TINE ARTS DELT. The Architects' JOURNAL for December 11, 1947 AR C H DI RR ★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers. The glossary is pub-lished in two parts—A to H one week, I to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address. Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1. Sloane 3158 IAAS Institution of Civil Engineers. Great George Street, S.W.1. Whitehall 4 Institute of Clayworkers. 4, Vernon Place, W.C.1. Chancery 6 Institution of Electrical Engineers. Savoy Place, W.C.2. Temple Bar 7 Illuminating Engineering Society. 32, Victoria Street, S.W.1. Abbey 5 Institution of Gas Engineers. 1, Grosvenor Place, S.W.1. Sloane 8 ICE Whitehall 4577 ICW Chancery 6258 Temple Bar 7676 IEE Abbey 5215 Sloane 8606 IFS IGE IHVE standard contents Victoria 0146/7 every issue does not necessarily contain IIBD Incorporated Institute of British Decorators. Drayton House, Gordon Street, Institute of Landscape Architects. 12, Gower Street, W.C.1. Institute of Builders. 48, Bedford Square, W.C.1. Institute of Registered Architects. 47, Victoria Street, S.W.1. Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1. Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1. Whitehall 7264 W.C.1. Euston 2450 all these contents, but they are ILA IOB the regular features which continually recur. IRA ISE LIDC NEWS and COMMENT London Master Builders' Association. 47, Bedford Square, W.C.1. MARS Group (English Branch of CIAM). 46, Sheffield Terrace, W.8. Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1. W LMBA Museum 3891 MARS MOA Park 7678 Ministry of Agriculture and Fisheries. 55, Whitehau, S.W.1. Ministry of Agriculture and Fisheries. 55, Whitehau, S.W.1. Ministry of Education. Belgrave Square, S.W.1. Ministry of Labour and National Service. St. James's Square, S.W.1. Ministry of Supply. Shell Mex House, Victoria Embankment, W.C. Gerrard 6933 Ministry of Transport. Berkeley Square House, Berkeley Square, W.1. Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1. Whitehall 8411 Beliance 7611 Whitehall 3400 Diary MOE MOH News MOLNS MOS Architects' Commonplace Book MOT MOTCP Astragal's Notes and Topics MOW Ministry of Works. Lambeth Bridg^a House, S.E.1. Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1. Reliance 7611 Letters -NAMMC Abbey 1010 Abbey 5277/8 National Association of Shopfitters. 9, Victoria Street, S.W.I. Aboys 5277/8 National Buildings Record. 37, Onslow Gardens, S.W.7. Kensington 8161 National Council of Building Material Producers. 2, Caxton Street, S.W.1. Societies and Institutions NAS NBR NCBMP SECTION TECHNICAL Abbey 5111 National Federation of Building Trades Employers. 82, New Cavendish Street, NFBTE W.1. Langham 4041 Information Sheets National Federation of Building Trades Operatives, Federal House, 20A, Cedars Road, Clapham, S.W.4. National Federation of Housing Societies. 13, Suffolk St., S.W.1. Whitehall 2881/2/3 National House Builders Registration Council. 82, New Cavendish Street, W.1. NFBTO Information Centre NFHS NHBRC Current Technique Langham 4041 NHTPC National Housing and Town Planning Council. 41, Russell Square, W.C.1. Questions and Answers Museum 1264 Molesey 1380 National Physical Laboratory. Head Office, Teddington. Molesey 1380 National Register of Industrial Art Designers. National Gallery, Trafalgar Square, W.C.2. Whitehall 2415 National Smoke Abatement Society. Chandos House, Buckingham Gate, SW1 Abbay 1350 NPL Prices NRIAD NSAS The Industry National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.I. Whitehall 0211/2 Political and Economic Planning. 9, Gueen Anne's Gate, S.W.I. Whitehall 0211/2 Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.I. Reliance 7611 NT PHYSICAL PLANNING PEP **PWB** SUPPLEMENT Reinforced Concrete Association. 94, Petty France, S.W.I. Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh. Royal Institute of British Architects. 66, Portland Place, W.I. Royal Institute of British Architects. 66, Portland Place, W.I. Royal Institution of Chartered Surveyors. 12, Great George St., S.W.I.Whitehall5322 Royal Society. Burlington House, Piccadilly, W.I. Regent 1446 Royal Society of Arts. 6, John Adam Street, W.C.2. Royal Society of Arts. 6, John Adam Street, W.C.2. Royal Society of British Paint Manufacturers. 20, Piccadilly, London, W.I. Society of British Paint Manufacturers. 20, Piccadilly, London, W.I. Society for Cultural Relations with the USSR. 98, Gower Street, W.C.1. Euston 6272/3 RCA RIAS CURRENT BUILDINGS RIBA RICS RFAC HOUSING STATISTICS RS RSA RSI RIB Architectural Appointments SBPM SCR Vacant Wanted and Euston 6272/3 SFMA School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C. Chancery Chancery 5313 Structural Insulation Association. 14, Moorgate, London, E.C.2. Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.1. Metropolitan 8344 SIA SIA Scottish National Town Planning Council. 11, Drumsheugh Gardens, Edinburgh, 3. Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1. Holborn 2646 SNTPC SPAB Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2. Temple Bar 5006 Timber Development Association. 75, Cannon Street, E.C.4. Town Planning Institute. 18, Ashley Place, S.W.1. Timber Tendor Enderstion Street E.C.4. No. 2757] [VOL. 106 ТСРА Timber Development Association. 75, Cannon Street, E.C.4. Town Planning Institute. 18, Ashley Place, S.W.1. Timber Trades Federation. 81, Cannon Street, E.C.4. War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1. Mayfair 8866 ARCHITECTURAL THE PRESS 9,11 and 13, Queen Anne's Gate, Westminster, S.W.1. Phone : Whitehall 0611 TDA TPI S.W.1. WDC Price 9d. Welfare Equipment Development Association. 61, St. Paul's Churchyard, E.C.4. City 4263/4 WEDA Registered as a Newspaper ZDA Zinc Development Association. Lincoln House, Turl Street, Oxford. Oxford 47988

"DIFUSAIRE" DISTRIBUTORS FOR WALLS AND CEILINGS

GREENWOOD'S AND AIRVAC VENTILATING COMPANY LIMITED SPECIALISTS IN THE DESIGN AND MANUFACTURE OF VENTILATORS AND COMPLETE VENTILATING UNITS BEACON HOUSE, KINGSWAY, LONDON, W.C.2. Telephone : CHANCERY 8135/6/7

what is STRAMIT?

STRAMIT is a new, light-weight, insulating, structural board, simple and economical to use, and FREE of LICENCE.

STRAMIT is straw + pressure + heat.

STRAMIT is light, rigid, tough. easily worked with ordinary carpenters' tools.

STRAMIT is suitable for all forms of partition, for wall linings, ceilings, roof and floor insulation, exhibition and window display.

STRAMIT boards are sold at a competitive price in 8 ft. x 4 ft. sheets, 2 in. thick.

For further particulars apply to your nearest Lloyd Board Distributor, or to



15 PORTMAN STREET, LONDON, W.1

OVERHEAD RUNWAYS & CONVEYORS

" DIFUSEX "

FOR WALLS & DOORS.

HINGED OR SLIDING

REGISTERS

LOCKERBIE & WILKINSON (TIPTON) LTD. TIPTON - STAFFS



LONDON OFFICE - 25 VICTORIA ST, S.W.1. - PHONE ABBEY 4796



Branches: Manchester, Bournemouth, Glasgow, Birmingham, Hull, Southampton, Hereford, Sheffield, Thetford, York, Bristol, Edinburgh, Aberdeen.

ii





Cert Canadian Cedar Wood SHINGLES

ALL PURPOSE, PERMANENTLY DURABLE TROUBLE-FREE ROOFING

CHURCHES

• Fire retardant.

HOMES

- Gale proof. • Permanent
- and Rot proof.
- Vermin proof.
- Beauty in colour and appearance.

appearance. Perfect insulation.

• One tenth the weight of tiles. Saves 40% roof timber.

1" Cedar equals 11 in. concrete in resistance to heat or cold. Economical in cost and fixing. Long trouble-free life. We quote for supply and fixing if required.

Colt Shingles are now being specified more widely than ever for their beauty, long life, high insulation value and weatherproof qualities.

CLUB HOUSES

Copies of our Shingle Handbook containing IIO photographs and full technical information on request. Write to:



SCHOOLS

W.H.COLT (LONDON) LTD SURBITON · SURREY Telephone: ELMBRIDGE 6511 (4 lines) COLT SHINGLES ARE SELECTED FROM

PETROL STATIONS

NO. I. GRADE XXXXX SHINGLES

Colt Shingles proved themselves during the war to be superior to other roof covering in their remarkable resistance to blast, more than justifying our claims for the permanent security of a Colt Shingled roof. Our Technical Department is at the service of all Architects.

AGRICULTURAL BUILDINGS



GYPKLITI ised as **Permanent Shuttering**

on L.C.C. Housing Scheme at Bethnal Green being constructed under the direction of Cyril H. Walker, O.B.E., M.C., F.S.I., M.Inst.M. & Cy.E., L.R.I.B.A., P.I.H., Director of Housing and Valuer to the London County Council. Main contractors : Holland & Hannen and Cubitts, Ltd.



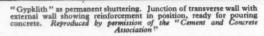
The perspective above shows an artist's impression of the complete scheme, which consists of eight blocks of fourstorey flats constructed in in-situ reinforced concrete on a site of 6 acres, and will provide 253 dwellings.

The expensive materials difficult to procure, which are normally used for temporary shuttering are replaced by I" thick GYPKLITH used as permanent shuttering for the inner face of external walls and to both faces of the party walls. GYPKLITH used in this way provides a high degree of thermal insulation. The thermal transmittance co-efficient "U" for 7 in. of concrete and 1 in. of GYPKLITH is 0.26 B.Th.U's per sq. ft. per hour for 1° F. difference in air temperature. The exposed face of the GYPKLITH lining is an excellent base for the internal plasterwork.

Pkli

L

D



Makers also of GYPROC Plaster Board, GYPROC 2-inch Solid Partitions, GYSPTELE Partitions and Ceilings, PLAXSTELE and ACOUSTELE Ceilings.

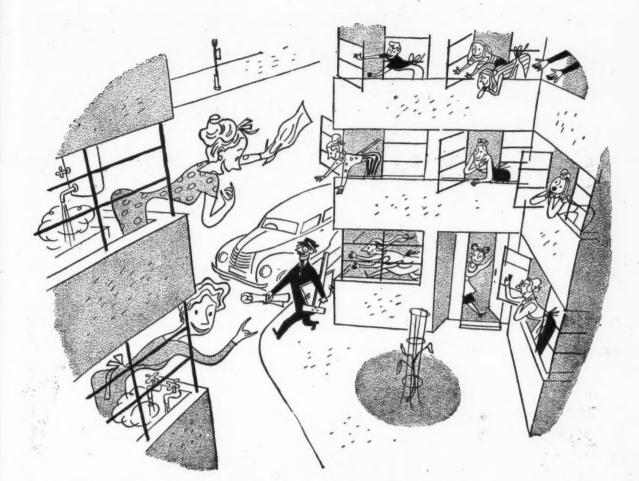
DUC GYPR 0 C ell Road, Gravesend, Kent. Grave hall, Glasgow, S.W.1. Telephone : • : Westfield, Upper Single 1 08 WHItehall tis Ho GKR

0

TS

P

R



"HERE COMES THE ARCHITECT

who specified our Sadias!"

PIPING HOT WATER — cheerfully gushing at the turn of a tap in kitchen and bathroom makes the Sadia-wise Architect the housewife's friend for life.

The Sadia is designed by men who know the Architect's problems. A Sadia saves space, requires no flues or structural alterations. Once installed, it can safely be left to itself to carry on the good work. Better, *extra* materials go into the Sadia, to give it a longer, harder-working life. Many of the first Sadias ever made, twenty-four years ago, are still working merrily away — a credit to the Architects who specified them.

Although we are making many more Sadias than before the war, most are earmarked for export. At present the remainder are only available for new houses' and other essential requirements. If you haven't yet seen the latest designs, please ask for full particulars to be sent to you.



AIDAS ELECTRIC LTD., SADIA WORKS, ROWDELL ROAD, NORTHOLT, MIDDLESEX SCOTTISH AGENTS : W. BROWN & CO. (Engineers) LTD., 89 DOUGLAS ST., GLASGOW, C.2







Boots Boots Boots

Legions of them. Marching, Drilling, Wheeling, day after day.

Stern tests of quality and stamina for both man and parade ground.

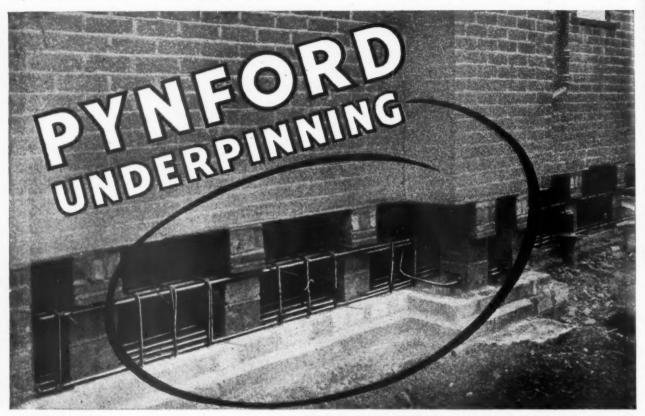
Yet those grounds with COATED MACADAM SURFACES pass these tests with "flying colours". So much so, that they are being increasingly specified by Naval, Military and Royal Air Force authorities.

Profit by their experience and specify COATED MACADAM for trouble-free and durable surfaces where wheeled and foot traffic are heavy.

COATED MACADAM for DURABILITY



For information apply: Federation of Coated Macadam Industries, 37, Chester Square, London, S.W.1.



NEW method of UNDERPINNING gives remarkable savings in TIME, LABOUR & MATERIALS

The Pynford method enables beams of suitable size to be framed together under existing walls and so redistribute the building loads over the footings or carry the loads to the new bases or both

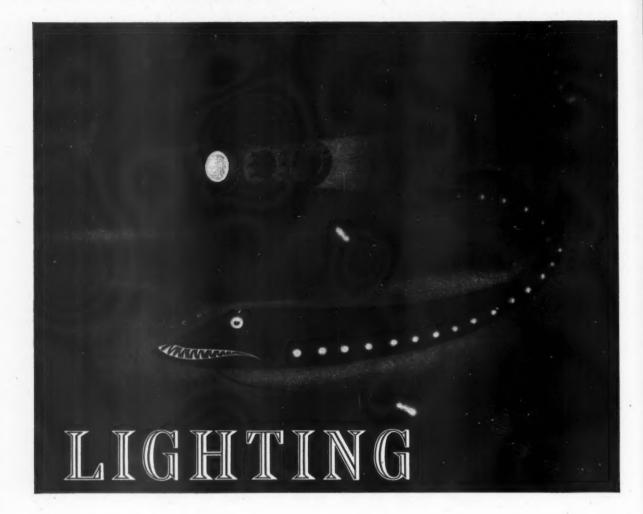
- The Pynford method makes possible the underpinning of fifty times the lengths now executed in one operation by other methods without prohibitive cost in shoring.
- The Pynford method makes possible the pouring of concrete to long lengths in one operation thus adding to the strength
- Patents applied for.

PYNFORD LIMITED SPECIALISTS IN UNDERPINNING 74 LANCASTER ROAD · STROUD GREEN : N4 TEL: ARC 2372



S

4



nature — ART

Men, with all their creative genius, can do no more than discover and employ processes which nature has already used with functional exactitude somewhere. Nature has a big advantage; she is wholly unselfconscious. Those natural beauties which turn men into poets and artists are all traceable to a consummate blending of form and function. This is something every good designer understands. You will find that the principle has been intelligently applied in our three famous series of electric lighting fittings—Ultralux, Decorative and (for fluorescent lighting) Tubalux. Ask us to send catalogues, or, better still, pay us a visit.

As a permanent lighting service for architects and consulting engineers, we now have a fully staffed design department, directed by A. B. Read, E.D.L. F.S.L.A. However large the scheme, we are equipped to deal with it in a sound, modern and truly creative way.



TROUGHTON & YOUNG (LIGHTING) LTD The Lighting Centre

143 KNIGHTSBRIDGE · LONDON · S.W.1 TELEPHONE: KENSINGTON 7457 (10 lines)

200 HOMES KEPT WARM FOR A YEAR on the fuel saved by insulating <u>one</u> factory

Every uninsulated building wastes fuel — and will go on doing so, until unnecessary heat losses are overcome by lining the roof and walls with Celotex cane-fibre insulation. The fuel saving which then results is dramatic. In a steel-framed factory with 100,000 sq. ft. of corrugated asbestos roof, it may be as much as 600 tons of coal a year — enough to supply the needs of 200 homes. In buildings of every kind the installation of Celotex quickly pays for itself in terms of lower fuel bills and a smaller capital charge for the heating plant. The table, based on Fuel Efficiency Bulletin No. 12, gives a general picture of the fuel savings which result when steel framed roofs are insulated with Celotex. Our technical department will gladly calculate specific data for your individual needs.

