, 26 Great Ormond Street, W.C.1. [G.H.G.422]
Ferguson, Harry, Ltd., Coventry. [X.378]
Ferodo Ltd., Chapel-en-le-Frith, Stockport. [C.55]
Fibreglass Ltd., Ravenhead, St. Helens, Lancashire. [L.241]
Finch, B., & Co. Ltd., Belvedere Works, Barking-side, Essex. [A.12, 13 & 14]
Finlock Gutters Ltd., 25 Frant Road, Tunbridge Wells. [T.354]
Fire Protection Association, 84 Queen Street, E.C.4. [G.H.G.407]
Fishburn, L., 31 Courthouse Gardens, Finchley, N.3. [N.H.G.543]
Fisons Ltd., Harvest House, Felixstowe, Suffolk. [C.54]
Flavel, Sidney, & Co. Ltd., Eagle Foundry, Leamington Spa. [N.266]
Flexaire Ltd., 108 Victoria Street, Westminster, S.W.1. [G.143]
Flexible Drive & Tool Co. Ltd., The, Queensberry Way, South Kensington, S.W.7. [K.214]
Flexitol Engineering Co. Ltd., Flexitol Works, The Green, Ealing, W.5. [B.35]
Forsters Machine Co. Ltd., 17 Yeading Lane, Hayes, Middlesex. [G.H.G.465-7]
Frenzer Ceilings Ltd., 19-29 Woburn Place, W.C.1. [N.H.G.529]
Froy, W. N., & Sons Ltd., Brunswick Works, King Street, W.6. [Q.304-5]
Furniss & Co., Queens Mill Road, Little Royd, Huddersfield. [N.H.G.532, 534]

G

G. & L. Machinery Ltd., 10 Sidwood Parade, Bridge Road, Wembley Park. [Y.394]
Gardiner, Sons & Co. Ltd., Midland Works, Bristol, 2. [D.89]
Gas Council, The, 1 Grosvenor Place, S.W.1. [P.300]
Gil's (Engineers) Ltd., 81 High Holborn, W.C.1. [E.H.G.612-614]
Gliksten, J., & Son Ltd., Carpenter's Road, Stratford, E.15. [G.144]

Goodenough Contractors' Machinery Ltd., 70-72 London Road, Twickenham, Middlesex. [R.321-2]
 Goodlass, Wall & Co. Ltd., 179-185 Great Portland Street, W.1. [G.H.G.492, 494]
 Gotham Co. Ltd., The, Bentinck Buildings, Wheeler Gate, Nottingham. [N.273]
 Grangers Ltd., Loates Lane, Watford, Hertfordshire. [G.H.G.479]
 Greenwood & Hughes Ltd., 113 Kingsway, W.C.2. [J.194]
 Greenwood's & Airvac Ventilating Co. Ltd., Beacon House, 113 Kingsway, W.C.2. [H.192]
 Grey, Chas. C., 20-21 Tottenham Mews, Tottenham Street, W.1. [E.H.G.647]
 Guiterman, S., & Co. Ltd., 37 Soho Square, W.1. [H.168]
 Gulf Radiators Ltd., Penarth Road, Cardiff. [L.244]
 Guxey Equipment Ltd., 25 Craven Street, W.C.2. [Y.391]
 Gyprok Products Ltd., Westfield, Upper Singlewell Road, Gravesend, Kent. [G.149]
 Gypsum Mines Ltd., Mountfield, Robertsbridge, Sussex. [S.356]

H

Hadfields (Merton) Ltd., Western Road, Mitcham, Surrey. [C.49]
 Hamilton & Co. (London) Ltd., Brush House, Rosslyn Crescent, Wealdstone, Middlesex. [T.346]
 Harvey, G. A. & Co. (London) Ltd., Greenwich Metal Works, S.E.7. [G.150-1]
 Haycraft, M. & L., Ltd., 24, St. Stephen's House, Cannon Row, Westminster, S.W.1. [N.H.G.563]
 Heller & Sons (Engineers) Ltd., Turnpike Lane, Hornsey Road, N.8. [N.H.G.560]
 Hemel Hempstead Engineering Co. Ltd., Cupid Green Foundry, Hemel Hempstead, Hertfordshire. [L.253]
 Her Majesty's Stationery Office, P.O. Box 569, London S.E.1. [G.H.G.451]
 Heskest, Gordon, 24 Goodge Street, Tottenham Court Road, W.1. [N.278]
 Heyman, B., 122 Bethune Road, N.16 [G.H.G.437]
 Heywood, W.H., & Co. Ltd., Bayhall Works, Huddersfield. [G.H.G.484-6]
 Hickson's Timber Impregnation Co. (G.B.) Ltd., Ings Lane, Castleford, Yorkshire. [G.156]
 Highways Construction Ltd., Idlesleigh House, Caston Street, Westminster, S.W.1. [C.56]
 Hilger, & Watts Ltd., 48 Addison Square, S.E.5. [N.H.G.553]
 Hill Aldam, E. & Co. Ltd., Britannic Works, Haslemere Avenue, S.W.18. [R.327-8]
 Hilmore Ltd., 65 Calshot Street, Kings Cross, N.1. [E.23]
 Holcon Ltd., 4 Drapers Gardens, E.C.2. [C.47]
 Holloway Metal Roofs Ltd., 44-46 Queensland Road, Holloway, N.7. [G.H.G.462]
 Holoplast Ltd., 116 Victoria Street, S.W.1. [E.H.G.615]
 Hope, Henry, & Sons Ltd., Smethwick, Birmingham. [D.90-91]
 Houghton Engineers Ltd., Fence House, Co. Durham. [U.358]
 Housing Centre, 13 Suffolk Street, S.W.1. [N.H.G.539]