CONSTRUCTION Corrugated Asbestos Cement Gorrugated Iron Gelotex Insulating Board Air Space/Purlins Gelotex Insulating Board		Uninsulated		Under-Purlin Insulation		Over-Puriin insulation			
		1/4" - - -	220	1/4" - - 4" 1/2"		1/4" 1/2" 	1/4"	- 220 1/2" -	- 220 1"
Thermal Transmittance 'U'		1.40	1.50	0.31	0.32	0.35	0.23	0.36	0.24
Te make good heat loss per 1000 sq. ft.	Fuel Consumption tons p.a.	7.7	8.3	1.7	1.8	1.9	1.3	2.6	1.3
	Cost of Henting Plant. Cost £'s	88	94	19	20	22	14	22.5	15
Saving in Plant and Fuel due to Gelotex Insulation				78	79	75	84	76	84

invest in



insulation

CELOTEX LIMITED, NORTH CIRCULAR ROAD, STONEBRIDGE PARK, LONDON, N.W.10. (EŁGAR 5717) T.10

KEEPING THE LAW IN ORDER

We are not suggesting that the Law needs a restraining hand, but even in a Police College such as the one at Glasgow, shown above, the consequences of a failure in the lighting supply might be awkward to say the least.

To cover this eventuality a P & G & E.P.S. emergency lighting system is installed as a faithful stand-by in case of trouble.

P & G & E.P.S. were making batteries

for lighting as far back as 1882 when they lit the Royal Exchange and other important London buildings.

With such a tradition it is not surprising that so many new schools, theatres, office blocks, telephone exchanges and similar large buildings are equipped with this fool-proof system. With automatic equipment it jumps into action immediately normal services cease. We can offer valuable advice on any projects you may have in hand.

PRITCHETT & GOLD and E.P.S. CO. LTD.

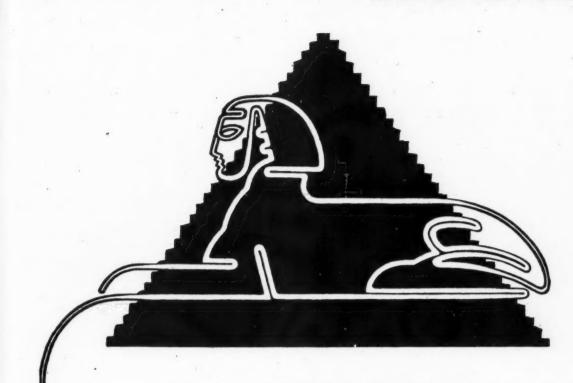
Formerly The Electrical Power Storage Co Ltd-the first Battery makers

50 GROSVENOR GARDENS, LONDON, S.W.I

Telephone : sLoane 7164 .

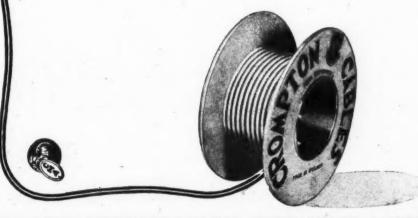
Telegrams : Storage, Sowest, London

P.G.2/46



FOR MAXIMUM ENDURANCE





don

.2/46

CROMPTON PARKINSON LIMITED, ASTOR HOUSE, ALDWYCH, LONDON, W.C.2 Telephone : CHAncery 3333 Telegrams : Crompark ,Estrand Landon -

The human element in the BRICK Industry

ar ch m la pd w pd ti

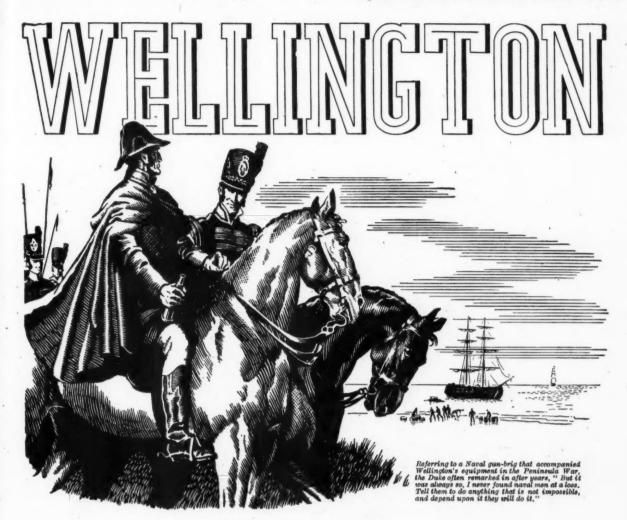
BRICK Industry This scene is typical of the London Brick Company works. As units, the bricks must sometimes be handled by manual labour — both in the green and in the burnt state. In bulk, they are invariably handled by ma-But whether he is a chines. machine operative, or a manual labourer, the London Brick Company employee enjoys the best possible working conditions. His welfare is regarded as a matter of paramount importance, and every provision is made for his recreation and relaxation.

Benefits enjoyed by London Brick Company employees include: Profit Sharing Bonus Scheme, introduced in 1926; Holidays with Pay, introduced in 1930; Pensions and Life Assurance Schemes, introduced in 1936; the Model Village and Social Centre at Stewartby; Canteens; comprehensive indoor and outdoor recreational facilities; sports grounds; club premises; welfare departments; safety and first-aid organisations.



ONDON BRICK COMPANY LIMITED

L.B.28



We have echoed those words in two major wars since Wellington's remarks were made, and we at "Wellington" feel a sense of pride in the part we have played in the Country's achievements. We have often been called upon to do the bear impossible and achieved the required result. Through our 70 years experience in the manufacture of Iron and Steel Tubes we have been the recipients of many problems. We welcome these "difficult" enquiries for the satisfaction of solving them. Our knowledge of tubes and their uses is always at your disposal.

THE STEEL TUBE PEOPLE





HEAD OFFICE & WORKS GREAT BRIDGE TIPTON STAFFS









St. George's Hospital, London, Decorated in 1947 with Cementone No. 9 Contractors—Holland, Hannen & Cubitts Ltd. Architect—W. R. Watkins, F.R.I.B.A.

INTEMPERATE CLIMATES

In the Arctic circle, or the Tropics, in Europe, or in Asia, in North America or South America—You will find a CEMENTONE Job.

The results obtained with Cementone decorative and protective products in these varying climatic conditions is your safety margin and provides proof that

YOU CAN

DEPEND ON

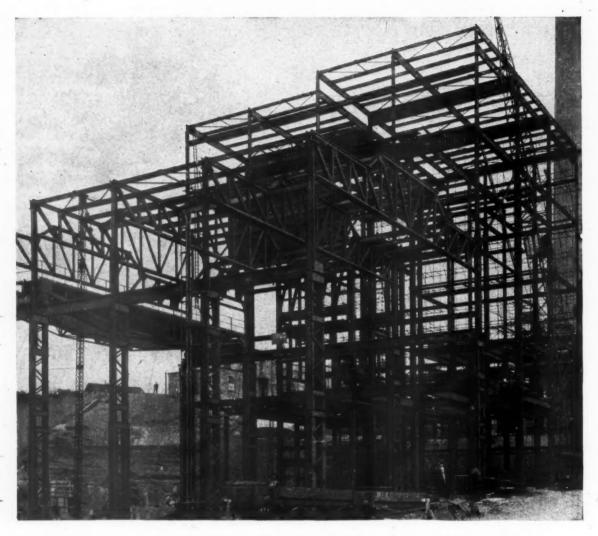
Queen Mary Hospital, Hong Kong. Lement work coloured with Cementone No Contractors—Kinlee & Co., Hong Kong. Architects—Public Works Dept.

nenlone

Bat. 0876

xvii

JOSEPH FREEMAN SONS & CO. LTD., CEMENTONE WORKS, LONDON, S.W.18.





The Sign of Service with Quality-Speed with Reliability Power House construction recently designed, fabricated and erected by us in the County of Durham.

Designed, Sealed and Delivered!

We do the whole job at Wright, Anderson and our staff of highly-skilled Designers, Fabricators and Erectors ensure that every job is an example of the best in Constructional Engineering.

Our rapidly expanding works are equipped with the latest machinery to carry out any Light, Medium or Heavy construction job including Steel-Framed Buildings, Cranes, Bridges, Bunkers, Water Towers, etc.—welded or riveted.



CONSTRUCTIONAL ENGINEERS & BRIDGE BUILDERS, GATESHEAD 8, Co. DURHAM

Telephone : Gateshead 72246 (3 lines) Telegrams : "Construct, Gateshead " London Office : Regent House, Kingsway, W.C.2 Telephone : Hoborn 9811

CONTRACTORS TO: ADMIRALTY WAR OFFICE . AIR MINISTRY . MINISTRY OF WORKS . CROWN AGENTS FOR THE COLONIES



SOUTHAMPTON CIVIC CENTRE comprising Municipal Buildings, Law Courts, Guildhall, Art Gallery and Public Library Arch. E. BERRY WEBBER A.R.I.B.A. Complete Electrical Installation by GRIERSON LIMITED

COMPLETE ELECTRICAL INSTALLATIONS

FOR MUNICIPAL BUILDINGS, SCHOOLS, HOSPITALS, RESEARCH LABORATORIES, FACTORIES, OFFICES. HOUSES AND FLATS, HOTELS, CINEMAS AND THEATRES

Lighting • Power • Heating • Cooking • Telephones • Bells Signals • Fire Alarms & all other types of Electrical Installations



ESTABLISHED OVER A QUARTER OF A CENTURY Engineering and Electrical Contractors St. George's House, 195-203 Waterloo Road, London, S.E.I. Telephone: Waterloo 4575

xix



With the wisdom of the old: that is the prevailing quality of the King organisation, and it is reflected in all their products. An alert and sensitive eye, and ear, for the new materials, and the latest processes, is part of the secret of King efficiency. As for new methods of application, King does not wait for these: it creates them.

KING

SLIDING DOOR GEAR



SPECIAL KING FEATURE NO. 1

Other features of King Door Gear include: King-Alloy Rolled Steel Suction. Domed Top sheds all moisture. Correct Trolley Clearance. Anti-rust finish. Flat treads for long life. Lateral movement for easy running. Tecalemit Pressure Lubrication. A door that runs on King Sliding Door Gear is a gliding example of perfect smooth running. Long years of careful study and experience have helped to place King Door Gear in the foremost position. No other make possesses all the valuable features which are incorporated in the King Product.

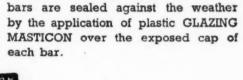
For ease of operation, neat appearance, engineering excellence and long life, specify King Sliding Door Gear.

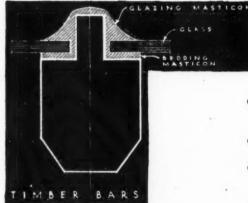
WRITE FOR ILLUSTRATED BOOKLET AND PRICE LIST

GEO. W. KING LTD., D.G.B. WORKS, HITCHIN, HERTS PHONE : HITCHIN 960 (10 LINES)



THE MASTICON PROCESS is a service
for the glazing of roofs of Industrial
premises. It combines the supply
and fixing of special type metal T.resilient
bars are
by the appendix
MASTICON
each bar.





AILNO

ADVANTAGES OF GLAZING BY THE MASTICON PROCESS

- Ensures permanently sound glazing which will withstand roof movement and vibration.
- Makes glazing joints which remain watertight.
- Protects metal bars against corrosion and timber bars against decay.
- Eliminates painting costs.
- Is unaffected by changes in temperature.

Our technical service is at your disposal to conduct surveys and submit estimates willingly and without obligation.

INDUSTRIAL ENGINEERING LTD.

Head Office : Mellier House, Albemarle Street, London, W.1 Telephone Number: Regent 1411 (P.B.X. 4 lines)



have YOU seen

OUR exhibits AT THE BUILDING CENTRE



Sd.XVIII.10/47

John Sadd & Sons are specialists in both mass production joinery and joinery to architects' details

WINDOWS · KITCHEN UNITS · DOORS · STAIRS · MOULDINGS WOOD PANELLING · ETC.



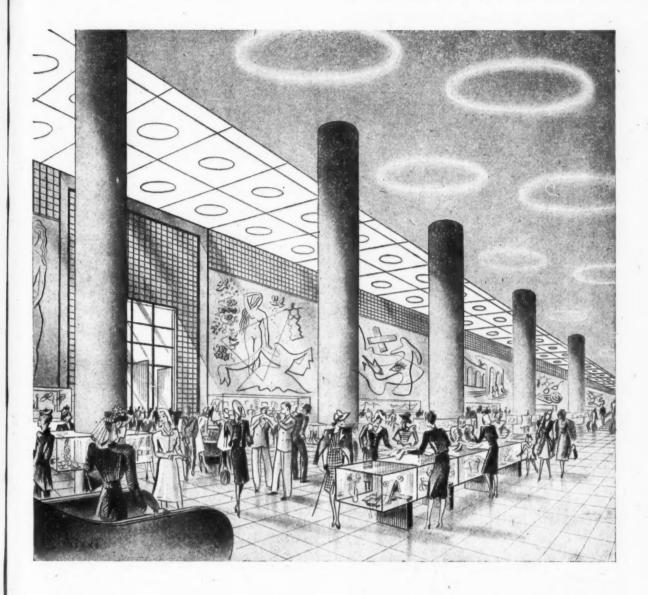
London Office: Aldwych House, W.C.2. Telephone Chancery 7214

Strength & Lightness

A web of silk and a metal, both a source of wonder to many, and having this in common lightness and great strength. "DURALUMIN" the light metal alloy—a third the weight of steel yet as strong, easy to work and in ample supply—has proved its worth to British industry in a great variety of ways. Our wide experience is gladly at your service ; write to :—



JAMES BOOTH & COMPANY LIMITED, BIRMINGHAM, 7



Fine weather in store . . or in any building for that matter! Brightside technique in air conditioning enables surroundings of optimum comfort to be maintained in spite of climatic conditions outside, in any kind of public, private or industrial building.

BRIGHTSIDE Conditioned COMFORT

HEATING . PIPING . AIR CONDITIONING

THE BRIGHTSIDE FOUNDRY, ELENGINEERING CUMPANY, LTD Head Office: SHEFFIELD I and BIRMINGHAM, BRISTOL, LIVERPOOL, LONDON, MANCHESTER, NEWCASTLE, PORTSMOUTH, CC 30 EDINBURGH, GLASGOW, BELFAST.



STRUCTURAL STEELWORK

No skeleton in our cupboard and no doubt about the framework of your building when the steel is erected by Thomas Blackburn's. Our long experience in all branches of structural steelwork is your safeguard—and is at your service always.

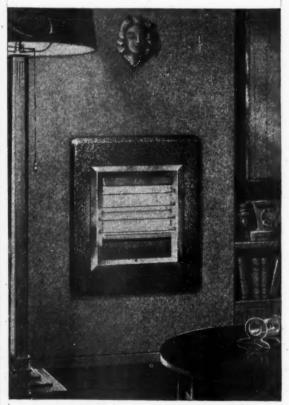
RAILINGS, GATES, METAL WINDOWS WELDED VESSELS, RAINWATER GOODS



To all concerned in planning and building homes

We have had over 30 years' specialized experience in the design and production of electric fires, cookers and domestic electric appliances. Our present production is largely devoted to orders for Housing Schemes and enquiries from architects and builders are always welcome.

The fire illustrated is the popular Belling Wall Panel Fire.



ELECTRIC HEATING & COOKING FOR THE MODERN HOME YOU GAN'T BEAT A Solding Belling & Co. Ltd., Bridge Works, Enfield, Middx. Telephone: Howard 12/2 C.R.C. 523

SI

Sankey's GENUINE MOLER blocks and bricks again available

After more than six years, Sankey's MOLER Blocks and Bricks, made famous before the war, are again being manufactured from genuine MOLER earth, in a variety of sizes for immediate delivery.

The chief characteristics of Sankey's MOLER blocks are the very high degree of insulating efficiency against heat and cold, and of absorption of sound-ensuring quietness and equable temperature within buildings at all seasons of the year.

In addition, tests have proved that Sankey's MOLER blocks save up to 20 tons of dead weight on every 500 yards of partitioning; and that

they provide more efficient fire resistance, and are of greater mechanical strength.

Write today for full technical details.



PARTITION BLOCKS and INSULATING BRICKS

J.H.SANKEY & SON, LTD

22, ALDWYCH HOUSE, ALDWYCH, LONDON, W.C.2. TELEPHONE: HOLborn 6949 (14 LINES) TELEGRAMS: BRICKWORK, ESTRAND, LONDON





Will the present timber ration allow the inclusion of windows with glazing bars? Architects who prefer this type to the simple unbarred casement can find the answer from the table on the right, which shows the timber content of the EJMA range of windows with no bars, with lay bars only, and with both vertical and horizontal bars.

It will be seen that the additional amount of timber used is very small, and, in fact, fullybarred windows are being specified in a number of housing schemes.



EJMA is the Certification Trade Mark of The English Joinery Manufacturers Association (Incorporated) and applies ONLY to Joinery made by manufacturers who are licensed and who undertake to conform to EJMA. Specifications. The Secretary will be glad to supply the name of member firms, many of whom can give prompt delivery of EJMA windows.