I

Ide, T. & W., Ltd., Glasshouse Fields, Ratcliffe, E.1. [Q.287]
 Ideal Boilers & Radiators Ltd., Ideal House, Great Marlborough Street, W.1. [Q.310]
 Illustrated Carpenter & Builder, Pioneer House, Wicklow Street, W.C.1. [T.352]
 Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, S.W.1. [D.86-7]
 Impregnated Diamond Products Ltd., Tuffey Crescent, Gloucester. [X.377]
 Institute of Quantity Surveyors, The, 98 Gloucester Place, W.1. [G.H.G.440]
 Institute of Registered Architects, The, 47 Victoria Street, S.W.1. [N.H.G.546]
 Interven Stove Co. Ltd., 146 Marylebone Road, N.W.1. [A.9]
 Interwood Ltd., 326 Old Street, E.C.1. [Y.389]

J

Janitor Boilers Ltd., Vale Road, Camberley, Surrey. [L.247]
 Jenolite Ltd., 43 Piazza Chambers, Covent Garden, W.C.2. [G.H.G.456]
 Jensen & Nicholson Ltd., Jensen House, Stratford, E.15. [R.329 & S.353]
 Johnson G., Bros. Ltd., Cornwall Road, N.15. [F.125]
 Johnson's Reinforced Concrete Engineering Co. Ltd., Artillery House, Artillery Row, S.W.1. [C.45]
 Joint Fire Research Organisation, see DSIR
 Joyce, W. N., & Sons Ltd., 10 Clifton Terrace, Finsbury Park, N.4. [L.243]

K

Kango Electric Hammers, Ltd., Morden Factory Estate, Lombard Road, South Wimbledon, S.W.19. [H.139 & J.216]
 Kemeny, Cardinal House, 39-40 Albemarle Street, W.1. [E.H.G.607]
 Kennedy, W., Ltd., Station Works, West Drayton, Middlesex. [K.233]
 Kerner-Greenwood & Co. Ltd., King's Lynn, Norfolk. [S.337]
 Key Engineering Ltd., 4 Queen Victoria Street, E.C.4. [D.649]
 Kine Engineering Co. Ltd., Multico Works, Horley, Surrey. [Y.392]
 King, J. A., & Co. Ltd., 181 Queen Victoria Street, E.C.4. [F.134]
 King's Langley Engineering Co. Ltd., Kings Langley, Hertfordshire. [G.H.G.410]
 Kwikform Ltd., Waterloo Road, Birmingham, 25. [F.119-120]

L

Labour News, Public Works & Building Weekly, 69 Fleet Street, E.C.4. [A.16]
 Lafarge Aluminous Cement Co. Ltd., 73, Brook Street, W.1. [D.28]
 Langham Export Ltd., 17-18 Margaret Street, W.1. [H.166]
 Langley, London Ltd., 72 Borough High Street, S.E.1. [F.132]
 Langton, H. S., Ace Ladder Works, Bitterne, Southampton. [L.254]
 Lata Doors & Products Ltd., The, Trafalgar Wharf, 40-2 Nine Elms Road, S.W.8. [E.H.G.654]
 Latter, A., & Co. Ltd., 43 South End, Croydon. [N.H.G.561]
 Lawler, Ayres & Co. Ltd., Broad Street House, 54 Old Broad Street, E.C.2. [O.279 & G.H.G.430]
 Lead Industries Development Council, Eagle House, Jermyn Street, S.W.1. [H.189 & J.196]
 Leaderflush Ltd., Trowell, Nottingham. [D.26-7]
 Leeds Fireclay Co. Ltd., Leeds House, Cavendish Square, W.1. [K.227-8]
 Leetex Ltd., 39 Great Pulteney Street, W.1. [E.H.G.644]
 Leng, Christopher, & Sons Ltd., Hazelwell Brush Works, Birmingham, 30. [C.53]
 Levene, Wm., Ltd., 30 Sackville Street, W.1. [E.H.G.643]
 Limmer & Trinidad Lake Asphalt Co. Ltd., Steel House, Tothill Street, S.W.1. [F.128]
 Liner Concrete Machinery Co. Ltd., Park Road Works, Galeshead, 8. [N.271]
 Linoleum Manufacturers Association, The, 273 Regent Street, W.1. [E.H.G.640 & 641]
 Lion Stamping Co. Ltd., Marshgate Lane, Stratford, E.15. [N.H.G.544]
 Liotex Asbestos Flooring Co. Ltd., 10 Jarrold Road, S.E.16. [G.H.G.424]
 Lister, R. A., & Co. Ltd., 15 Kingsway, W.C.2. [H.172-3 & J.212-3]
 Lloyds Bank Ltd., Premises department, 71 Lombard Street, E.C.3. [G.140]
 Loft Ladders Ltd., Broadway Works, Bromley, Kent. [G.H.G.495]
 London Brick Co. Ltd., Africa House, Kingsway, W.C.2. [E.97]
 London Master Builders Association, see NFBE
 London & Midland Steel Scaffolding Co. Ltd., Burwood House, Caston Street, S.W.1. [G.159]
 London Sand Blast Decorative Glass Works Ltd., Seager Place, Burdett Road, E.3. [G.148]
 Lyon, Arthur, & Co. (Engineers) Ltd., Telford Way, W.3. [D.73-4]
 Lyte Ladders Ltd., Lyte Works, Rogerstone, Monmouthshire. [B.19]