- 1	INV26	-004	-004	
	INV36	-004	-005	-
	INV40	.004	-005	-
	1P26	-005	-005	-006
	IP36	006	-006	-007
	IP40	-006	-006	-007
	1P46	.007	-007	-007
	1V26	·005	005	-006
	IV36	·005	-006	·007
-1	IV40	-006	-007	-008
	IV46	-006	-008	-008
	IT46	-008	-008	-009
	1750	-008	-009	-009
1	1PS50	-008	-009	-009
	2V26	-008	-009	-009
	2V36	-009	010	-011
	2V40	-010	-012	-013
1	2\46	.010	-012	-013
	2T46	010	-013	-014
	2T50	-010	-014	-015
	2VS50	.010	-014	-015
	3P26	-010	-012	-012
	3V36 ·	-013	-015	-016
	3V40	-014	-016	-017
	3V46	-014	-017	-018
	3T46	-015	-018	-020
	3T50	-016	-020	-022
	3VS50	-016	-020	·022
	4V36	-016	-020	-021
	4V40	017	-021	-023
	4V46	018	-023	-025
	4T46	-018	-024	-026
	4T50	-018	-026	-028
	4VS50	-018	-026	-028

TIMBER CONTENT

in decimals of a standard.

.004

005

004

.004

.005

004

INP26

INP36

11110

EJMA guarantees a STANDARD OF QUALITY

PRINCIPLES OF NOTATION

The first figure gives the number of lights in width, the letters indicate the type, and the last two figures the height in feet and inches. Example-The window illustrated is type 2 V 46.

P -- Plain (no vent). N - Narrow. V - Vent. S - Sublight. T - Through Transom.

> RY MANUFACTURERS ASSOCIATIO (INCORPORATED)

ENGLISH JOINE

40 PICCADILLY, W.I

REGENT 4448

ELX/4-47

THE

are YO

structu

H

296:

NGTO

How up-to-date

CREATIVE CONSTRUCTION IN LIGHT METAL CASTINGS

This Mult ple-Punch Jig Casting is $13'7\frac{1}{2}''$ long, $3'3\frac{1}{2}''$ wide, $9\frac{1}{4}''$ deep and 1" thick. In strong heat-treated aluminium alloy it weighs 1200 lb. Machine-tool manufacturers are turning to Light Metal castings because of their guaranteed soundness and high shock resistance. Light Metal castings are easily handled and may be machined at high speeds; they cut labour costs and increase production.

Aluminium alloy casting capacity is still available. Renfrew Foundries Ltd. will be pleased to co-operate in redesigning components as aluminium alloy castings.

S

pages get a

In co

war

DP

0

EW FOUN

In common with every other periodical this JOURNAL is rationed to a small part of its prewar needs of paper. Thus a balance has to be struck between circulation and number of pages. We regret that unless a reader is a subscriber we cannot guarantee that he will get a copy of the JOURNAL. Newsagents now cannot supply the JOURNAL except to a " firm



order." Subscription rates : by post in the U.K. or abroad, £1 15s. od. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 15s. each; carriage 1s. extra. Goods advertised in the JOURNAL and made of raw material now in short supply, are not necessarily available for export.

DIARY FOR DECEMBER AND FEBRUARY IANUARY

Titles of exhibitions, lectures and papers are printed in italics. In the case of papers and lectures the authors' names come first. Sponsors are represented by the initials as given in the glossary of abbreviations on the front cover

BRUSSELS. National Exhibition of Labour in the Pottery Industries. The three main sections are: Artistic and BRUSSELS. domestic ware; ceramics in history; ceram-ics in building. The exhibition will include lectures and film shows, and there will also be demonstration workshops. At 58, Rue Belliard. (Sponsors, Belgian Ministry of Labour and the Federation of Ceramic Industries in Belgium.) UNTIL DEC. 21 CHIPPING NORTON. Exhibition: Ideas on Design in the Home. Guide lecturer: G. Borchard. At the School House. (Sponsor, ACGB.) UNTIL JAN. 13

COVENTRY. E. H. Ford. Progress of Redevelopment and Development in Coventry. At St. Mary's Hall, Bayley Lane. (Sponsor, RSI.) 10 a.m. DEC. 12 (Sponsor, RSI.) 10 a.m. DEC. 12 HARLOW. Harlow New Town Exhibi-tion. To give opportunity to the public to see the proposals and to make observations on the Master Plan before submitting it to the Minister of Town and Country Planning. The exhibition closes with a public meeting and an address by Frederick Gibberd, architect of the Master Plan, The Master Plan Explained, 7 p.m., December 13. At the Drill Hall, Old Road. (Sponsor, Harlow Development Corpora-tion.) 2.30 p.m.-9 p.m., DEC. 11-12. 2.30 p.m.-5 p.m. DEC. 13. DEC. 11-13 VINGSTON-UPON-THAMES. Manufac-K INGSTON-UPON-THAMES. Manufac-ture of Window Glass and Its Uses. Film-illustrated lecture. At the Guildhall. (Sponsor, SE Soc. of Arch.) 7 p.m. K INGSTON-UPON-THAMES.

DEC. 17

L ONDON. Exhibition of Art, Chiefty from the Dominions of India and Pakistan. At the Royal Academy Galleries, Piccadilly. An exhibition of sculpture, painting, textiles, jewellery, furniture. 10-7. Sundays 2-7. Admission 1s. 6d.

Robert Wilson. Colour in Industry. At the Royal Society of Arts, 6-8, John Adam Street, W.C.2. (Sponsor, DIA.) 2.30 p.m. DEC. 11

Housing Film Show. Including a new colour film by Matthew Nathan on some types of non-traditional houses and *Street* **Prospect**, a new film made by the Bourn-ville Village Trust. At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) 2s., including refreshments. 6 p.m. DEC. 12 Third Meeting of the Building Industries' Luncheon Club. At the Park Lane Hotel, Mrs. Pleydell-Bouverie, who has returned from a study of the house-building industry

in the United States, will speak on US and Us. 12.30 p.m. **DEC. 12**

Dr. J. H. F. Brotherston. Housing and Health. At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) Buffet lunch, 12.45 p.m. 2s. 6d. Talk, 1.15 p.m. 6d. **DEC** 16

F. R. Stevenson. Planning Developments Abroad—Denmark. At the Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) 6.15 p.m. DEC. 17

Professor J. S. Allen. The Education of the Planner. At Livingstone Hall, Broad-way, S.W.1. (Sponsor, TPI.) 5.30 p.m. DEC. 18

DEC. 18 Richard Sheppard. The Making of Archi-tecture. Christmas holiday lectures for boys and girls. Illustrated by lantern slides. In the Henry Jarvis Memorial Hall, RIBA, 66, Portland Place, W.1. Tickets free on application to the Secretary, RIBA. En-velopes should be marked "Christmas Lec-tures." 3 p.m. JAN. 5, 7 AND 9 Hole Restaurant and Catering Exhibition Hotel, Restaurant and Catering Exhibition. A section will be devoted to hotel and res-taurant design and construction. At Olympia. (Sponsor, Trade and Technical Exhibition, Ltd.) JAN. 16-24 MANCHESTER. IHVE Manchester and District Branch Annual Dinner. At the Carlton Restaurant, Brown Street. 7

DEC. 12 p.m.

TORONTO. First Canadian International Trade Fair. In the Coliseum. (Sponsor, Canadian Government Exhibi-tion Commission.) MAY 31-JUNE 12, 1948

COMPETITIONS

Royal National Eisteddfod of Wales Architectural Competitions, 1948. Com-petition 192 for a county college. Competi-tion 193 for a neighbourhood unit layout. Assessors: C. F. Bates and T. Alwyn Lloyd. Premiums: £50 in each case. Conditions and entry forms from Rev. W. J. Samuel, General Secretary, 38, Dunraven Place, Bridgend. Entries to be submitted between June 5 and 14, 1948. IUNE 5-14 June 5 and 14, 1948. **JUNE 5-14**

June 5 and 14, 1948. JUNE 5-14 Competition for War Memorial at Liver-pool. The Imperial War Graves Com-mission invites designs in competition for a memorial to be erected on the promenade at Liverpool to the Missing Naval Auxiliary Personnel of the Second World War. Open to architects who are ex-serving members of His Majesty's Forces. Assessor: Edward Maufe. Premiums: £100, £60 and £30. Last day for receiving designs, January 16, 1948. 1948.

N E Thursday, No. 2757			W		
		D	ecembe		, 1947 L. 106
News	••				509

The	President	Signs	a	Loyal	
Ad	ldress				510
This	Week's Lea	ading A	Artic	le	511
Astra	gal's Notes	and T	opic	8	512
Lette	ers from Re	aders		• •	513
From	n An AA Po	ortrait	Gall	ery	514
Infor	mation She	ets:			

18.G1 Accotile Floor Tiles 14.N1 Insulight Hollow Glass Blocks	Follov page	
AA Centenary		515
A Day in the Life of the AA		516
The New Programme of Ca Investment in 1948. By		
Bowen		524
Technical Section :		525

Information Centre ... Housing, Materials and Labour.

By Ian Bowen . . Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis. The JOURNAL'S starring system is designed to give this emphasis, but without prejudice to the unstarred items which are often no less important.

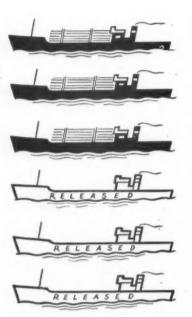
★ means spare a second for this, it will probably be worth it.

** means important news, for reasons which may or may not be obvious.

Any feature marked with more than two stars is very big building news indeed.

Mr. Richard Sheppard is to give the CHRISTMAS HOLIDAY Lectures For Bors AND GIRLS at the RIBA this year. Illustrated by lantern slides, the tile of the series is *The Making of Architecture*. The taks will try to explain how architecture is created; how man begins by using the materials he has to hand, and by adapts them with increasing exactitude and ingenuity to building. These materials are modified to suit different kinds of builds. This process of adaptation is universal and and at all eras from primitive times to the present day, in Europe and in Asia. Some the result is unsatisfactory and often ugly. The conditions necessary to produce great architecture will be clearly shown, and in particular the difficulties and the oppor-tunities which confront the architect to-day. Mr. Sheppard will illustrate his points by describing the life and work of three architets—one living in the twelfth century, and the third at the present day. For de-ails of dates and tickets see Diary. LECTURES FOR BOYS AND

Log Logistics*



A comment on the timber fleet

TIMBER used for door manufacture is mostly brought to this country in ships, and shipping space is precious!

WHEN a shipload of timber is converted into doors for the housing programme, a FLUSH DOOR requires only half of the timber required by any other door. Thus if Flush Doors only are made, 3 ships in every 6 are released for other cargo.

MORE IMPORTANT to the builder is that by using Flush Doors he can save up to 7 cubes of timber per house out of his total ration, for extra cupboards or additional equipment. In addition, they are preferred for modernity, cleanliness and efficiency.

> * LOGISTICS—" that branch of the military art which embraces the details of transport and supply."

the use of Flush Doors releases timber & shipping for other purposes



Look for this FOUR DOOR TRADE MARK on all doors made to the Association's specification.

Full details of the Association's Flush Doors are available Austin Veneer & Panel Co., Ltd., Edmonton, N.18, Britsin Door Marketing Co., Burton-on-Trent. Durham Timber Co., Ltd., Hampton, Middlessx. William Evans & Co. (Distributors) Ltd. L'pool3, Exeau Products Ltd., Enfield, Middlessx. MacA

available on application to any of the following member Farquharson (Timber) Ltd., London, E.C.2. S. & F. F. Fyrer Ltd., Hazel Grove, Cheshire, Hitchins Flush Woodwork Ltd., East Ham, E.6. Leaderflush Ltd., Nottingham. MacAndrews & Forbes Ltd., London, S.W.I. or from the Secretary, at Trowell, Nottingham :-Manor Joinery Works Ltd., Barking, Essex. Merchant Trading Co., Ltd., London, W.C.2. William Royle&Co. (Manchester) Ltd., Manchester, 2 Stavers & Anderson Ltd., London, E.C.3.

xxxii

F Nthfrom fin the measure of the second seco

a Mar Mar M

AN ARCHITECT'S Commonplace Book From

NEW PRINCIPLES. (From The English Seaside, by H. G. Stokes (Sylvan Press).] Although in 1806 the inhabitants of Brighton had been greatly perturbed by a proposal to build a "jutty or jetty" in front of the town, in 1821 a company was successfully launched for the construction of a full-sized pier. To us, who have seen whole harbours built and towed across the Channel, a single pier seems of small moment, but to the subjects of the Fourth George it was a monument of great significance. As the first open-sea pier built of piles instead of solid masonry, it was rightly held a daring experiment, and those were the days when daring experiments were still few enough to allow people time to digest and marvel at the skill and ingenuity employed. Those were the days, too, when successful daring experiments were hailed as triumphs, and the mood of the time was definitely in favour of triumphs, especially engineering triumphs. Already Captain Brown, the designer of the pier, had become celebrated for his introduction of chain cables into the Navy, and though he had built a small chain pier on the Forth at Leith, the Brighton Chain Pier-like all good works of the time-was to embody " new principles."

It is with deep regret that we record the DEATH OF MR. BERNARD W. PERKS, general BERNARD W. PERKS, general manager and executive director of The Builder. Mr. Perks was lunching at the Building Exhibition on December 3 when he col-lapsed and died without regaining con-sciousness. Bernard William Perks was born in 1882. He had for many years taken a leading part in the work of the Newspaper and Periodical Proprietors' Association. He was an office-holder in the London School-board Lodge of Freemasons and was a member of the Devonshire Club. He married in 1912 Edith Willings, and is sur-vived by her and by two sons and two daughters. The funeral will be held on Tuesday next at the Parish Church, Great Horkesley, Essex. A memorial service will Horkesley, Essex. A memorial service will be held at the church of St. Martin-in-the Fields, Trafalgar Square, on Thursday, December 18, at 11.15 a.m.

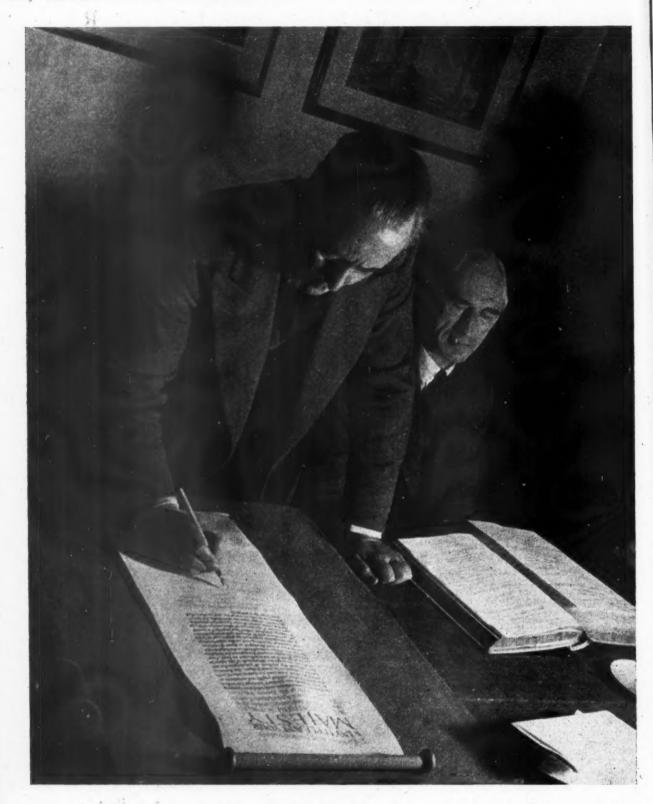
20

 \star \star \star The White Paper detailing the CUTS IN NATIONAL CAPITAL INVESTMENT EXPENDITURE has been issued. The figure first proposed by Sir Stafford Cripps on October 23 for the reduction of capital expenditure next year was £200m., but since then it has been found that, with-out any greater allocation of materials than had been planned, the capital investment on housing will be £20m. more than had been expected. The cuts fall under the following headings: Factory Building.—For at least six months no new industrial buildings or extensions will be started other than those of interference in extension. extensions will be started other than those of importance to exports. All factory building now in progress which has not reached the steel erection stage will be reviewed with the object of postponing at least half. Preferential development will be accorded to the development areas. *Housing.*—Provision is being made for the number of houses under construction at the end of June, 1948, to be 210,000. If the amount of timber to be imported in 1948 amount of timber to be imported in 1948 is no more than sufficient for the comple-tion of 140,000 houses during 1949, the reduction in the number of houses under construction will continue until the figure of 140,000 houses under construction has here here 140,000 houses under construction has been attained by the middle of 1949. New Towns.—New towns designed to serve immediate industrial needs or mining areas, such as Aycliffe, Easington, and East Kil-bride, are to go ahead within the limits of the building programme. Work on new towns such as Stevenage, Crawley, and

Hemel Hempstead, is to be limited during 1948 to starting the provision of water, sewerage, and roads. Agriculture.—To meet the programme for increasing agri-cultural output by £100m., inquiries will be made into local needs for farm buildings. Education.—The statutory obligations of the local developed with critical sectors. local education authorities in respect of the places needed for raising the school-leaving age to 15, schools to meet new housing developments, and the maintenance of existing primary and secondary schools, are to be fulfilled. Major projects for nursery schools and classes, except where needed to assist mothers to enter industry, and for comyouth clubs will be deferred. Health Services.—Some large-scale water projects can no longer be safely postponed and the work of increasing rural water supplies will go forward. There is to be a limited addiof tional amount of work on hospitals, mental institutions, etc. *Home Department.*— There will be no new building for the police construction for urgent or important work. New construction for approved schools, the fire services, prisons, Borstal institutions, and courts will not be undertaken, but existing buildings will be requisitioned where neces-sary. *Transport.*—The programme of major road works will be reduced by more than 80 per cent. Schemes which will pro-ceed include the Deptford Creek bridge, the diversion of roads at I.C.I. works, Tees-side, and improvement between Baldersby and Londonderry, North Yorkshire. The Severn bridge, the Dartford tunnel, the Great West Road and Cromwell Road extensions, the Widnes-Runcorn bridge and the main Widnes-Runcorn bridge, and the main Jarrow tunnel are among the works which will be postponed. Road maintenance will be reduced to an extent which will release 20,000 men. Work on the railways which is well advanced will not be postponed; other work will be partly deferred and some may be postponed altogether. may be postponed altogether. Among schemes which will proceed are the Manchester-Sheffield electrification, the Woodhead tunnel, and the Shenfield elec-trification, L.N.E.R. The Notting Hill Gate reconstruction and the rebuilding of Euston station will be deforted Ministry of station will be deferred. Ministry of Works.—Work on employment exchanges will cease, and the proposed buildings for the Foreign Office, the Colonial Office, and for Government accommodation on the south bank of the Thames will not be in the 1948 programme. The Whitehall building scheme and the reconstruction of the House of Commons will continue. (See page 524.)



The Harlow Development Corporation is holding an exhibition until December 13 of the proposed master-plan for the new town. Top, model of the civic-centre; bottom, the town centre on the master-plan model. The architect of the plan is Frederick Gibberd.



The President Signs a Loyal Address

Mr. Howard Robertson, the AA Centenary President, signs a loyal address from the Council of the Association to the King, their Patron, on the occasion of the hundredth anniversary of the foundation of the Association. Graham R. Dawbarn is on the President's left. This week the AJ celebrates the centenary in the leading article, in a portrait gallery of AA personalities and in a picture feature entitled "A Day in the Life of the AA."

Som OF by S of t Neu He s decis essen visio appr of t educ to in No exce farm units

> Mr in Gou NA to the The roo be ind in

> > ★ Ne Al ma Ca suj tra E

in

**

Some details of the NEW TOWN OF CRAWLEY have been outlined by Sir Thomas Bennett, Chairman of the Crawley and Three Bridges New Town Development Corporation. He said that in spite of the Government's decision to reduce capital expenditure, some essential preliminary work, such as the provision of a sewage system, had been approved. In the early stages the provision of factores will be emphasised. Three educational centres are to be provided, each to include schools and community centres. No land will be taken out of cultivation except for immediate development, and farms in all cases will be left as economic units.

**

Mr. Herbert Morrison announced in the House of Commons that the Government proposes to STAGE A NATIONAL DISPLAY in 1951 to mark the centenary of the Great Exhibition of 1851. The exhibition will not be all under one roof and not all in London. Included will be a festival of arts and exhibitions of industrial, scientific, and design achievements in Britain.

No more PREFABRICATED ALUMINIUM HOUSES will be made at the Bristol Aeroplane Company's factories at Westonsuper-Mare after the present contracts are concluded next March. Efforts are being made to instal other industries at the factories, where there are about 3,000 workers.



The giant screen which has been built across the damaged north transept of St. Paul's Cathedral to prevent draught and to conserve heat. The screen is constructed of absorbent material fixed to a light steel framework. It may be some time before the work in this transept is completed, and as the screen is likely to remain for several years, it has been designed with special care. See AJ, December 4.

THE AA CENTENARY

URING its hundred years, the AA has changed from an occasional spare-time activity of dissatisfied but earnest articled pupils and assistants to a powerful

organisation deeply concerned with many aspects of the architectural profession. We propose to discuss here but one of these aspects, the training of architects, which is the purpose the Association was founded to serve and its chief pride and justification to-day.

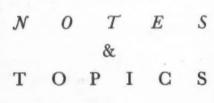
The AA School has a unique character among schools of architecture in Great Britain ; as Edward Carter, lately Librarian of the RIBA, once said, "the AA . . . has become far more than a technical college, an art school, or a place where men and women are trained to line up in the swollen ranks of the profession. It has become a University." It may be thought that there is nothing unique about a university, but alone of the architectural schools the AA has succeeded in fulfilling the several requirements that together justify the title of university. There are, of course, Faculties of Architecture in several of our universities, but they have tended to remain but step-children of the parent foundations; step-children, moreover, suffering the pains and penalties of existence on sufferance made familiar by fairy tales. We have no desire to deny the importance of the School of Architecture at Liverpool, where Sir Charles Reilly inspired many brilliant architects. Liverpool students are found in many of the most responsible public appointments, but it is doubtful whether anyone would look to the Liverpool school to-day for a glimpse into the future of architectural ideas and expression, and this is one of the main functions of a university, the nurture of intellectual ferment. The school at Cambridge, in spite of the best intentions and in spite of the early influence of Mansfield Forbes, has also failed to develop a significant university character in this sense.

The reader may ask, what is there so significant about a university, and what do you mean when you apply this term to the AA, which is an independent school? The origin of the word gives, perhaps, the first clue. As Edward Carter said, in the quotation given above, it is "far more than" a mere art school or technical college, with narrow objectives limited to preparing students for earning a living in a circum. scribed job. It is the universality of the cultural background to be found in the true university that is its starting point. Technical training-though necessary (and by no means neglected at the AA)-is only a tool; it is what has been described as "the ten-fingered grasp of reality"-the pre-occupation with real values-that finally distinguishes a university from a technical college. Such a grasp of reality is only possible in an atmosphere where all aspects of cultural development are recognised as contributing to the needs of the whole man and thus of the whole architect. This atmosphere it is the peculiar distinction of the AA to have achieved. Arising from this emphasis on the whole man is the

recognition of the need for the student to develop as an individual and for this he must be given an opportunity to assume responsibility for his own work. The student must find his own way. As a corollary, students are expected to take an active part in the life of the school. This expectation has been fulfilled at times in ways embarrassing to the authorities; the students have been quick to respond to their opportunities, and much of the vigour of the Association has derived from the initiative of the students It is from its young men that society derives most of its capacity for change, and architecture most of its stimulus. And the young men of the AA, together with their masters, do, in fact, to-day represent the unquestionable seat and centre of avant-gardism in architecture for the whole country; do provide the intelligentsia of which architecture is so badly in need; do carry out their responsibilities as a moral, intellectual and æsthetic pressure group within the profession. It is right that we should all recognise at this time these momentous contri-We should give thanks to butions to whole architecture. the young men of the AA, and we should do honour to the wise and great men who as principals or masters or secretaries have created out of a private venture amongst architects an institution whose influence has to be reckoned in European terms.



The Architects' Journal 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1 Phone: Whitehall 0611



WHO WAS CHING?

Hundreds of AA members and students, who have used, and are still using, Ching's Head for a cup of tea or a quick one, have only a very hazy idea of who Ching is or was. He was the first housemaster to be appointed at the AA school and reigned there from 1920 till 1923. Howard Robertson referred to him in a note in *Harlequinade*, the AA students' magazine, as "that kindly presence which for many years has loomed broadly and pleasantly in studio and coffee room." When he left the AA, Mr. Ching (who died in 1924) retained the word "Chingzed" as his telegraphic address.

HOWARD ROBERTSON

If it was Robert Atkinson who laid the foundations for the final stage of the AA system of education, it was Howard Robertson who erected the building. Architect and teacher, his sixteen years as Head of the Atelier, Principal and Director, fixed firmly the lines upon which education at the AA and, therefore, architecture throughout the country, has developed. A long line of Principals has amply justified the policy of insisting that a practising architects; none has vindicated this principle more triumphantly.

Though author of several books, including *The Principles of Architectural Composition*, now a recognised text-book, and designer of many famous buildings, it is as a teacher that Robertson's influence has been greatest. He was appointed to the staff to take the evening school in August, 1914; the date will suggest many reasons why the appointment was never taken up. On returning from the war, he first took charge of the Atelier, becoming Principal in 1920 and Director in 1932, resigning in 1935. A long period this for a busy architect to devote so wholeheartedly to an activity outside his practice. Howard Robertson never grudged this time.

F. R. YERBURY

While Presidents, Directors and Principals, and numberless students came and went, F. R. Yerbury stayed on. For innumerable architects in England and, indeed, the whole of Europe, Yerbury was, in fact, the AA. For 37 years he laboured within the Association, and although it is now ten years since he ceased to be General Secretary, the AA is still his baby.

From 1911, when he first became Secretary, until to-day Yerbury has regarded it as his duty to see that the world knows about the work of the AA School and that the AA should know what architects are thinking and doing all over the world. Swedish and Dutch architecture was made known to England by Yerbury's photographs, which alone would have made him famous, his enthusiasm and the AA tours he organized.

At the same time he was responsible for all the administrative decisions that have made possible the carrying out of the policy elaborated by Atkinson and Robertson. The post 1914-18 war reorganisation was in his hands; he established the Materials Bureau, which afterward developed into the Building Centre, of which he is now Director; he started the School of Planning, now the APRR. This may sound as though he is a paragon, but he is far too human for that.

GORDON BROWN

Though he is not the almost mythological figure, part and parcel of remote AA history, that F. R. Yerbury is, and though he is a newcomer compared with Robertson, the dynamic figure of Gordon Brown already takes a high place among AA personalities. After the war the AA School needed a Principal with exceptional energy and administrative drive to help cope with the difficulties of getting education on its feet again, and that is exactly what it got. A si suffice by (realis about latest ambii gradu tects toget puta

> The party last cuss next post stud cour well fully The ject con

> > THI R gay no tur apo pro mu

ate

T the ac mi an wi to m A single instance of his energy will suffice. The dynamic character is, by definition, one that combines realism about the present with ideas about the future, and Gordon Brown's latest scheme is something no less ambitious than an international postgraduate school, where young architects from many countries would work together under instructors of world reputations, probably guided by CIAM.

The idea was born when he took a party of AA students to Switzerland last summer. Plans are now being discussed, I believe, for making a start next year in Zurich in the shape of a post-graduate summer school, with students drawn from only a few countries, with the idea that if all goes well it will lead to a full-time school, fully international, the year after. Though this is not strictly an AA project, it provides another instance of the consistent way progressive ideas emanate from Bedford Square.

THE PANTOMIME

Reinstated this year after the wartime gap, the AA pantomime has at present no name, and is, I am informed, a mixture of allegory, fantasy and pure hellzapoppin. In the tradition, scenery, props, drops, script and most of the music is by the students.

The AA pantomime is a successor of the "soirée," one of the original activities of the AA. The first pantomime proper was performed in 1920, and was the work of Eric Bird, who wrote the script, Wally Wolland (later to join the BBC), who composed the music, and Bill Small, who produced.

THE ARCHITECTS' JOURNAL for December 11, 1947 [513

Incidentally, the AA has the distinction of having housed the first theatre to install a four-colour dimming lighting equipment for a stage show. I think this was in 1922, and the work was done by two students, the brothers Gregor Grant, whose passion was electricity.

THE AA AT THE BUILDING EXHIBITION

In addition to being its centenary year, 1947 is also the first year in which the AA has had a stand at the Building Exhibition. The stand was designed by Joan Burnett, an ex-student, and Peter Dickinson, a fifth-year student. The idea was to provide a rest room for members and their friends after padding up and down the aisles of the Exhibition.

FINALLY, HATS OFF TO:-

James Wylson and Robert Kerr for jointly laying the foundations of the AA; to Robert Atkinson for being little seen and heard but much felt; to F. R. Yerbury for introducing the AA to the world and the world to the AA; to Howard Robertson, past Principal, Director and Centenary President, for his advice to students to sharpen their pencils with a long, keen point; to R. E. Enthoven for keeping the Librarianship of the RIBA within the AA; to Frederick Gibberd, wartime Principal, for being good enough to have been an AA student; to Louie (Mrs. Eastman) for providing the best lunch in town for half-a-crown; to Mr. Ching for having left his head behind while his soul goes marching on; to the AA Yellow Book for making the Board of Education sit up and take notice; and to Hope Bagenal for making so much of sound with so little fury.

ASTRAGAL



The AA stand at the recent Building Exhibition which was designed by Joan Burnett, an ex-student, and Peter Dickinson, a fifth-jear student.



LETTERS

A. G. Stanwell

War Memorials

SIR,—Mr. Gneditch's letter is helpful insofar as it inspires that most active human faculty—reason, which is most active when appealed to, dormant when ignored.

My contention with war memorials is also on principle, whether the cost is £600 or £60,000. Surely, there are few people in Europe dependent on such symbols, no matter how beautiful, for their memory of past "great wars." By all means have memorials, Liverpool is full of them, but not to teach us the lessons of war, nor to "enshrine in the hearts of survivors" what should be in their hearts anyway. The best memorials to wars' tragedies have

The best memorials to wars' tragedies have been recorded in war books, plays, and a few histories, apart from veterans' reminiscences, and they keep alive the brave humour and pitiful waste (in view of "This was London" at Olympia), but can these vital memories really be adequately expressed in stone? Is not the average attempt to venerate the dead in this way a confession of the reluctance to learn from experience? Will not posterily repeat the ancient question, "What mean ye by these stones?" The world has yet to disprove the remark of G. B. S.: "We learn from history that we never learn anything from history."

It would appear that this is all too true on the question of "venerating the dead" and learning from those who have survived. Surely the beautiful fountain referred to (A.J., November 13) commemorates beauty and peace, not the hideous cruelty of war, whether these two opposites have been confused or not.

Also, my reference to idolatry needs perhaps a little more qualifying. Take the mediæval cathedrals. These were conscientiously built for Christians to worship together, but now thanks to the human tendency towards idolatry in almost every thing, the buildings themselves have been venerated and worshipped instead of the genuine qualities and principles that inspired them. Did this attitude not produce the decadence of all styles from Greek onward? Orthodox Christianity has mainly lapsed into ritualism and idolatry. Is not modern wreath laying (generally, without being specific) a tendency to the most venerable looking but none the less idolatrous excuse to shun the demands of one Creator's universal brotherhood of men?

It is surely a solemn responsibility of all conscientious architects to avoid prostituting the mistress of the arts to the mere glorifying of persons, dead or alive. In spite of death still being more popular than life, a more practical help to limbless ex-Service men (to take only one case) would be on the lines of Mr. Dunham's appeal. That would be one step nearer the right mark, I think. Building for life instead of death is another.

Beckenham A

A. G. STANWELL (CX-R.N.)

FROM AN AA PORTRAIT GALLERY



Centenary President Howard **ROBERTSON :** the Principal who made the AA school what it is; the most successful exponent of the idea that a teacher must practise while he preaches.



Ex-Director of Education Robert ATKINSON, who is still a power in the AA because the educational system he established after 1918 is still the basis on which the school operates.



Post-war Principal Gordon BROWN who dropped on the AA by parachute with galvanizing effect. As an organizer he collaborates equally smoothly with staff, students and members.



Oldest inhabitant J. M. **KENNARD**, who joined the AA in 1874, is now 91, sat for the first examination held by the RIBA—and passed it—and has four architect sons.



F. R. YERBURY, who needs no descriptive prefix, because he is the AA personified, and in many countries British architecture personified as well, since he is talked of by everyone.



Some, in addition, talk of H. J. ALEXANDER. And if they don't they know he is there all the same, in the Secretary's chair, because that's why the AA runs so efficiently.



Ex-Librarian Hope **BAGEN-AL**, who was a pillar of the AA for many years and a greater authority than anyone in Bedford Square on prints, phons, decibels and sonnets.



Present Librarian Enid CALDICOTT is everybody's confidant. Began her enthusiastic participation in all AA activities by playing leading parts in the most famous pantomimes.



Planner E. A. ROWSE who planned the AA's interest in planning. As one of the AA's most go-ahead Principals he also replanned the structure of the school by introducing the unit system.



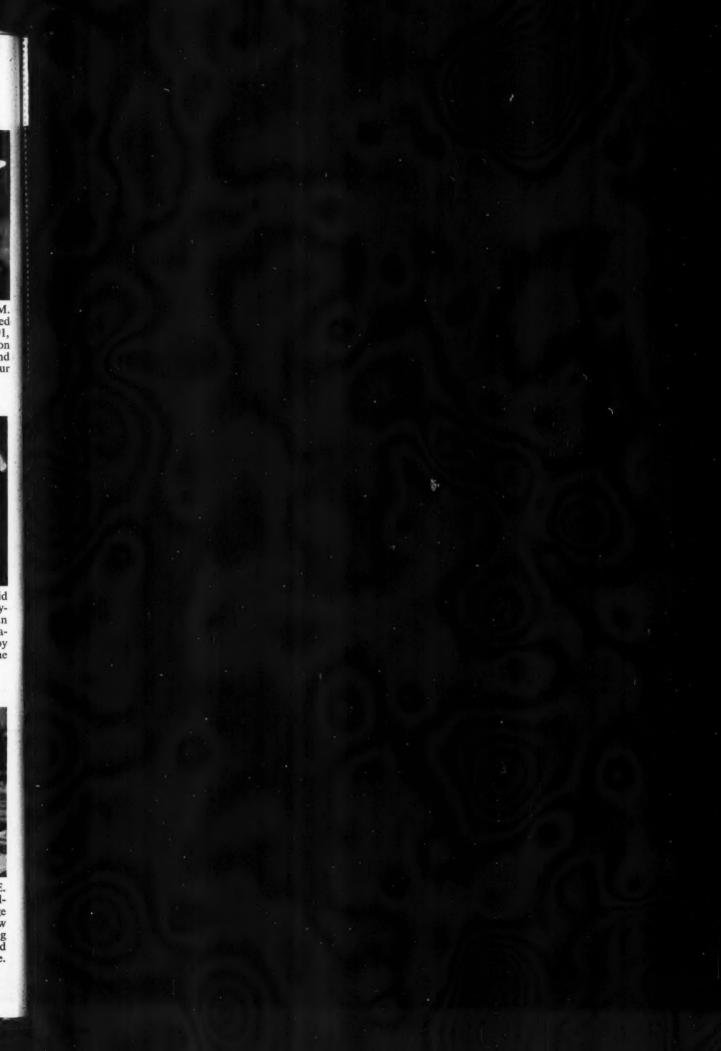
Year-after-year-master E. R. JARRETT, on the other hand, has preserved what is soundest in the continuous AA tradition that survives all replanning. He guides the student's first footsteps.