M

M. E. Engineering Ltd., 457 Finchley Road, N.W.3. [C.62]
 Machinery (Continental) Ltd., 175 Brompton Road, S.W.3. [L.256]
 Mallinson, Wm., & Sons Ltd., 130-150 Hackney Road, E.2. [E.100]
 Marks, Leslie, & Co. Ltd., 3-9 Earlsam Street, Cambridge Circus, W.C.2. [G.H.G.473]
 Marley Tile Co. Ltd., London Road, Riverhead, nr. Sevenoaks, Kent. [H.181-2 & J.203-4]
 Marshall, G. E., & Co. Ltd., Woodbine Place, Wansstead, E.11. [N.H.G.555]
 Masonite Ltd., Bevis Marks House, E.C.3. [H.187 & J.198]
 Maycrete Ltd., Parliament Mansions, Abbey Street, Westminster, S.W.1. [E.H.G.630-631]
 Medway Buildings & Supplies Ltd., 157 Victoria Street, S.W.1. [E.112]
 Meta Mica Ltd., 50 Bloomsbury Street, W.C.1. [A.10]
 Metal Sections Ltd., Oldbury, Birmingham. [G.147]
 Metsgrays Ltd., North Mymms, Hatfield, Hertfordshire. [N.H.G.554]
 Meyer, Montague L. Ltd., 14 Buckingham Street, Adelphi, W.C.2. [Q.306]
 Midland Bank Ltd., Poultry, E.C.2. [M.257]
 Midland Saw & Tool Co. Ltd., "Midsaw" Works, Pope Street, Birmingham, 1. [X.376]
 Milners' Machinery Co. Ltd., Thorley Works, Bishop's Stortford, Hertfordshire. [M.258-9]

Mills Scaffold Co. Ltd., Trussley Works, Hammer-smith Grove, W.6. [F.121-2]
 Milners Safe Co. Ltd., 58, Holborn Viaduct, E.C.1. [S.331]
 Ministry of Housing & Local Government, Whitehall, S.W.1. [G.H.G.453, 455]
 Ministry of Works, Lambeth Bridge House, Albert Embankment, S.E.1. [G.H.G.445, 447, 449]
 Molesey Sheet Metal Works, 14 Grove Road, East Molesey, Surrey. [E.H.G.652]
 Mould, A. B., & Construction Co. Ltd., 92 Whitehorse Road, Croydon. [Q.163]
 Moulded Components (Jablo) Ltd., Mill Lane, Waddon, Surrey. [N.H.G.522]
 Mundet Cork Products, Ltd., Vicarage Works, Vicarage Road, Croydon. [G.H.G.412]
 Municipal Journal, The, 3-4 Clements Inn, W.C.2. [G.H.G.419]
 Munster Chemical Co., 226 Munster Road, Fulham, S.W.6. [N.H.G.557]
 Myko Floors, The Old Brickworks, Church Road, Harold Wood, Essex. [G.H.G.434]

N

Nairn, M., & Co. Ltd., 131 Aldersgate Street, E.C.1. [G.H.G.442, 444]
 Nash, H. R., Ltd., Craddocks Parade, Ashted, Surrey. [N.267]
 National Coal Board, Grosvenor Place, S.W.1. [E.110]
 National Federation of Building Trades Employers, 82 New Cavendish Street, W.1. [G.H.G.478, 480 and 482]
 National Federation of Clay Industries, Drayton House, 30 Garden Street, W.C.1. [D.88]
 National Flooring Co. Ltd., 185 Hammersmith Road, W.6. [K.231]
 National Provincial Bank Ltd., 15 Bishopsgate, E.C.2. [Y.393]
 Natural Asphalt Mine-Owners' and Manufacturers' Council, 94-98 Petty France, Westminster, S.W.1. [B.39]
 Neal, R. H., & Co. Ltd., Plant House, Ealing, W.5. [Y.387]
 Nevastane Products (Hornsey) Ltd., 201 Hornsey Road, N.7. [N.274]
 New Era Publishing Co. Ltd., Pitman House, Parker Street, W.C.2. [D.20]
 Newsum, H., Sons & Co. Ltd., Lincoln. [G.H.G.446]
 "Noelite" Ltd., Noelite Works, Borough Green, Kent. [H.188]
 Nortons' Plant Hire, Ramsden, Billericay, Essex. [C.64]
 Nufford Ltd., 34-36 Lauriston Road, Hackney, E.8. [J.197]
 Nuralite Sales Ltd., 3-4 Whitehall Place, Gravesend, Essex. [L.248-9]

O

Official Architecture & Planning, 63 Neal Street, Shaftesbury Avenue, W.C.2. [T.350]
 Oliver, William, & Sons Ltd., 12-13 Bow Lane, E.C.4. [F.139]
 Orlit Ltd., Precast Concrete Works, Colnbrook-by-Pass, Buckinghamshire. [E.H.G.600 and 602]
 Osman, Wm., 145a High Road, Whetstone, N.20. [G.H.G.469 and 471]

P

Packard & Ord Ltd., Barnfield, Marlborough, Wiltshire. [G.T.G.457]
 Palmers Travelling Cradle & Scaffold Co. Ltd., 129-131 Great Suffolk Street, S.E.1. [H.174 and J.211]
 Panel Parquetry Ltd., Sussex Chambers, Rhyll, Flintshire. [E.H.G.655]
 Panelwood Ltd., Avenue G, Aycliffe Trading Estate, Aycliffe, Darlington. [G.H.G.493]
 Parker, Frederick, Ltd., Viaduct Works, Catherine Street (Ext.), Leicester. [P.296-7]
 Parry & Sons (Tools) Ltd., 329-333 Old Street, E.C.1. [G.H.C.423]
 Parsons, Thos., & Sons Ltd., 70 Grosvenor Street, W.1. [E.96]
 Pearl Varnish Co. Ltd., Treforest Estate, Pontypridd. [N.H.G.558]
 Peerless Built-in Furniture Ltd., Western Avenue, Perivale, Greenford, Middlesex. [B.41]
 Peglers Ltd., Prestex House, Marshalsea Road, S.E.1. [E.102]
 Pegsons Ltd., Coalville, Leicestershire. [C.59]
 Penfold Fencing & Engineering Ltd., Imperial Works, Balmoral Road, Watford, Hertfordshire. [C.44]
 Permacam Paint Co. Ltd., 644 Uxbridge Road, Reading. [N.H.G.565]
 Pesture Ltd., 30 Cavendish Square, E.1. [G.H.G.405]
 Philip Flooring Co. Ltd., 66-8 Hertford Road, Dalston, N.1. [G.H.G.470]
 Philips Electrical Ltd., Century House, Shaftesbury Avenue, W.C.2. [R.320]
 Philplug Products Ltd., Lancelot Road, Wembley, Middlesex. [K.220]
 Pickles, John, & Son (Engineers) Ltd., Hebden Bridge, Yorkshire. [V.368 and W.369]
 Pilkington Bros. Ltd., St. Helens, Lancashire. [F.133]

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833
834
835
836
837
838
839
840
841
842
843
84

Pioneer Mixers Ltd., 31 Front Street, Monkseaton, Northumberland. [S.345]
 "Prefabrication," 4 Vernon Place, W.C.1. [E.H.G.626-7]
 Prestressed Concrete Development Group, 52 Grosvenor Gardens, S.W.1. [N.H.G.500-6]
 Price, D. W., & Sons Ltd., Braemar Works, Neasden Lane, N.W.10. [T.351]
 Pritchard, R. W. (Mfg.) Ltd., Macfarlane Road, W.21. [G.H.G.496]
 Prowse, Keith, & Co. Ltd., 159 New Bond Street, W.1. [L.236]
 Pyrene Co. Ltd., The, 9 Grosvenor Gardens, S.W.1. [G.H.G.497, 499]
 Pyrol Ltd., 401-404, Montrose Avenue, Trading Estate, Slough, Buckinghamshire. [B.31]

Q

Quickdraw Co. Ltd., 127 Gunnersbury Avenue, W.3. [N.H.G.559]

R

Radiation Group Sales Ltd., Solid Fuel Division, Leeds, 12. [M.264]
 Railway Executive, 222 Marylebone Road, N.W.1. [Z.397]
 Randall, William, & Co. (Horsham) Ltd., Slinfold, Horsham, Sussex. [E.106]
 Range Boilers Ltd., 96-98 Victoria Street, S.W.1. [N.269]
 Rapid Metal Developments Ltd., 209 Walsall Road, Perry Bar, Birmingham, 22b. [F.114-5]
 Rawlings Bros. Ltd., 85 Gloucester Road, South Kensington, S.W.7. [C.58]
 Rawplugs Co. Ltd., The, Rawplugs House, Cromwell Road, S.W.7. [L.242]
 Redhill Tile Co. Ltd., Moorhouse, near Westerham, Kent. [E.99]
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 Remington Rand Ltd., 1-19 New Oxford Street, W.C.1. [G.H.G.438]
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 Revol Ltd., 97 Quayside, Newcastle-on-Tyne. [Q.303]
 Rhodes Chains Ltd., Beacon House, 113 Kingsway, W.C.2. [J.193]
 Richard Sharp Studios Ltd., 5 White Hart Lane, S.W.13. [E.H.G.608]
 Road Machines (Drayton) Ltd., Horton Parade, West Drayton, Middlesex. [O.282 and Portcullis Avenue 356]
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 Robinson, Thomas, & Son Ltd., Railway Works, Rochdale. [V.367 and W.370]
 Ronald, S. W., & Co. (London) Ltd., 329 High Holborn, W.C.1. [G.H.G.468]
 Roura & Fargas Ltd., 27-37 Broadwick Street, W.1. [L.255]
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 Ruddick, Harold G., & Co. Ltd., Alpha Works, Havelock Road, Southall. [N.H.G.515]
 Russell, Macdonald, & Co. Ltd., 31-35 Pitfield Street, N.1. [L.246]
 Rye Engineering Works (High Wycombe) Ltd., Lancaster Road, High Wycombe, Buckinghamshire. [X.383]

S

Safety Tread Syndicate Ltd., The, Dace Road, Old Ford, E.3. [E.H.G.606]
 Sagar, J., & Co. Ltd., Canal Works, Halifax, Yorkshire. [U.358, V.366 and W.371]
 Sale Tilney (Agricultural & Industrial) Ltd., 16, Byward Street, E.C.3. [E.H.G.645-6]
 Sal-Ferricite & Trading Co. Ltd., 748 Fulham Road, S.W.6. [B.37]
 Sand Lime Brick Manufacturers' Association, The, 55 Romney Street, S.W.1. [C.57]
 Sankey, Joseph, & Sons Ltd., Hadley Castle Works, Wellington, Shropshire. [C.51]
 Saunders, H. A., Ltd., Industrial Tractor Division, 836-842 High Road, North Finchley, N.12. [F.116-7]
 Scaffolding (G.B.) Ltd., Mitcham, Surrey. [F.126-7 and G.H.G.452]
 Schubert, H., Ltd., Imperial Works, Wenlock Road, City Road, N.1. [V.363 and W.374]
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 Sealcrete Products Ltd., Atlantic Works, Hythe Road, N.W.10. [H.191]
 Secomastic Ltd., 11 Upper Brook Street, Park Lane, W.1. [A.2-3]
 Semtex Ltd., 185-189 Finchley Road, N.W.3. [E.101]
 Shaftesbury Ladders Ltd., 453 Katherine Road, Forest Gate, E.7. [B.21-22]
 Shapland & Pether Ltd., successors to, Raleigh Works, Barnstaple, North Devon. [S.333]