Another staff member of long standing is L. H. **BUCKNELL**, one of the most famous figures in and out of the studio, lecture room, library, members' room and dining room.



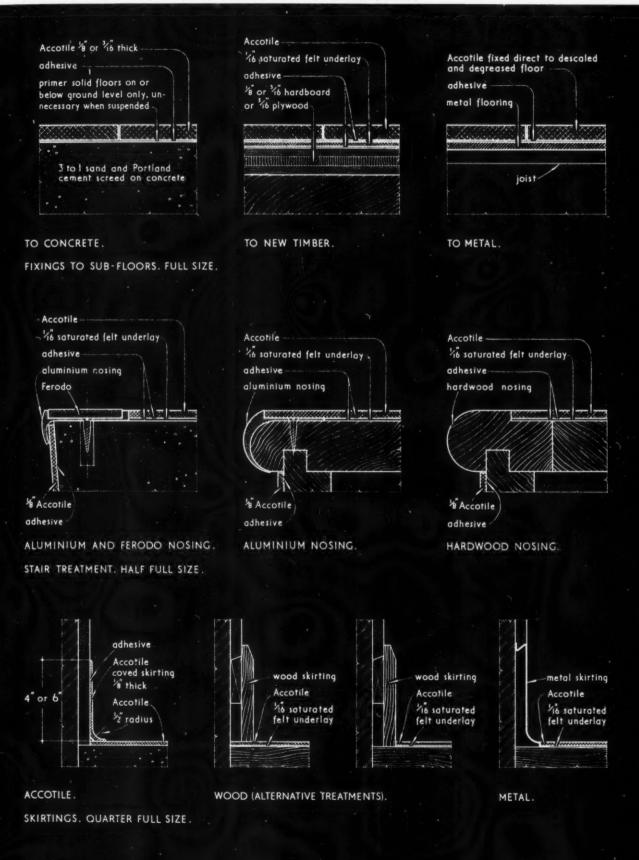
Senior vice-President R. E. ENTHOVEN, most brilliant student of a vintage year. In addition he now personifies the never-failing alliance between Bedford Square and Portland Place.





FLOOR TILES COMPOSITE

The Architects' Journal Library of Information Sheets 21. Editor : Cotterell Butler, A.R.I.B.A.



18.GI

18.G1 ·ACCOTILE· FLOOR TILES

General

This Sheet deals with Accotile floor tiles and coved skirting and illustrates their application to concrete, wood and metal floors.

Accotile is a thermoplastic composition floor tile made of asbestos fibres, mineral pigments and asphaltic or resinous binders. It is extremely hard wearing, retains its appearance under the most severe traffic conditions and is easily maintained by sweeping, washing or polishing. A grease-proof Accotile is available for floors which are to be exposed to greases or organic solvents.

Sizes

The standard tile sizes available are 18 in. by 24 in., 12 in. by 12 in., 9 in. by 9 in., and 6 in. by 6 in. Special sizes can be cut to order in any size that can be cut without waste from 18 in. by 24 in. tiles. Border strips may be obtained 24 in. long by 1 in. to $5\frac{1}{2}$ in. wide in multiples of $\frac{1}{2}$ in.

The tiles may be obtained in two thicknesses, $\frac{1}{2}$ in. which is recommended for houses, schools, offices and similar buildings; and $\frac{1}{4}$ in. which is recommended for entrance halls and public spaces subjected to heavy traffic.

Colours

Accotile is supplied in plain and marble patterns in a wide range of colours.

Applications

Sub-floors should be structurally rigid, free from vibration, even, and as far as possible smooth and clean. Unevenness in a sub-floor would, in time, be reproduced to a certain degree in the surface of the Accotile, and movement due to lack of rigidity would result in the joints between the tiles opening. Accotiles are fixed to sub-floors by means of a proprietary adhesive and the work should be carried out by a firm whose name appears on the Manufacturer's list of approved Accotile specialists.

Concrete sub-floors : New concrete sub-floors should be finished with 3 to 1 sand and Portland cement and should be allowed to dry until the top surface is free from dampness (i.e., 14 to 21 days drying time under normal conditions). Solid concrete sub-floors whether at ground level or below ground level do not require damp-proofing provided that the sub-floor is free from hydrostatic pressure. On suspended concrete sub-floors the Accotile is fixed direct to the screeding with Armstrong's L.160 Emulsion or L.90 Cement. On solid concrete sub-floors, on or below ground level, the screeding is first primed with Armstrong's L.80 Primer and the Accotile fixed with Armstrong's L.90 Cement. For the purpose of setting levels no allowance need be made for the thickness of primer and adhesive.

Wood sub-floors: On wood sub-floors an underlay should be provided of saturated paper felt on hardboard or ply-wood nailed with flat-headed galvanized nails spaced not more than 6 in. apart in both directions and on all edges. This is to counteract any shrinkage of the floor-boards which might take

place after the tiles have been laid and which would otherwise result in undue strain on the adhesive and on the tiles. When ply-wood or hardboard is unobtainable, it is reasonably safe to fix Accotile with a saturated paper felt underlay on old wellseasoned floor-boards, provided the boards are made sound, secure, smooth and even, and provided all cracks wider than $\frac{1}{8}$ in. are filled with a plastic filler or carefully fitted pieces of wood. Under no circumstances, however, should Accotile be fixed on new wood floors without an underlay of hard-board or ply-wood. The paper felt underlay is fixed to the sub-floor with Armstrong's Linoleum Cement and the Accotile is fixed to the underlay with Armstrong's L.160 Emulsion. An allowance of the in. should be made for the thickness of the paper felt underlay. Non-absorbent sub-floors (e.g., metal, tile, terrazzo and marble): Tile, terrazzo and marble sub-floors should be thoroughly cleaned preferably by means of a scrubbing machine using soapy water and clean sharp sand. Any joints or cracks should be filled with a plastic filler. Metal sub-floors should be cleaned of all rust, scale, oil or grease. The Accotile is fixed direct with Armstrong's L.90 Cement.

Magnesite sub-floors: New magnesite sub-floors are slow drying; old ones are often structurally weak. A special recommendation is therefore necessary on each magnesite sub-floor and the specialist or the manufacturer should be consulted.

Stair treatment: Three methods of applying Accotile to stair treads and risers are illustrated on the face of this Sheet. A continuous nosing with the top edge set to finish flush with the surface of the Accotile must be fixed prior to the Accotile.

Skirtings

Four types of skirting treatment are illustrated on the face of this Sheet. In the case of the Accotile coved skirting the plaster or rendering on walls should be carried down to the sub-floor and made even and free from dirt or foreign matter. The skirting is fixed direct to the plaster or rendering with Armstrong's Coved Skirting Cement. Internal and external angles are formed on the site.

Maintenance

Accotile floors should not be washed or polished for about two weeks after installation, as the adhesives are comparatively slow setting. After two weeks Accotile may be maintained by washing with warm water and soap or a washing powder provided by the manufacturer or it may be polished with a Wax Emulsion. Paste waxes containing spirit solvents must not be used. Accotile when polished will have the same degree of slipperiness as other polished surfaces.

Compiled from information supplied by : Armstrong Cork Company Ltd.

Address : Kingsbury, London, N.W.9. Telephone : Colindale 7080. Telegrams : Armcorko London.

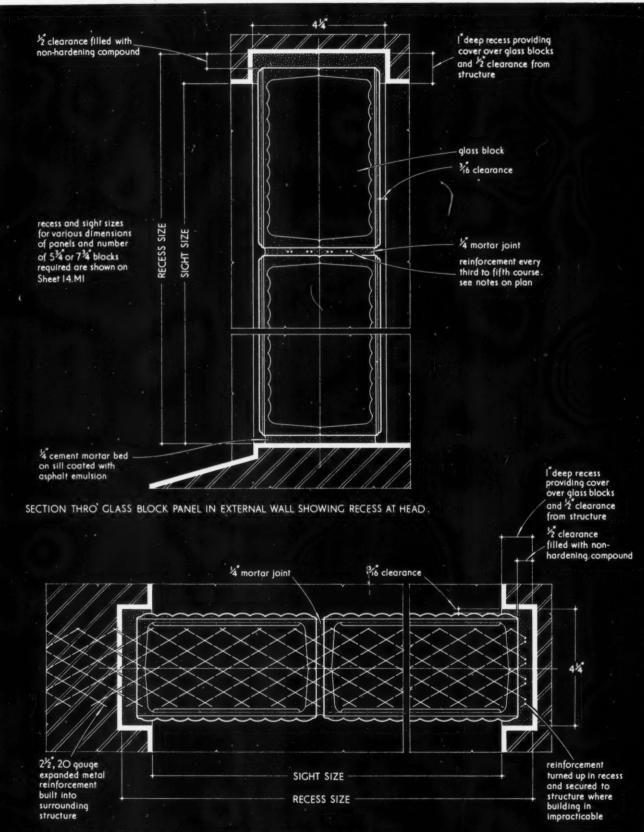
Copyright Reserved. The Architects' Journal Library of Information Sheets. Editor: Cotterell Butler, A.R.I.B.A.





BUILDING BLOCKS GLASS APPLICATIONS

The Architects' Journal Library of Information Sheets 22. Editor: Cotterell Butler, A.R.I.B.A.



PLAN OF GLASS BLOCK PANEL IN EXTERNAL WALL SHOWING RECESS AT JAMBS.

CONSTRUCTION OF EXTERNAL PANELS USING 'INSULIGHT' HOLLOW GLASS BLOCKS. Manufacturer: Pilkington Brothers Limited.

14.N1 ·INSULIGHT· HOLLOW GLASS BLOCKS

General

This Sheet describes the general construction of external panels using hollow glass blocks. Sheet 14.M1 gives standard shapes and sizes of blocks together with tables of dimensions of openings to accommodate glass panels up to 20 ft. high or 20 ft. wide. For typical working details of panels in brickwork and reinforced concrete structures see subsequent Sheets in this series.

Panel Sizes

Insulight hollow glass blocks are non-loadbearing units, and although they will carry their own weight safely up to a reasonable height it is necessary because of wind pressure and other stresses to put intermediate support in panels where the height is more than 20 ft., the width more than 20 ft. or the area more than 120 ft. super. These dimensions may be exceeded for internal panels in certain cases.

Fixing

Treatment at head and jambs : In all panels, the head and sides must be built free of the main structureexcept for the reinforcement-to prevent panels being subjected to strains due to settlement, building load, or expansion. A 1 in. clearance should be provided which must be kept free of mortar spillings, and filled with a non-hardening compound. In cases where intermediate support or structural dividing members are introduced into panels, the glass blocks must be insulated by clearance joints. In external panels, recesses into which the head and sides are built free of the main structure must be provided, except where the dimensions of the panel do not exceed 8 ft. high by 2 ft. wide, or 6 ft. high by 3 ft. wide. The recess should be 41 in. wide by 1 in. deep, allowing $\frac{1}{2}$ in. clearance and $\frac{1}{2}$ in. cover with in. play on either face ; the 1 in. clearance should be filled with a non-hardening compound to provide a weatherproof joint. Where intermediate supports are introduced, it is not essential to provide recesses in these.

In internal panels, rebate fixing is recommended : in certain cases butt fixing can be used.

Treatment at sill: Before the bottom course is laid, the sill should be coated with an asphalt emulsion or similar material, and the blocks then bedded with mortar as specified below, so as to allow for slight movement without disrupting the mortar bed and thereby preserving the weather-resistance of the panel.

Reinforcement : Reinforcing strips should be built into every third to every fifth course dependent on the size and position of the panel. The ends should pass through the clearance joint and be secured to the main structure. Such a material as "Exmet" $2\frac{1}{2}$ in. wide No. 20 gauge expanded metal has been found suitable for this purpose.

Bedding and pointing: As glass blocks are nonabsorbent a fairly dry and fatty mortar should be used. A suitable mix is one part Portland cement, one part hydrated lime (preferably lime putty) and four parts of sand by volume. Clean builders' sand free from gravel (not sea sand) should be used. The face of the joints may be struck back and smoothed during erection. If coloured joints are required they may either be picked out in colour by painting after the mortar is thoroughly dry or raked out at the time of erection and later pointed with coloured cement. The pointing may be of any form or finish; a keyed joint formed with a curved jointing tool is the normal one.

Doorways, windows and ventilators : Small windows and ventilators may be set in a panel as insets. Doors and larger windows require clearance joints and special treatment.

14.M1 Reference Back

On the face of Sheet 14.M1 corrections should be made to the first column headings in both tables. These should read "Sight Size Height" instead of "Sight Size Width" in each case.

Further Information

The Manufacturers maintain a Technical Research and Information Bureau which is available to answer questions and advise on technical problems dealing with this subject generally.

Compiled from information supplied by : Pilkington Brothers Ltd.

> Head Office : St. Helens, Lancashire. Telephone : St. Helens 4001. London Office : 63, Piccadilly, W.1. Telephone : Regent 4281.

PI

*"

*T D



CENTENARY

IN 1847 a frustrated student, complaining in *The Builder* of the want of adequate training facilities for architectural students and suggesting, boldly enough, that students might well start a school of their own, wrote : "What is to prevent such if a number of us put our shoulders to the wheel and form it?" Shortly after a school was indeed formed and the first roots of the Architectural Association were established. Since these early days the AA has prospered and its school has come to lead the field in architectural education. To mark the centenary celebrations to be staged next week, the Journal in this issue devotes most of its pages to the AA: Astragal devotes his column to. AA legend; there is a portrait gallery of some of the personalities who have contributed most to recent AA achievement; and on the following pages the AJ's photographer illustrates a day in the AA's life.

PROGRAMME OF CELEBRATIONS

★Wednesday December 17

★Thursday December 18

*Friday

December 19

11.30 a.m. Reception of Delegates by the President and Council of the AA at 36 Bedford Square. 2.30 p.m. Opening of the Exhibition illustrating the history and activities of the AA during the past 100 years.

Speakers will include Sir Ernest Pooley, K.C.V.O. (Chairman of the Arts Council of Great Britain). Tea. At 36 Bedford Square. Informal dress.

8 p.m. The President's Reception and Dance at 66 Portland Place, W.1 (by kind permission of the Council, RIBA).

Evening dress. Orders and decorations.

Tickets, including buffet and wines, £2 2s. 0d. each, including students' guests (AA students £1 1s. 0d. each).

11 a.m. Commemoration Service at St. George's Church, Bloomsbury.

Preacher: The Very Rev. the Dean of St. Paul's.

Collection in aid of Architects' Benevolent Society. 2.45 p.m. Past and Present. An Address by Hope Bagenal.

5.30 p.m. Entertainment of Delegates by the British Council.

8 p.m. Gala performance of Students' Pantomime at RIBA.

Morning and afternoon. Organised tours for Delegates to Ashford, Kent, to see new town plan and housing.

7.30 p.m. Dinner in honour of the Delegates, given by the President and Council, at 36 Bedford Square.



★STUDENTS' DANCE At 36 Bedford Square. 9 p.m.—5 a.m. December 12.

*****STUDENTS' PANTOMIME

Friday	December	12	7.30 to 10
Saturday	December	13	3 to 5.30
Monday	December	15	7.30 to 10
Tuesday	December	16	7.30 to 10

GALA FERFORMANCE

W.C.1.

Thursday December 18 8 to 10.30 Tickets: 2s. 6d., 3s. 6d. and 5s. 0d. Gala Performance: 3s. 0d., 4s. 6d., 6s. 0d. From Mr. R. Gazzard at 34 Bedford Square.

★DISCUSSION. Your City — Your Future.

At 36 Bedford Square, Tuesday December 16. Five students, and Howard Robertson, Peter Shepheard, and Gordon Brown.

A DAY IN THE LIFE

The AA is an institution having many aspects : educational, social, professional and administrative, all of which add up to the daily hum of activity which is AA life. Everything that happens inside the walls of Nos. 34-36, Bedford Square, cannot be illustrated within the limits that paper rationing imposes, but the AJ's photographer, de Burgh Galwey, has visited the AA on a typically busy day and here shows students, members and staff at work.

THE AA

If early in the morning you come across Bedford Square from the direction of the British Museum or London University, the serene face of the AA, flanked on one side by a solicitor's office and on the other by Diocesan House, gives little clue to what goes on behind it when its five hundred students arrive. But round about nine o'clock things begin to hap-The five hundred ben. squeeze in somehow and overflow into another house opposite and into temporary quarters on a bombed site behind the main building.