Sharp Bros. & Knight Ltd., Burton-on-Trent, Staffordshire. [P.293]
 Shaw, A., & Son (Diamonds) Ltd., Waterloo Works, Waterloo Road, North Circular Road, N.W.2. [G.H.G.459]
 "Shetack" Tool Works Ltd., Tunstall Road, Brixton, S.W.9. [S.344]
 Shires & Co. (London) Ltd., Greenbottom Works, Guiseley, Yorkshire. [N.276-7]
 Sika Ltd., 82 Victoria Street, S.W.1. [K.221]
 Silixine Paints Ltd., Goldhawk Road, W.6. [C.43]
 Simms, W. J., Sons & Cooke Ltd., Sherwood, Nottingham. [E.H.G.632-635]
 Simpson, W. B., & Sons Ltd., St. Martins House, 374 Wandsworth Road, S.W.8. [G.H.G.458]
 Skarsten Manufacturing Co. Ltd., 21 Hyde Way, Welwyn Garden City, Hertfordshire. [G.H.G.429]
 Slingsby, H. C., Ltd., 89, 95 and 97 Kingsway, W.C.2. [K.235]
 S.M.D. Engineers Ltd., 2 Buckingham Avenue, Trading Estate, Slough, Buckinghamshire. [S.342]
 Smith, D. F., & Co. Ltd., Mill Street, Kidderminster. [N.H.G.513]
 Smith, John, & Co. (London) Ltd., 169 Shaftesbury Avenue, W.C.2. [C.63]
 Smith & Wellstood Ltd., 63 Conduit Street, W.1. [P.292]
 Smith's Fireproof Floors Ltd., Imber Court, East Molesey, Surrey. [P.294-5]
 Society for the Protection of Ancient Buildings, The, 55 Great Ormond Street, W.C.1. [N.H.G.507]
 Solid Smokeless Fuels Federation, 1 Grosvenor Place, S.W.1. [N.365]
 Sommerfelds Ltd., Wellington, Shropshire. [E.113]
 Sondheimer, M., Sodal Works Ltd., 6 Woodberry Place, St. John's Road, 15. [G.H.G.411]
 South Eastern Brick & Tile Federation, 224a Shaftesbury Avenue, W.C.2. [E.92]
 Sponcel Ltd., Woldham Road, Bromley, Kent. [G.H.G.404]
 Staines Kitchen Equipment Co. Ltd., 94 Victoria Street, S.W.1. [C.60]
 Standard Catalogue Co. Ltd., 26 Bloomsbury Way, W.C.1. [K.224]
 Stanley, W. F., & Co. Ltd., New Eltham, S.E.9. [S.341]
 Steel Radiators Ltd., Stelrad Works, Bridge Road, Southall, Middlesex. [P.301]
 Steel Scaffolding Co. Ltd., 82, Victoria Street, S.W.1. [D.76-7]
 Stenners of Tiverton Ltd., Lowman Works, Tiverton, Devon. [V.365]
 Stephens & Carter Ltd., 731-761 Harrow Road, N.W.10. [B.326]
 Sterling Foundry Specialities Ltd., Sterling Works, Bedford. [D.70]
 Steventon, John, & Sons Ltd., Royal Pottery, Burslem, Stoke-on-Trent, Staffordshire. [K.222-3]
 Stewarts and Lloyds Ltd., Brook House, Upper Brook Street, W.1. [R.324]
 Stopper Manufacturing Co. Ltd. (Logicol), Tavu Works, Waterloo, Huddersfield, Yorkshire. [G.H.G.403]
 Stothert & Pitt Ltd., Bath, Somerset. [O.288-9]
 Stramit Boards Ltd., Packet Boat Dock, Cowley Peachey, Uxbridge, Middlesex. [L.237-8]
 Stroud Bros. Ltd., 160 Church Walk, N.16. [E.H.G.609-610]
 Surflex Flooring Co., Siding Works, Camberley Station, Camberley, Surrey. [N.H.G.556]
 Sussex & Dorking United Brick Companies Ltd., 14 Market Square, Horsham, Sussex. [F.135-6]
 Sussex Cement & Concrete Products, "Hillside," Washington, Pulborough, Sussex. [N.H.G.511]

T

Taylor, Robert, & Co. (Ironfounders) Ltd., 66 Victoria Street, S.W.1. [O.286]
 Teles Smith Ltd., 8 South Wharf, Paddington, W.2. [N.H.G.514 and 516]
 Tella Co. Ltd., The, Tella House, Boswell Street, Queens Square, W.C.1. [E.H.G.611]
 Templar, C. G., & Co. Ltd., 109 Bolloa Bridge Road, Acton, W.3. [J.292]
 Thames Board Mills Ltd., Purfleet, Essex. [N.H.G.525 and 527]
 Thermocon Ltd., 39 Victoria Street, S.W.1. [D.89]
 Thermalite Ltd., 4 Lower Regent Street, S.W.1. [L.240]
 Thompson, John, Beacon Windows Ltd., Ettingshall, Wolverhampton. [P.298]
 Thwaites Agricultural Engineering Co. Ltd., The, Welsh Road Works, Cubbington, Leamington Spa. [C.66]
 Timber Development Association Ltd., 21 College Hill, E.C.4. [P.299]
 Tong, M. P., & Co. Ltd., 33 Venetian Road, Camberwell, S.E.5. [N.H.G.555A]
 Torrance & Sons Ltd., Bitton, near Bristol [O.288/9]
 Tretol Ltd., 12 North End Road, N.W.11. [K.230]
 Trianco Ltd., Imber Court, East Molesey, Surrey. [O.290/1 and P.294/5]
 Trinley Foundry Ltd., Great Bridge, Staffordshire. [N.270]

True Flue Ltd., Convector House, Acacia Road, St. John's Wood, N.W.8. [A.11]
 Tubala Engineering Co. Ltd., 6, Furze Street, E.3. [G.H.G.466]
 Tubewrights Ltd., see Stewarts and Lloyds Ltd., Turner, Charles, & Son Ltd., Bloomsbury House, 165 High Holborn, W.C.1. [F.131]
 Turner's Asbestos Cement Co. Ltd., Trafford Park, Manchester, 17. [B.28/9]
 Twistel Reinforcement Ltd., 43 Upper Grosvenor Street, W.1. [D.80]
 Tyre Products Ltd., Palace of Engineering, Wembley. [N.H.G.509]
 Tyzack, S., & Son Ltd., 341, 343 and 345 Old Street, Shoreditch, E.C.1. [G.H.G.425 and 427]

U

Union Glue & Gelatine Co., Ltd., The, Cransley Works, Garrett Street, Golden Lane, E.C.1. [B.36]
 Unique Balance Co. Ltd., West Hendford, Yeovil, Somerset. [G.H.G.474]
 United Sponge Co. Ltd., The, 63 The Highway, E.1. [G.H.G.417]
 Ure, Allan, Ltd., Springbank Ironfoundry, Keppochhill, Glasgow, N. [L.250]