THE DAY BEGINS

Each of the five years is divided into several parallel groups so that the teaching unit in the studios is of reasonable size, each year master having a number of group masters to assist him. From the student side each group has a student chairman, and each year has a committee of student chairmen





to d the prog zati thos sour wor arm tion trav

C

IN

In

tim any duc dee do too the ėst. fou gro cur is the ha cor con for is des in dif in coan

bu

OF THE AA

to discuss with the year staff the general problems of the programmes and the organization of the curriculum. For those who may think this sounds like the army, it is worth noting that unlike the army not only the information but also the rockets can travel in both directions.

IN THE STUDIO

In the studios it is sometimes hard to believe that any drawings can be produced at all, for everyone is deep in discussion. But they do get done, and very well too, and all the better for the talk. Discussion is keenest, perhaps, in the second, fourth and fifth years, where group working is part of the curriculum. Group working is tackled in two ways : in the second and fifth years half-a-dozen or more students combine on the layout of a complex of elements, a village, for instance, and each student is then responsible for the design of one of the elements ; in the fourth year a more difficult approach is tried, in which the group work co-operatively on the design and construction of a single building, such as a factory.





A DAY IN THE LIFE OF THE AA





CHING'S HEAD

Ching's, in the basement, has been called the Café de Flore of the AA underground move-Stuffy and noisy, ment. well-stocked and overcrowded, it probably gets harder wear and has heard more talk than any other room on the premises, from coffee at eleven until kippers in the evening. With a principally student clientele, it has a special atmosphere, that the more respectable dining room upstairs conspicuously lacks. The redecoration of Ching's by the students is usually imminent and sometimes accomplished, but soon it succeeds in looking comfortably shabby again.



ADN

Two admi AA, cerne bersh sand, The most want to po and luxu guin Corb talk! woul we d Offic geres AA popu She cook life .

DR

It i. that put drin prec Ger pen.

THE ARCHITECTS' JOURNAL for December 11, 1947 [519



Two offices deal with the administrative work of the AA, the general office, concerned with the architect membership of nearly two thousand, and the school office. The materials bureau sells most things an architect wants, from drawing pins to post-war building studies, and most of the necessary luxuries as well, from Penguin Modern Painters to Le Corbusier. " All this talk!" says Louie. " There wouldn't be much talk if we didn't fill their stomachs." Officially the catering manageress, but in fact a pillar of AA life, Louie is equally popular with all generations. She is seen talking to the cook on the right. In private life she is Mrs. Eastman.

DRINK BEFORE MEAT

It is at lunch-time every day that the non-student members put in their appearance. A drink in the members' room on the first floor of No. 36 precedes lunch down below. Gertie (Mrs. Bryant) dispenses the drinks.



THE DINING ROOM

Lunch time sees the dining room nearly as crowded as an RIBA General Meetinghappens much and it more often. It has become so popular that the dining room has recently been extended, and now occupies the greater part of the ground floor of two houses. Shared by members, staff, and students, it is one of the few real meeting grounds for all architectural generations in London.

BUILDING PRACTICE

This is not the Youth Railway but the practical building site in Morwell St., behind the AA. The object is not to turn the students into tradesmen or give them some mystical contact with Craft, but simply to show them at first hand, and in a way that visits to works in progress can rarely do, how things are put together in a Coming in the building. first three years of the course, this part of the curriculum, in which the AA is unique, forms a valuable background to studio work. With a permanent Clerk of Works in charge, students do the rougher work, such as bricklaying, carpentry and precast and in situ concrete-and not so roughly either. Skilled tradesmen give demonstrations of more exacting processes, such as asphalting, plastering and terrazzo. Latest development is the trying out of experimental methods and details.









"P The P of the

sati

the

run Th inte tion "I is to t ian Sh

S7

Ti fif fin bo fa (a to cu an se th b ti f t t t t t t t

"PLAN" EDITORS

The Editorial board of "Plan," the termly journal of the national student organisation, the Arch. SA. It is the AA students' turn to run this for the next vear. There are rumours that it is intended to continue the tradition of the last AA paper, "Focus." The next number is due in January. Left to right, S. Scorer, T. Williams, N. Hyams and Graeme Shankland.

STUDENTS' COMMITTEE

The students' committee has fifteen members, three elected from each year. A formidable body for any Principal to face, but Gordon Brown (at head of table) manages to do so regularly, discussing educational policy and school organization. It seems to be recognized that the student is not a schoolboy, but an adult who can help the school authorities with positive contributions and criticisms. The AA is perhaps the only architectural school that really accepts this sort of discussion as complementary to the studio work.

LIBRARIES

8,500 books, 33,000 lantern slides, and a good selection of architectural papers—an important service for members as well as for the school. The pleasantest room at the AA, the library occupies the width of two houses on the first floor and looks out over the square. Seen from the outside on a winter's evening, its lighted ceiling is one of the sights of London.



A DAY IN THE LIFE OF THE AA







THE COUNCIL MEETS

Whatever the other members of the Council may think of the agenda it is evidently just Lionel Pearson's cup of tea. The Council, which runs the AA, consists of ten Ordinary Members elected annually by the membership, and seven officers elected by the outgoing Council. The photographer has chosen the senior side of the table to include the Secretary, President and vice-President, but there is a good balance of less senior members as well. Students and staff cannot actually serve on the Council, but they are represented on the House and General Purposes Committees. Left to right, the Secretary, H. J. Alexander, the President, Howard Robertson, and Graham R. Dawbarn, R. E. Enthoven and Lionel Pearson.



INTERVAL FOR TEA

BACK TO WORK

With numbers as they are, juries and criticisms of finished subjects take up a fair proportion of staff time. Students are often represented on juries and there have been experiments with crits run on discussion lines in which both staff and students have opportunities of criticising schemes and their authors of defending them.



THE

A q write room befo

10

In 100 ha fin wi pr to in he a m p le a St S

THE MEMBERS' ROOM

A quiet interval, just time to write a letter in the members' room overlooking the square, before the evening rush begins.





ONE FOR THE ROAD

In the evening the members' room fills up with tired, hard-working architects who find the AA an ideal place in which to relax and exchange professional gossip, and also to keep in touch with goings-on in the AA school, which it has always been a tradition among members to do. The members' room would not seem properly furnished without left to right, F. R. Yerbury and L. H. Bucknell, here seen chatting to Louis de Soissons and Grey Wornum.

AND SO HOME

In the days when students' lodgings were easier and cheaper to find in Bloomsbury and Soho, AA evenings were the best part of the day, so they say. But nowadays there are trains to catch. The cat, however, can still enjoy the luxury of the metropolitan night.

A' DAY IN THE LIFE OF THE AA







Discussing the White Paper, Ian Bowen sees in the new programme of capital investment for 1948 a scaling down of investment plans not, in fact, for 1948, but for the following and subsequent years; he deplores that " a kind of coyness surrounds the issue of programme figures" and suggests that any new programme should be discussed by the interested public long before any final official decision is taken.



The New Programme of

CAPITAL INVESTMENT IN 1948

[by Ian Bowen]

THE SIZE OF THE CUT

One hundred and eighty millions is a large sum of money, and a cut of this order of magnitude im-presses the public as being an un-pleasant dose of austerity. It represents, however, a cut on an anticipated total capital expenditure of £1,600 millions for the whole country, i.e., inclusive of private as well as of public investment. Thus it is a cut of the order of 11 per cent. in planned rather than in actual expenditure.

We read that such items as the Severn Tunnel, the New Towns (apart from roads and sewers), new offices and commercial buildings generally, and all new industrial buildings or extensions (apart from projects of "exceptional importance") are to be postponed. In the case of industrial build-ings there is to be a holiday on starting new projects for a period of six months. The embargo on licences for shops and com-mercial premises is to be applied "even though this must have the effect of delaying plans for rebuilding the centres of cities damaged during the war." Schemes for deep-water quays at Leith and other reclamdeep-water quays at Leith and other reclamation and deepening work at Hendon are to be abandoned. Cuts in the labour force engaged on installing telephones will result in a lengthening of the already long list of would-be subscribers.

of would-be subscribers. These, and the other details of cuts given in the White Paper, can make the reader hear the pips squeak as the orange is squeezed dry. But a further examination of the programme now before the country may perhaps present it in a slightly different light.

THE CUT IN TERMS OF LABOUR

The following table summarises the cuts in building and civil engineering labour to be employed in June, 1948, as compared with the force employed in October, 1947. There

employed in June, 1946, as compared with the force employed in October, 1947. There are two very striking points emerging from the figures set out in this way. First, not all the cuts are cuts. The Ministry of Supply is to increase its labour force by 4,000, because its responsibility includes "engineering, iron and steel, and research and development on defence air-craft and atomic energy." Agriculture is to have the largest increase of all, gaining 12,200 men over the next eight difficult months. Education and the Health Ser-vices between them gain 13,600 men over the same period, and Fuel and Power is to gain 6,500 men. As a result of these offsetting gains, the second point of the table is established: namely, that the over-all reduction in build-ing and civil engineering labour employed is only 32,000 men, or only some 4 per cent. A hostile critic might, and probably some

A hostile critic might, and probably some will, refer to this 4 per cent. reduction as a somewhat derisory figure.

a somewhat derisory figure. Since it has required such mountainous parturition to prevent the departmental claims for labour from exceeding 749,000 by next June, it seems to be fairly clear that the scrapping of named schemes (the Severn Tunnel, and the Hendon deepening and widening, etc., etc.) is to some extent face-saving. How could these schemes possibly have been carried out in 1948 on any calculation? Their abandonment can only take effect by 1949, and the only reasonable. calculation? Their abandonment can only take effect by 1949, and the only reasonable, interpretation of the new programme seems to be that it entails a genuine scaling-down in investment plans *not* for 1948 but for the following and subsequent years. Any further cut in labour must presumably be looked for not in the items in the table

be looked for not in the items in the table, but in the remainder of the industry, the quarter of a million and more employed on work not scheduled below. These are mainly the employees of very small firms. There is as yet no sign that the Government (or anyone else) has a plan for reforming the structure of the industry.

THE NEW HOUSING PROGRAMME

Housing is to sacrifice, in total, some 44,000 men from October, 1947, to June, 1948. But new permanent housing is not to suffer, but is to increase its labour forcedrawing men from the repair of war-damaged houses and from the closing tem-porary housing scheme. Thus, housing investment may very well—as far as new permanent housing is concerned—be much greater in 1948 than in 1947.

There are many economic justifications for such a policy. How many houses it is in-tended to start over the next eight months remains, however, something of a mystery. There are to be 210,000 houses under con-struction at the end of June, 1948; there struction at the end of June, 1948; there were 260,000 under construction, and 90,000 approved but not started, at the end of October, 1947. It would almost seem as though the Government were hoping com-pletions to average 25,000 per month at least from November, 1947, to June, 1948, inclusive, *i.e.*, a total of 190,000 houses completed out of the 350,000 stock now in hand. hand.

hand. Even 25,000 would be a high average for this period, if really bad weather develops in January and February. This figure would imply that 50,000 houses were started from November to June, *i.e.*, some 6,250 a month—a very much lower figure than the present average. There is, however, not the slightest indication yet to be seen of such a cut in commencements

a cut in commencements. If starts are *not* to be scaled down as drastically as this, then the implication is as to the rate of completion. But the general intentions of the new

But the general intentions of the new housing programme are undoubtedly sound; to aim at finishing off as many houses as possible as quickly as possible is a sensible policy. On this side of the programme the Government is wise new to be a sensible Government is wise not to have been panicked into much more disastrous pruning

and paring. It is, however, an unfortunate footnote to the present state of the gentle art of plan-ning that the full details of programmes are not given to the public. A kind of coyness 'surrounds the issue of the pro-gramme figures, so that the observer is driven to guesswork.

driven to guesswork. Our last two plans, moreover, the "Econ-omic Survey for 1947" and the present White Paper, are the product of particular crises. Could not fuller man-power and capital expenditure programmes be issued and discussed, like the Estimates and the Appropriation accounts, at stated intervals? The sudden changes in policy, which are the reverse of good planning, result partly from extraneous causes, but partly perhaps from the inadequate publicity given to from extraneous causes, but partly perhaps from the inadequate publicity given to programmes in their more tentative stages. The numerous detailed consequences to architects and building materials producers of any new programme should be discussed in the journals and elsewhere long before the final official decision is taken—by which time constructive criticism is often inevitably too late inevitably too late.

Estimated change in Building and Civil Engineering Labour employed for Housing and Departmental Programmes.

(Labour in 000's.)

	Oct., 1947	June, 1948	Reduction
Housing	569	525	-44
BOT	63	57	- 6
M. of Food	19.5	11	- 8.5
MOS	34	38	+4
Agriculture	14.8	27	+12.2
Civil Aviation	2.5	1.7	- 0.8
Education, Schools, etc.	16	23.4	+ 7.4
Fuel and Power	20.5	27	+ 6.5
Health Services	18.8	24	+ 5.2
Home Office	?	(1)	+ (1)
Post Office	5	4	- 1
Transport	17	10	- 7
Total of above items	780.1	749.1	-31

45 YEARS PERSONAL EXPERIENCE OF THE FLOORING TRADE

THE PHILIP FLOORING COMPANY

P D. PHILIP (British)

Telephone : FINCHLEY 3478 (2 lines)

ich

for in

ths TV.

on еге

00

of

as m-

at 48. 292 in for ps ed a

he ot ch

as 18 re

ew

d:

as

le he

en

ng

to

n 00 of

0 is

nnt

ar

ed

ne

s? hely

ps to

es. to

rs

ed

re by

'n

ng tal

-

FLOORING SPECIALISTS, 55 East End Road, Finchley, LONDON, N.3



CONTRACTORS TO ADMIRALTY WAR OFFICE AIR MINISTRY MINISTRY OF WORKS MINISTRY OF SUPPLY L.C.C. MIDDX. C C. &c. &c. FLOORING SPECIALITIES WOOD BLOCK, PARQUET STRIP (HARDWOOD) & MAGNESITE JOINTLESS COMPOSITION (HEW COMP OF PRACTICE) FLOORINGS, MOSAIC, TERRAZZO & MARBLE PAVINGS, RUBBER & LINOLEUM, RESURFACING OF EXISTING FLOORS BY MACHINE "FLUIDGLASS" TREATMENT FOR LINOLEUM



To Whom it may concern.

Dear Sir(s),

14th Nov., 1947.

SPECIALIST FLOORINGS, INCLUDING JOINTLESS

COMPOSITION FLOORING.

We have already referred to wood block floorings for Housing (the Minister of Health has informed us that he will allow us to supply and lay this class of flooring in standard houses) and we have plenty of stock.

We have been able to obtain a substantial quantity of reclaimed and redundant timber and also slabs of off-cuts, from which we are manufacturing 1" and $\frac{3}{4}$ " softwood and hardwood flooring blocks. These can be supplied and laid, as intimated by Ministry of Health Circular 79/47 dated 29th April, 1947, over and above the 1.6 standards of softwoods allotted to each house, and the Ministry have instructed local licensing officers to issue Timber Control licences accordingly. Orders can be accepted and executed in strict rotation until supplies are exhausted.

Blocks manufactured from reclaimed hardwoods can also be laid in Buildings other than Housing. Timber Control (Consumers) licences are readily granted and we can assist in this respect.

Hitherto we have not tendered for composition floorings, as we did not consider the synthetic magnesite (manufactured from sea-water) suitable for this class of flooring. Now, however, that we can obtain the genuine imported mineral magnesite, we are able to give the 100% guarantee that clients are entitled to, and shall be happy to submit quotations for this type of flooring. It is obtainable in red, brown and/or buff.

Should you have floors that are badly worn, we can clean off, reface and wax-polish, using electrically or petrol-driven surfacing machines.

Please send us your inquiries.

Yours faithfully,

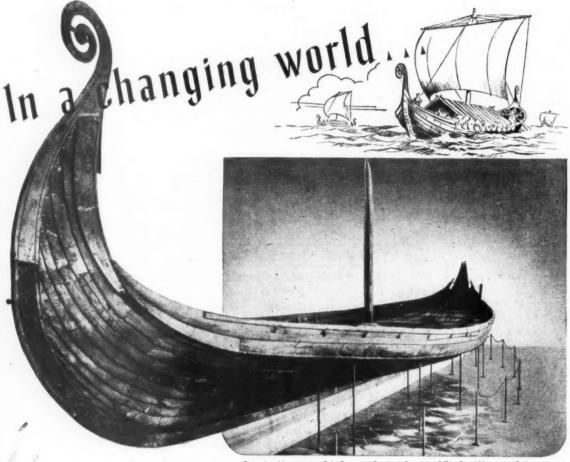
The Philip Flooring Company.

Porhicip.

(For 39 years connected with Messrs. Jos. F. Ebner, Ltd.)

FLUID GLASS.

P.S. We are still in a position to supply this solution which forms a quick-drying permanent surface for linoleum. Once applied, it forms an impervious non-slip shiny surface and remains unaffected by hot water, beer, acid, etc. When dirty, the surface only requires wiping with a damp cloth to restore its Please apply for particulars. brightness.