V

Venetian Vogue Ltd., 408 Montrose Avenue, Slough, Bucks. [Q.317]
 Victory Valves Ltd., 92 Marsham Street, S.W.1. [G.H.G.433]
 Vigers, A., Sons & Co. Ltd., 58-59 Poland Street, Oxford Street, W.1. [H.183]
 Vinatex Ltd., Devonshire Road, Carshalton, Surrey. [S.334]
 Vitreco Ltd., Dafen, Llanelly, South Wales. [Q.318]
 Volspray Ltd., Grosvenor Gardens House, S.W.1. [G.H.G.421]
 Vulcan Manufacturing (Wolverhampton) Ltd., New Griffin Works, Wolverhampton. [G.H.G.439 and 441]

W

Wadkin Ltd., Green Lane Works, Leicester. [U.359]
 Ward, Thos. W., Ltd., Albion Works, Sheffield. [H.170]
 Ward's Flexible Rod Co. Ltd., 81 High Street, Farnborough, Kent. [L.251]
 Warerite Ltd., Watton Road, Ware, Hertfordshire. [D.81]
 Warry Patent Building Equipment Co. Ltd., North Feltham Trading Estate, Faggs Road, Feltham, Middlesex. [D.67]
 Warsop Power Tools Ltd., 27 Regent Street, S.W.1. [K.219]
 Watts (Factors) Ltd., Lydney, Gloucestershire. [S.332]
 Waverly Book Co. Ltd., The, 96 and 97 Farringdon Street, E.C.4. [G.H.G.460]
 Weatherill, F. E., Ltd., Union Row, N.17. [G.162]
 Westland Engineers Ltd., Yeovil, Somerset. [G.H.G.472]
 Westminster Abbey. [G.H.G.431]
 White, Thomas, & Sons Ltd., Laighpark, Paisley. [V.364 and W.373]
 Whitehill Spindle Tools Ltd., 86 Beverley Way, S.W.20. [Z.398]
 Whitlock Bros. Ltd., Great Yeldham, Essex. [F.118]
 Wickham Engineering Co. Ltd., 34 Victoria Street, S.W.1. [G.160/1]
 Wild, Thos. C. (Machinery) Ltd., Vulcan Works, Sheffield, 9. [E.H.G.657 and outside site]
 Williams, John, & Sons (Cardiff) Ltd., East Moors Road, Cardiff. [K.226]
 Williams & Williams Ltd., Reliance Works, Chester. [D.83]
 Wilson Bros. (Leeds) Ltd., Victoria Machine Works, Victoria Road, Holbeck, Leeds, 11. [W.375]
 Witlor Ltd., 107-109, Lancaster Street, Birmingham. [H.169]
 Wolf Electric Tools Ltd., Pioneer Works, Hanger Lane, Ealing, W.5. [G.H.G.489 and 491]
 "Woodworking Industry," The, 180, Fleet Street, E.C.4. [U.361]
 Woodworm & Dryrot Control, Ltd., 23 Bedford Square, W.C.1. [N.H.G.526]

Y

Yorkshire Copper Works Ltd., The, Leeds, and Barrhead, Scotland. [G.146]
 Youngman, W. C., Ltd., Wandsworth Works, Wandsworth Road, S.W.8. [H.176, J.209 and K.218]

Z

Zinc Alloy Rust-Proofing Co. Ltd., Shakespeare Street, Wolverhampton, Staffordshire. [T.348]
 Zinc Development Association, Lincoln House, Turl Street, Oxford. [D.82]

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Alphabetical Index to Advertisers

	PAGE		PAGE		PAGE
Aero Research, Ltd.	xlviii	Forer Ceilings, Ltd.	xxvi	Philips Electrical Ltd.	ix
Aircrow Co. & Jewood, Ltd., The	viii	Gas Council	xiv	Philips Products, Ltd.	xc
Allen, W. G., & Sons (Tipton), Ltd.	cix	Gaskell & Chambers, Ltd.	xxviii	Phoenix Timber Co., Ltd., The	xcv
Anderson, D., & Son, Ltd.	lxxvi, cxxix	Green, J. H. & F. W., Ltd.	cxxv	Plywood & Timber Products Agencies, Ltd.	ii
Architectural Press, Ltd., The	liii	Greenwood & Hughes, Ltd.	cxxv	Pollard, E., & Co., Ltd.	liv
Arens Controls, Ltd.	xii	Greenwood's & Airvac Ventilating Co., Ltd.	xxxix	Pyrene Co., Ltd., The	cxlii
Armstrong Cork Co., Ltd.	cxvii	Gulf Radiators, Ltd.	lxxii	Pyrotex, Ltd.	cxlii
Associated Fire Alarms, Ltd.	xxvii	G.W.B. Electric Furnaces, Ltd.	cxliii	Radiation, Ltd.	xlx
Association of Vermiculite Exfoliators, The	lxxxviii	Gyproc Products, Ltd.	vii	Redhill Tile Co., Ltd.	cxvii
Avery, J., & Co., Ltd.	xxvii	Gypsum Mines, Ltd.	cxvi	Remploy, Ltd.	cxvii
Avon India Rubber Co., Ltd., The	xxvi	Halden, J., & Co., Ltd.	cxvii	Rentokil, Ltd.	cxvii
Batley, Ernest, Ltd.	cxli	Hammill Brick Co., Ltd.	lxxviii	Rhodes Chains, Ltd.	cxlix
Berger, Lewis, (Great Britain), Ltd.	lxxvii	Harper, John, & Co., Ltd.	lxiii	Richardson & Starling, Ltd.	cxlix
Berry, Wiggins & Co., Ltd.	lxxix	Heywood, W. H., & Co., Ltd.	xvii	Robbs Cement Enamel Finishes, Ltd.	cxv
Binn, A. J., Ltd.	cxvii	Hickson's Timber Impregnation Co. (G.B.), Ltd.	cxvii	Ronuk, Ltd.	cxvii
Birmid Industries, Ltd.	lxxix	Hills (West Bromwich), Ltd.	lxxviii	Rownson, Drew & Clydesdale, Ltd.	cxvii
Birmingham & Blackburn Construction Co., Ltd.	cxvii	Hobart Manufacturing Co., Ltd., The	lxxvii	Sanders, Wm., & Co. (Widnesbury), Ltd.	cxliii
Blundell, Spence & Co., Ltd.	lxxviii	Holcon, Ltd.	lxxxvii	Saro Laminated Wood Products, Ltd.	lii
Boulton & Paul, Ltd.	cxvii	Hope, Henry, & Sons, Ltd.	cxvii	Scaffolding (Great Britain), Ltd.	lvi
Bovis, Ltd.	lxxxviii	Hornblow, Ltd.	lxxx	Sebel Products, Ltd.	cxvii
British Constructional Steelwork Association	cxli	Hostess Tubular Equipment, Ltd.	cxli	Shannon, Ltd., The	lxxxviii
British Electricity	cxli	Imperial Chemical Industries, Ltd.	cxli	Sharp Bros. & Knight, Ltd.	cxli
British Hermesal, Ltd.	lxxxvii	Industrial Engineering, Ltd.	cxli	Shires & Co. (London), Ltd.	cxli
British Rubber Development Board	cxvi	International Paints, Ltd.	lx	Siegwart Floor Co., Ltd.	xxv
British Thomson-Houston Co., Ltd., The	xl	Jenolite, Ltd.	lviii	Silexine Paints, Ltd.	l
British Trolley Track Co., Ltd.	cxli	Johnson's Reinforced Concrete Engineering Co., Ltd.	lxxvi	Smiths English Clocks, Ltd.	cxvii
Broad & Co., Ltd.	cxlii	Kay, Wm. (Bolton), Ltd.	lxxvi	Smith's Fireproof Floors, Ltd.	cxvii
Brooks Air & Heat Systems, Ltd.	lxx	Kenyon, Wm., & Sons, Ltd.	lxli	Sommerfeld's, Ltd.	cxv
B.S.A. Motor Cycles, Ltd.	cxlii	Key Engineering Co., Ltd., The	lxxxvii	Southern, Ltd.	cxli
Cafferata & Co., Ltd.	cxli	King, Geo. W., Ltd.	lxxxvii	Spencer Lock & Co., Ltd. (Royal Board)	lxxxvii
Canadian International Trade Fair	cxliii	Kwikform, Ltd.	lxxxiv	Spirax-Sarco, Ltd.	cxvii
Cape Asbestos Co., Ltd.	lxlii	Laing, John, & Son, Ltd.	cxliii	Steel Radiators, Ltd.	lxxxvii
Carter & Co., Ltd.	lxxxix	Leaderflush, Ltd.	cxliii	Stelcon (Industrial Floors), Ltd.	lxxxviii
Celotex, Ltd.	iv	Lead Industries Development Council	cxliii	Sundalea Board Co., Ltd.	xlvi
Chance Brothers, Ltd.	cxviii	Limmer & Trinidad Lake Asphalt Co., Ltd., The	lxxxviii	Taylor, Robt., & Co. (Ironfounders), Ltd.	cxix
Chubb & Son's Lock & Safe Co., Ltd.	lxxxvi	Linoxium Manufacturers' Association, The	cx	Thermacoust, Ltd.	xxi
Clarke Ellard Engineering Co., Ltd.	lxli	Linxread, Ltd.	lxxx	Thermalite, Ltd.	lxix
Colt Ventilation, Ltd.	lxxxv	London Brick Co., Ltd.	Front cover	Thompson, John, Beacon Windows, Ltd.	lxvi
Colt, W. H. (London), Ltd.	lxxxv	MacAndrews & Forbes, Ltd.	xxxv	Thorn, J., & Sons, Ltd.	cx
Concrete, Ltd.	cl	McCall's Macalloy, Ltd.	vi	Thorp, John B.	cxviii
Crittall Mfg. Co., Ltd.	xlvi	Main, R. & A., Ltd.	xviii	T.I. Aluminium, Ltd.	lxxxv
Cullum, Horace W., & Co., Ltd.	xxii	Mallinson, Wm., & Sons, Ltd.	cxli	Timber Development Association, Ltd.	lxxxvii
Cuthell, D. M., & Co., Ltd.	cxix	Manchester Tinning Co., Ltd.	cx	Trotol, Ltd.	lx
Denny Mott & Dickson, Ltd.	xix	Marley Tile Co., Ltd., The	xii, ciii	Triplex Foundry, Ltd.	cxli
Doulton & Co., Ltd.	cxviii	Masonite, Ltd.	lxv	True Flue, Ltd.	xi
Durastel, Ltd.	cxv	Merchant Trading Co., Ltd., The	xxiv	Trussed Concrete Steel Co., Ltd.	lix
Duresco Products, Ltd.	cxviii	Metallic Seamless Tube Co., Ltd., The	xx	Tucker, Duncan (Tottenham), Ltd.	cxix
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Easicleen Porcelain-Enamel (1938), Ltd.	lxiv	Meta Mica, Ltd.	lxli	Val de Travers Asphalt Paving Co., Ltd., The	lii
Econa Modern Products, Ltd.	cxii	M.H. Scaffold Co., Ltd.	li	Venus Pencil Co., Ltd.	cxviii
Edison Swan Electric Co., Ltd.	clv	M.K. Electric, Ltd.	li	Walpamur Co., Ltd., The	x
Elgood, E. J., Ltd.	cxviii	Newall's Insulation Co., Ltd.	lviii	Ward & Co.	cxviii
Ellison, George, Ltd.	cxviii	Newsom, H., Sons & Co., Ltd.	xi	Wheatly & Co., Ltd.	xxx
Ellis School of Building	cxviii	Orlit, Ltd.	xv	Williams & Williams, Ltd.	xxix, lxi
Esavian, Ltd.	cxix	Packard & Ord, Ltd.	cxv	Wimpey, George, & Co., Ltd.	lxxi
Eyode, Ltd.	v	Pesture, Ltd.	lxxxv	Wood, Edward, & Co., Ltd.	xlvi
Feb (Great Britain), Ltd.	cxvi			Woodworm & Dry Rot Control, Ltd.	cxiv
Fibonite	cxv			Zinc Alloy Rust Proofing Co., Ltd.	cxviii
Finlock Gutters, Ltd.	lxxxvii			Zinc Development Association	cxlii