Reproduced by courtesy of the Press and Foreign Information Office, Royal Norwegian Embassy, London

on pri In no di pri on a I

T

aN8GULEEGSC C22EF

Timber endures

About 850 A.D., the Norsemen put their faith in sound timber to build this 70 foot Viking ship—a frail looking craft for the hazardous North Sea crossing. Eleven centuries later it was found in a good state of preservation at Oseberg Farm, Slagen, Norway, and now stands in Bygdöy Museum, Oslo, justifying their faith in the enduring qualities of timber. In modern craft of all types, fine woods are selected with assurance and with a wider choice of timber than builders have ever known. Hardwoods and veneers from many countries, plywoods (flat, shaped and metal-faced), and all prepared for a multitude of uses by processes and equipment which incorporate all the advantages inherent in modern scientific development.

WILLIAM MALLINSON & SONS LTD TIMBER AND VENEER MERCHANTS AND PANEL MANUFACTURERS 130-150 HACKNEY ROAD · LONDON · E 2

TELEPHONES (Private Exchange) SHOREDITCH 8888 (3 liges) SHOREDITCH 8811 (5 lines)

FELEGRAMS. & CABLES ALMONER LONDON

TECHNICAL SECTION

The function of this feature is to supply a digest of, and commentary on current information of interest to architects as recorded in technical publications and statements of every kind throughout the world. Items are prepared by specialists of the highest authority who are not on the permanent staff of the Journal, and views expressed are disinterested and objective. Items are printed on one side of the paper only to permit of cutting out and pasting up in classified order in readers' files. The Editors welcome information on all developments from any source.

INFORMATION CENTRE

To enable items to be filed all information is classified under the following headings:

1 SOCIOLOGY, 2 PLANNING: General, 3 PLAN-NING: Regional and National. 4 PLANNING: Urban ano Rural. 5 PLANNING: Public Utilities. 6 PLAN-NING: Social and Recreational. 7 PRACTICE. 8 SURVEYING, SPECIFICATION. 9 DESIGN: General. 10 DESIGN: Building Types, 11 MATER-IALS: Timber. 14 MATERIALS: Concrete. 15 MAT-ERIALS: Applied Finishes, Treatments. 16 MAT-ERIALS: Miscellaneous. 17 CONSTRUCTION: General. 18 CONSTRUCTION: Theory. 19 CON-STRUCTION: Details. 20 CONSTRUCTION: Complete Structures. 21 CONSTRUCTION: Miscellaneous. 22 SOUND INSULATION. ACOUSTICS. 31 HEATING, VENTILATION. 24 LIGHTING. 25 WATER SUPPLY, SANITATION. 26 SERVICES, EQUIPMENT: MISCEllaneous. 27 FURNITURE, FITTINGS. 28 MISCELLANEOUS.

17.17 construction: general PRESTRESSED R. CONCRETE

Prestressed Reinforced Concrete. K. Billig. (Technical Paper No. 5. The Reinforced Concrete Association. Price 5s.)

Publication in revised form of paper read at meeting of RCA., November 7, 1946. See 17.5.

19.28 construction: detail STEEL ROOF TRUSSES

Steel Roof Trusses for Domestic Buildings. D. V. Isaacs and D. Dalgleish. (Bulletin No. 4, Department of Works and Housing. Australian Commonwealth Experimental Building Station, June 1947.)

Dimensions, standard details and weights of steel roof trusses for spans between 15 and 27 ft.

This bulletin has been compiled to assist builders to select suitable light steel trusses for domestic roofs. Two types of covering have been considered: (1) tiled roofs, with a slope of approx. $27\frac{1}{2}^{\circ}$; (2) corrugated or other lightly sheeted roofs, with a slope of approx. $17\frac{1}{2}^{\circ}$. Variation of the eaves overhang is used as a means of fitting a limited number of standard trusses to any wall spacing within the overall range covered. The roof plan should be basically rectangular, gable ends should be used and truss spacings should not exceed 3 ft. for tiled roofs and 4 ft. 6 in. for roofs of corrugated or other light sheeting.

20.47 construction: complete structures FIREPROOFING OLD STEEL COLUMNS

Precast Fireproofing on Used Steel Reinforces Columns for Re-use. (Engineering News-Record [USA], October 2, 1947, pp. 464-465.)

Old structural steel columns encased in precast reinforced concrete and re-erected.

An old structure was purchased with the idea of re-erecting it practically as it had stood originally. It was found, however, that to meet the building code it was necessary to strengthen many of the columns. These were fireproofed and strengthened in

These were fireproofed and strengthened in a single operation by casting reinforced structural concrete around them in horizontal position in forms similar to those used for precasting piles.

23.45 heating and ventilation ELECTRICITY COSTS

Consumers' Expenditure. Electricity in Relation to Other Goods and Services. S. B. Jackson. (Electrical Review, October 10, 1947.)

Brief note based on work of J. R. N. Stone, Director of Department of Applied Economics, Cambridge. Compares change in price of electricity to change in other materials and services from 1938 to 1946. Interest lies in the fact that electricity price has fallen while all other prices have risen. Point for architects is that if this position holds, their previous ideas on economy of various methods of heating may need reconsideration.

24.48 lighting GLASS

The Reflexion Factor of Glass. J. G. Holmes. (Trans. I.E.S., Vol. 12, No. 5, 1947.)

Computations of light transmission. Limited architectural interest.

Figures given for the reflexion factor of air-glass surfaces, making allowance for the effects of polarisation and multiple internal reflexion. Mainly for specialists.

25.44 water supply and sanitation DRAINAGE: TRAPS, VENTILATION

Sanitation of Buildings, Trapping and Ventilation. L. B. Escritt, A.M.I.C.E. (The Surveyor, September 26, 1947.)

General article on traps and vents. Quotations from regulations. Quotation of Australian rules for design of anti-vac pipes. This is a general article outlining normal methods of providing ventilation and trapping in drainage systems and explaining, with quotations, present regulations. Variations required in one-pipe and two-pipe systems are discussed. Mainly a simple explanation of standard practice, but it does also include a table showing how to decide upon size of vent pipes. No code for this exists in England and the data quoted is Australian.

26.12 services and equipment: miscellaneous FIRE EXTINGUISHERS

Portable Fire Extinguishers of the Gas/ Water Pressure Type, Rivetted Construction. BS 1382:1947. (British Standards Institution. 2s.)

Complementary to BS 138 on chemical extinguishers, this is useful as a simple means of specifying a satisfactory article. Published now to avoid delay pending discussions on welded types.

27.5 furniture, fittings

GYMNASIUM EQUIPMENT

Gymnasium Equipment for Schools. BS MOE 25:1947. (British Standards Institution. 7s. 6d.)

This specification covers all the equipment required by school gymnasia under the 1944 Education Act, from "booms" to "agility mattresses." The larger equipment is illustrated with essential dimensions, but detail design is not rigidly controlled. The construction, materials, and quality of the equipment is laid down. There are two useful appendices, one suggesting suitable quantities of the different items of equipment, and additional apparatus for indoor games, and methods of storage, and the second detailing the sections of information which are to be supplied by the purchaser.

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

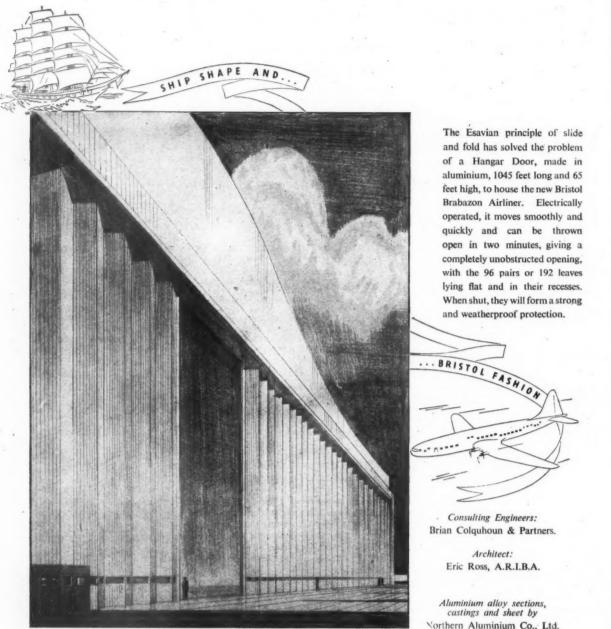
QUESTIONS AND ANSWERS

2921 COST OF WAREHOUSE

Q Can I have your opinion on cost per sq. ft. or yd. of a small warehouse building and garage?

The warehouse would be of approximately 2,000 sq. ft. and 14 ft. to underside of trusses. Asbestos cement roof supported on five trusses of 30 ft. span, and end walls of 18 in. brick. Trusses supported on R.S.S.s with 9 in. hollow concrete block panel walls. Continuous glazing under eaves. Floor 6 in. concrete: sliding door 10 ft. by 12 ft. The garage would be 500 sq. ft. 8 ft. high with concrete floor and roof, and concrete block walls. An office for one man and a water closet are on one side of the garage. The location is a large town in the West Country.

A Estimating at the present time is extremely difficult as prices have not risen uniformly, and a reliable price can only be obtained by properly taking off quantities; but we suggest that 1s. 6d. per foot cube would be a reasonable approximate estimate of the cost of the buildings under consideration.



LARGEST DOOR IN THE THE WORLD

ESAVIAN LTD. have been building Hangar Doors for 30 years. Each one has been carefully planned with ever-increasing efficiency, gained by experience, to form an outstanding feature of the building and to command attention by the dignity of its lines-in keeping with its purpose and its surroundings.

ESAVIAN LIMITED

181, HIGH HOLBORN, LONDON, W.C.1. TEL: HOLborn 9116. 101, WELLINGTON ST., GLASGOW, C.2. TEL: CENtral 2369.

WPD/A36

The stati. build

H

TABL

To De

1946:

1947:

TAB

To D 1946 1947

TAE

Toe

N

Northern Aluminium Co., Ltd.

TABLE IV

The following tables summarise the official statistics on housing progress, the production of building materials and the labour position.

HOUSING, MATERIALS AND LABOUR

[by Ian Bowen]

HOUSING

TABLE I PERMANENT HOUSES IN GREAT BRITAIN: Cumulative Totals

		Begun			Finished	
	Local Authorities	Private Builders	Total	Local Authorities	Private Builders	Total
To Dec., 1945	20,409	_	_	1,657	1,031	2,688
1946: Nov Dec	165,447 178,379	58,581 61,293	224,028 239,672	18,459 23,923	24,639 28,175	43,098 52,098
1947: Jan Feb March	190,340 197,938 205,159	63,319 64,459 65,864	253,659 262,397 271,023	28,440 30,607 34,436	31,609 33,278 35,430	60,049 63,885 69,866
April May June		67,826 70,684 73,181	286,641 305,079 323,473	40,425 47,726 55,642	38,184 41,465 44,356	78,609 89,191 99,998
July Aug Sept	280,197	75,741 78,582 80,208	341,430 358,779 375,757	63,975 71,646 81,983	47,316 49,813 52,323	111,291 121,459 134,306
Oct	309,265	82,303	391,568	92,924	55,362	148,286
Increase of Oct. over Sept.	13,716	2,095	15,811	10,941	,039	13,980
1	Oct. 31, 1947 Local Author Private Builde War-destroyed Government	ities rs d rebuilt		16,		Finished 92,924 55,362 16,121 466
	Tota	4		261,	826	164,873

TABLE II TEMPORARY HOUSES IN GREAT BRITAIN: Cumulative Totals

		Slabbing Begun	Slabbing Completed	Erection Begun	Erection Completed
To Dec., 1945		61,008	39,998	22,932	9,376
1946: Nov.	•••	128,258	112,837	98,650	80,135
Dec.		131,646	115,711	103,796	92,306
1947: Jan.	•••	134,023	118,451	107,214	97,070
Feb.		136,238	118,734	109,033	99,461
March		137,992	119,759	111,002	101,717
April		140,333	123,757	115,166	106,664
May		141,786	127,270	118,653	111,029
June		143,769	130,735	122,353	115,086
July		147,661	134,956	126,375	119,960
Aug.		151,036	138,352	129,535	122,992
Sept.		152,730	142,359	133,328	126,279
Oct.	!	154,042	146,720	138,367	131,643
acrease of O	et.	1,312	4,361	5,039	5,364

Temporary Houses Under Construction at Oct. 31: 6,724.

TABLE III NON-TRADITIONAL PERMANENT HOUSES (ALREADY INCLUDED IN TABLE I) GREAT BRITAIN: Cumulative Totals

					Begun	Completed
o en	d May	1947		 	 46,793	8,281
89	June			 	 52,075	10,009
	July		* *	 	 57,935	12,160
19	Aug.			 	 63,293	14,161
89	Sept.	98		 	 69 183	17,582
82	Oct.	22		 	 74,480	20,657

Non-traditional Houses Under Construction at Oct. 31: 53,823 (In addition to the above, construction has begun on 610 aluminium houses.)

HOUSING ACCOMMODATION PROVIDED OTHERWISE THAN BY NEW BUILDING: Cumulative Totals

								Unoccupied War-Damaged Houses Repaired	Conversions and Adaptations
To end	May	1947						119,062	47,294
80 1	June	99						121,836	49,616
	July	9.0						123,537	51,691
22	Aug.				* *			124 967	53,627
99	Sept.	59						126,542	55.685
95	Oct.	9.9	**	••	• •	* *	••	128,076	58,214
Increas	se of (Sept.	Dct.						1,534	2,529

• Emergency Huts (programme finished August 1946) provided for a further 3,480 families. BUILDING MATERIALS

		OctD	Dec.,	Octo 194	ober
Material	Unit	Pro-		Pro-	
		duction	Stocks‡	duction	Stocks:
1		(monthly	1		
		average)	344		
Cement Bricks	th. tons	618	244	817*	201
Bricks Roofing materials	millions	396	270	461	253
Clay tiles	th. squares	64.4	33.9	79 8	44 7
Concrete tiles	19	48.6	33.9 38.7	63.4	48.9
Slates	89	25.6	28.3	-	-
Asbestos Cement					
Slates	99		-	2,035	—
Asbestos cement					
sheeting	th. tons	29.1	-	32.4*	-
Roofing felt	th. rolls of	244	110	277	10.4
Ceilings, Wall	24 sq. yds.	244	110	2//	184
Linings and					
Floorings					
Plaster gypseous	th. tons	17.6	-	20.0*	
Plasterboard		3,353	491	4,422*	324
Tiles					
Glazed	th. sq. yds.	510	-	420	
Floor (Clay)	99	135	-	157	_
Pipes (Water, Gas, etc.)					
Lead	th. tons	3.67			_
Copper	59	2.66	-	-	_
Soil Pipes (cast	10				
iron)	99	2.24	-	2 4*	-
(Asbestos				0.00	
Cement) Drain Pipes, Salt	33 **		-	0.50	-
Glazed		38.7	_		
Rainwater Goods.	99	2011			
Rainwater Pipes,					
Gutters and					
Fittings		1			
Cast Iron and Pressed Steel	th. of equiv.	4.44			
riessed atees	tons of cast	4.44	_		-
	iron				
Asbestos Cement		[
Goods	th. tons	-	-	2.17*	-
Manhole Covers	th. of equiv.	3.03	-	-	-
and Frames	tons of cast				
Metal Windows	iron Mn ft sun	3.75	2.84	4.14	3.19
Sanitary Fittings	seense and anget			4.84	0.17
Baths	thousands	29.1	-	-	-
Lavatory Basins	** **	79.9			
Sinks		58.3 95.3	-		_
W.C. Pans		95.3	-	113.7	-
Cookers Solid Fuel		19.0			
Electric.		17.6	-	-	_
Gas	99 · ·	35.2	-		-
Fires, Solid Fuel	35	62.1	-		-
Fires, Solid Fuel Wash Boilers					
Electric.		20.9	-	-	-
Gas		48.5	-	-	-
Furnace Pans (Solid Fuel)		4.7			
(sour ruci)	shousands	1.59	_	_	-
Solid Fuel	enderstand	1.37	1		
Solid Fuel Softwood Timber					
Softwood Timber (Imports and	1	1		1	1
Softwood Timber		115.1	214.5	196.83	421.7

LABOUR TABLE VI BUILDING AND CIVIL ENGINEERING LABOUR IN GREAT BRITAIN: Operatives Employed, aged 16 and over

Type of Work	July, 1945	Oct. 1946	Oct. 1947*
Total	535.0	949.0†	1,004.0
Housing Permanent (Construction,	343.9	(619.1)	569,0
and preparation of sites)	17.4	205.3	262.7
Temporary Other (repairs, etc.)	14.5 312.0	39.9 (373.9)	10 3 296.0
Other Work	191.1	(329.9)	435.0

Provisional. The total for October 1946 has been revised from 943,000 to 949,000. Revised figures to each type of work in this table have not been published; but, where no revised figure is obtainable, the earlier estimate is shown in brackets.

TECHNICAL SECTION

[527

The form printed below is to assist readers requiring up-to-date information on building products and services. Complete and post it to The Architects' Journal, 9,11 and 13, Queen Anne's Gate, S.W.I, and the advertisers listed will be asked to supply information direct.

ENQUIRY FORM

I am interested in the following advertisements appearing in this issue of "The Architects' Journal."

Please ask manufacturers to send further particulars to:—
NAME
ADDRESS

A.J. 11.12,47

Announcements

The Minister of Health states that the allocation of steel (other than sheet steel) for housing purposes for period IV/47 (October-December, 1947) is now exhausted. No further "M" forms bearing the symbol "M.H." should, therefore, be issued for this period in respect of steel other than sheet steel. This does not preclude the issue of "M" forms for Period I/48.