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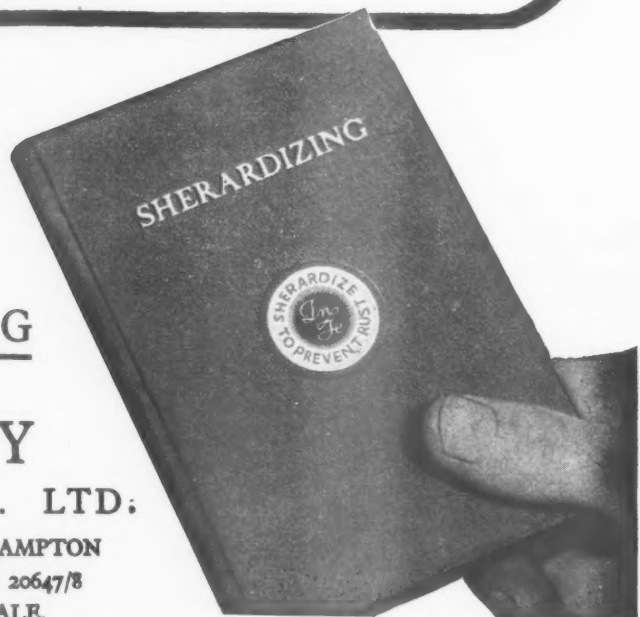
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PAGE
c
xc
xcv

li
liv
cxxxli
cxxxlii
xlxx
xcl
cxxxvii
cxxxiv
cxxxix
cxxxix
cxxxv
cxxxvi
cxxxiv
cxxxlii
lii
lvi
cxxxli
lxxxlii
cxxxli
c
xxv
l
xcvii
xxxlii
cxxxv
ciii
cxxxvi
cvi
lxxxv
lxxxlii
xlvi
cxxx
xxi
lxxx
lxvi
cx
cxxxli
lxxxv
lxxxlii
ix
cxxxli
xl
lix
cxxx
cxxxiv
iii
cxxxlii
x
cxxxli
xxx
xxix, lxi
lxxi
xlvi
cxxxiv
cxxxlii
cxxxli



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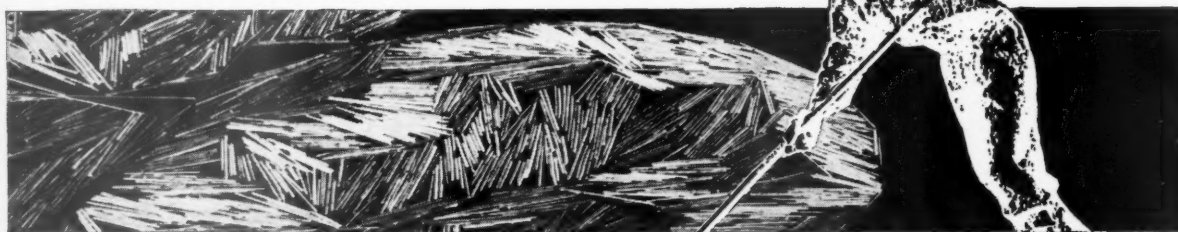
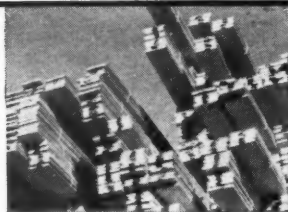
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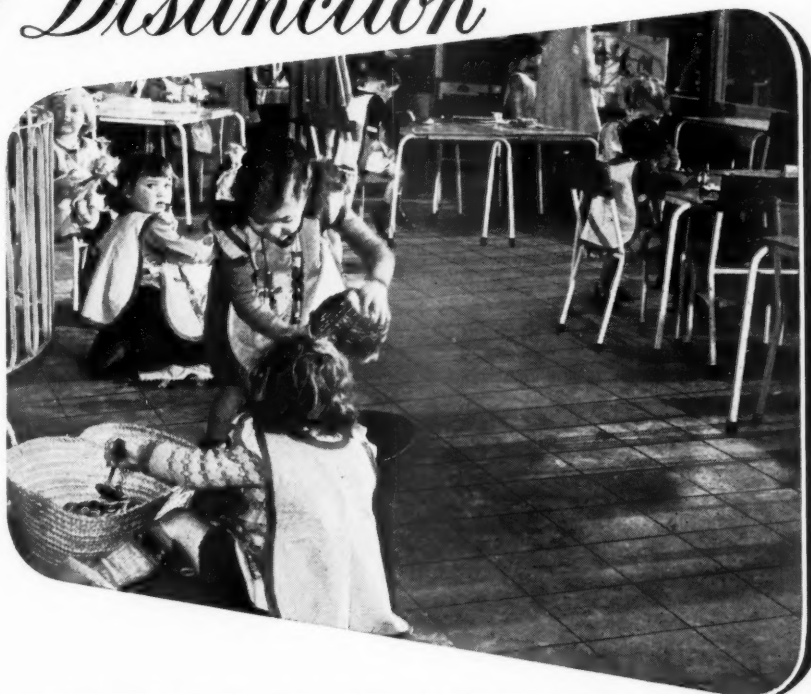
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