A Ministry of Health circular states that an alternative type of bottom grate bar is now available for the Siesta stove installed in temporary bungalows. This is considered to be less liable to burn out, and may therefore be particularly suitable for replacement purposes in mining areas where bituminous coal is used almost exclusively. The alternative type of bar is manufactured by the Park Foundry Company Limited.

Mr. H. A. Bowman has resigned his directorship of Singer Sewing Machines Co., Ltd., to join the Williams and Williams Limited Group of Companies, as General Sales Manager.

Because of the increase in the number of interim development appeals and the importance to Authorities responsible for interim development control of some of the decisions reached, the Ministry of Town & Country Planning is to issue a Bulletin containing summarised notes of selected appeal decisions. The Bulletin will be published periodically by H.M. Stationery Office and will be on sale to the public.

The Earl of Halifax has accepted the invitation of the Council of the Building Societies Association to become President of the Association in succession to Viscount Sankey who, after eight years' occupancy of the office, has felt obliged to resign owing to advancing years. The British Electrical Development Association has appointed Mr. Norman Phillips, of the Metropolitan Electric Supply Co., Ltd., to the post of Exhibitions Organiser in succession to Mr. C. Warrene, who recently resigned.

The establishment of four National Plumbing Studentships (Material Producers' Awards) is announced by the Plumbing Trades National Apprenticeship Council. The studentships have been made possible by the generosity of eleven development and trade associations which between them are providing the necessary funds. It is hoped that four awards of £50 each, allocated to areas in England and Wales and Scotland, will be offered for competition annually. The awards are open to candidates up to the age of 26 years who have passed the Final Examination of the City and Guilds Institute in plumbing and have served an approved apprenticeship.

In an effort to attract young recruits to the joinery industry and to enable boys about to leave school to choose a career, an organised visit by boys in their last term at a Burton-on-Trent secondary modern school was paid to the joinery factory of Messrs. Sharp Bros. and Knight, Ltd., Burton-on-Trent.

The Partnership between Mr. D. N. Martin-Kaye, F.R.I.B.A., and Mr. Warren Neil, A.R.I.B.A., under Martin-Kaye and Warren Neil of 43, Doughty Street, London, W.C.1, and 11, Mint Street, Lincoln, has been dissolved. Mr. Martin-Kaye will continue to practise independently at 43, Doughty Street, London, W.C.1, and Mr. Warren Neil at 11, Mint Street, Lincoln, and 11, Carteret Street, Westminster, S.W.I. The Geargian Group has never removed to

The Georgian Group has now removed to new offices on the first floor of 27, Grosvenor Place, London, S.W.1. Telephone, Sloane 2844.

OUR BUILDING PRODUCTS INCLUDE PRESSED & FORM ROLLED METAL **DOOR & WINDOW FRAMES** SOMMERFELD JOISTS **ROOF CONSTRUCTION & LIGHT** STEEL STRUCTURES FENCING, RAILING & METAL GATES MANHOLE COVERS PORTABLE ROADS CONCRETE REINFORCEMENTS Commerfeld BUILDING COMPONENTS IN METAL Main Office and Factory : TRENCH WORKS, WELLINGTON, SALOP. Tel: 831 (5 lines) Sales Office : 167 VICTORIA STREET, LONDON, S.W.I Tel: Victoria 8844 (2 lines) XXXVI



ps d.

ng il.

re ed to d, y. to he ds

to

er, m rn of

n-il.

en .1, isto ty en

to 27

> Oak—one of the many fine woods used by this Company to produce work of which the Industry can be proud.

The Midland Woodworking Company Ltd

MELTON MOWBRAY

Craftsmen in Domestic Joinery

D



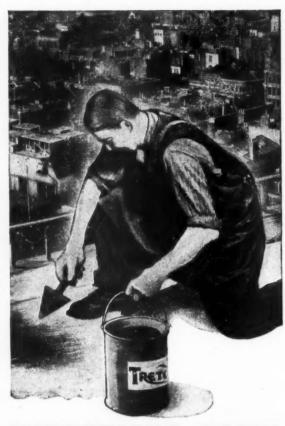
We feel it should be made widely known that the resources and prestige of two oldestablished Varnish and Enamel Manufacturers are behind the new name — "EFRIL." Some of the largest and most modern plant in the world produces EFRIL high-quality decorating finishes. Service is nation-wide. Distribution is limited to professional users *only*. Keep in touch with EFRIL !

THE EFRIL SALES ORGANISATION

 GLASGOW
 MANCHESTER
 BIRMINGHAM
 LONDON

 19 Cadogan St.
 79 Piccadilly
 214 Corporation St.
 46 Baker St.

The NEW BIG NAME IN DECORATING MATERIALS



TUNXIXIX X

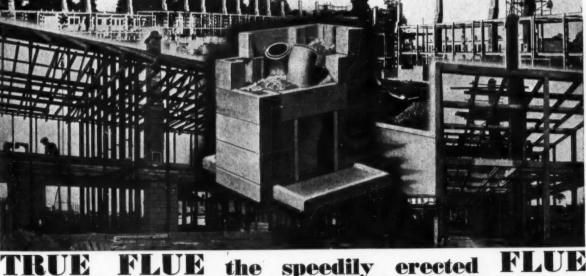
WATERTIGHT ROOFS the approved method

TRETOL WATERPROOFING PASTE a pure Bitumen mastic for application by trowel to cracks and joints. TRETOL FIBROUS COMPOUND—a heavily reinforced cold Bitumen compound—applied by brush. Will effectively waterproof badly-worn felted, asphalt, metal and concrete roofs.

Tretol Ltd., 12-14 North End Road, London, N.W.11 Tel.: SPEedwell 4621 (5 lines)







These photographs show a few of the building estates using the TRUE-FLUE system, which is a patented method of constructing domestic flues of correct design with the minimum of labour.

The chimney breasts may be constructed with the original form of concrete block which can be speedily erected independently of the remainder of the building structure; alternatively our system may be incorporated in the usual brick construction. The Lintel and "gather-over" immediately above the fireplace are designed as one streamlined unit which eliminates the usual reinforced lintel or arch and ensures a trouble-free flue. This unit can be used with obvious advantages with any type of construction.

For full details write for our descriptive booklet

TRUE FLUE LTD., CONVECTOR HOUSE, ACACLA ROAD, ST. JOHN'S WOOD, N.W. 8.



Emblem of Quality



ARMOUR BRAND

for

Protection

Durability

and Finish

Griffiths Bros. & Co

London Limited

PAINT, ENAMEL & VARNISH SPECIALISTS MACKS ROAD, BERMONDSEY, SE16 TEL. BERMONDSEY 1151 THE ARCHITECTS' JOURNAL for December 11, 1947





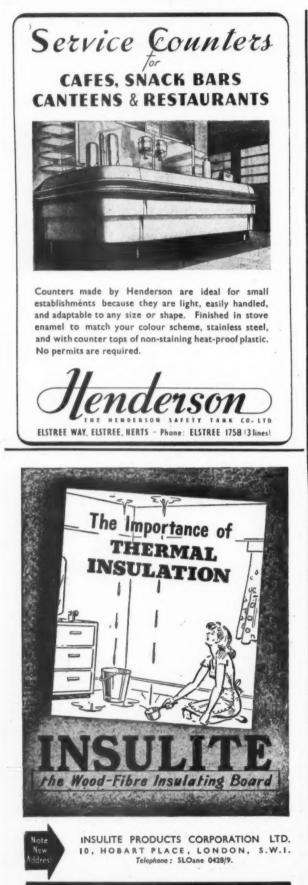
"Insulation may save more than half the fuel required to heat an uninsulated building." This is a Government statement emphasising the need for structural insulation.

Wood Wool slabs possess exceptionally high insulating properties. In addition they have a wide range of uses as a building material: for permanent shuttering in concrete construction. for free-standing and stud partitions, etc. They are fire-resistant, rot-proof and vermin-proof and will take any suitable surfacing, plaster, rendering or bitumen.

Enquiries should be addressed to the members of the Wood Wool Building Slab Manufacturers' Association whose trade names and addresses are given below.

GYPKLITH	•	•	Gyproc Products Ltd., Westfield, Upper Singlewell Road, Gravesend. Telephone : Gravesend 4251.
MARLITH.	•	•	The Marley Tile Co., Ltd., London Rd., Riverhead, Sevenoaks, Kent. Telephone: Sevenoaks 2251.
THERMACO	US	T	The Cementation Co., Ltd., Thermacoust Dept., 39, Victoria Street, S.W.1, Telephone: Abbey 5726.
LITHALUN	•	•	Lithalun Products Ltd., Pontalun, Bridgend, Glam. Telephone: Bridgend 21 3 .
SUPALITH	•	•	Supalith Ltd., Alpha Works, Havelock Rd., Southall, Middx. Telephone: Southall 2821

xli



<text><image><text><text>

"A. B. S."

HOUSE PURCHASE LOANS

ALTERNATIVE SCHEMES

I. Normal advance 80% of Valuation. Interest 4% gross. (Borrower pays Survey Fee and Legal Costs totalling $l\frac{1}{2}$ % of Loan.)

2. Normal Advance 85% of Valuation. Interest $4\frac{1}{2}$ % gross. (Office pays Survey Fee and Own Legal Charges.)

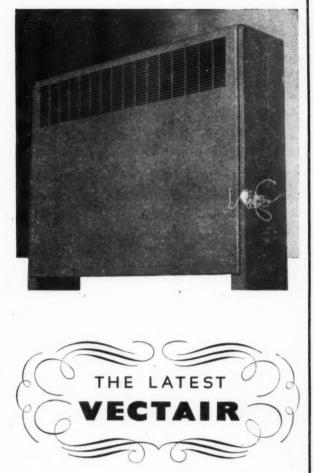
REPAYMENT by means of an Endowment Assurance term not exceeding 25 years under (1) or 30 years under (2).

Particulars from :---

The Secretary, A.B.S. INSURANCE DEPARTMENT 66, Portland Place, London, W.I. Tel: WELbeck 5721.

157-14

xlii



Gracefully proportioned yet unobtrusive, the latest Vectair carries out its function of space heating efficiently. The unique heating element with the exclusive Trane non-ferrous continuous fin, guarantees maximum heat output. Available in the model illustrated, which is the Floor type, and also in a Wall type or as a recessed model.

1

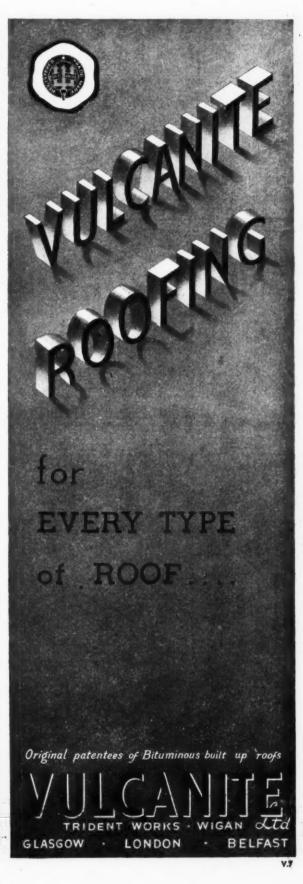
•

t

ŝ

BRITISH TRANE CO. LTD

VECTAIR HOUSE+52 CLERKENWELL CLOSE+LONDON+E-C-I Telephone: Clerkenweil 6864 & 3826 Teleprams: Enartrane Smith London





xliv

The MODERN METHOD of SEALING WINDOW FRAMES

FOR sealing wood and metal window frames Secomastic possesses many advantages over traditional jointing compounds, the most important of which are permanent elasticity and tenacious adhesion to all building materials. Secomastic offers complete resistance to heat, cold, moisture, acidity or alkalinity.

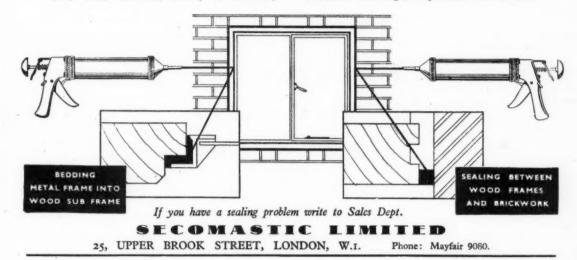
on,

KS

don V.19 4 46

K

Secomastic will not slump in a vertical joint or seep into and stain porous materials. It is easily applied with great speed and precision by Seco hand or air-operated gun, and can be painted any colour within 24 hours of application. Joints sealed with Secomastic permanently withstand shrinkage, expansion and shock.



There are TWO TYPES of RAWLBOLTS

For heavy plant or equipment, which can only be levered or dragged into position, the Loose Bolt type is best. The shield is inserted into the hole and is flush with the surface; therefore, it does not hinder the movement of the plant or equipment to be fixed.

The Bolt Projecting type is ideal for walls where the projecting bolt acts as a rest for the equipment until the nut is tightened on.

Grouting is not required. The hole is bored with a Rawlplug Stardrill and the Rawlbolt obtains a vice-like grip by the expansion of the metal shields against the sides of the hole.

Sizes of Rawlbolts range from $\frac{1}{4}$ " x 2" to 1" x 12" and there is a correct hole boring tool for every size. It is only necessary to give the same reference as for the Rawlbolt to get the right tool.

Ask for Free Rawlbolt Reference Chart which illustrates all the actual sizes of both types of Rawlbolts.



THE RAWLPLUG COMPANY LTD., CROMWELL ROAD, LONDON, S.W.7



Plimber is an entirely new wood fibre material, bonded with plastics, developed after long research. More than a facing sheet, it is a semiconstructional material with a hundred uses.

Possessing excellent thermal and sound insulating properties, Plimber can be sawn, drilled, screwed, nailed and fabricated like timber. Many attractive finishes can be applied. Paint and distemper may be brushed and sprayed without flaking and it is also an excellent core for veneering.

PLIMBERWOOD, the medium density board, is now in mass production and available in four sizes (8' 6" x 4' 0", 7' 0" x 3' 0", 4' 6" x 4' 0" and 4' 0" x 4' 0") and six thicknesses $(\frac{5}{6}^{*}, \frac{3}{4}^{*}, \frac{7}{6}^{*}, 1^{*}, 1\frac{1}{4}^{*})$ and $1\frac{1}{4}^{*}$).

and an interfacesses (§, Ţ, §, Ţ, §, Ţ, I, J and IŢ).
WHOLESALE DISTRIBUTORS: Alvin Marris, Ltd., Black Bull Street Saw Mills, Leeds, 10. C. F. Anderson & Son, Ltd., Harris Wharf, Graham Street, London, N.I. John Bland & Co. Ltd., East Moors, Cardiff. C. V. Creffiel J & Co. Ltd., Leyborne House, Leyborne Avenue, Northfields Avenue, London, W.I.S. Gobriel, Wade & English Ltd., Aldwych House, Aldwych, London, W.C.2. Graham & Wyle Ltd., Greenhead Sawmills, Mill Street, Clasgow S.E. Morsley Smith & Co. (London), Ltd. Cannon Wharf, Evelyn Street, London, N.S.E. Horsley Smith & Co. Ltd., Horsley Smith & Co. (West & North), Ltd., Poplar, Farm, Bamber Bridge, Preston, W.W. Howard Bros, & Co. Ltd., 4 Stanhope Street, Euton Road, London, N.W.I. Jewson & Sons, Ltd., Colegate, Norwich. Jewsons Ltd., Greet Western Docks, Plymouth. Mallinson & Eckersley Ltd., Worsley St., 245 Crownpoint Road, Glasgow, S.E.

BRITISH PLIMBER LTD., 90 REGENT ST., LONDON, W.1 . REGENT 5765



ARCHITECTS: McInnes Gardner & Partners

You are invited to write for this

PLIMBER BOOKLET

which gives full information and

retail prices. Obtainable from : Dept. (D), British Plimber Ltd. 90 Regent Street, London. W.1,

any

of the distributors listed here.

The Decoration and Furnishing of the First Class Dining Saloon of the **R.M.S. MAURETANIA** CUNARD WHITE STAR LTD was carried out by

WARING & GILLOW

Ltd. London, Lancaster & Brussels

BUILT BY Cammell Laird & Co. Ltd. Birkenhead

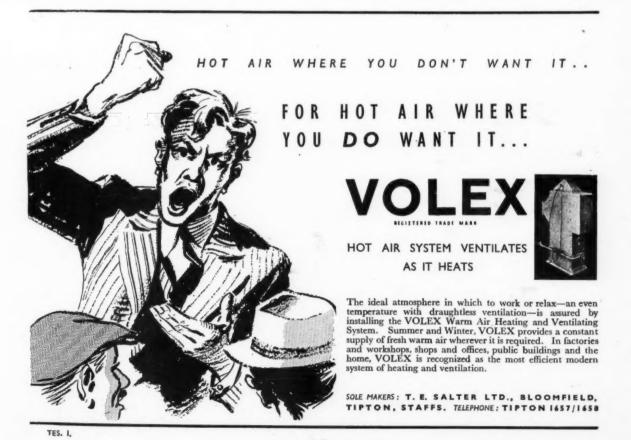


BROMSGROVE GUILD L

ARCHITECTURAL METALWORKERS

BROMSGROVE

WORCESTERSHIRE



CLASSIFIED ADVERTISEMENTS

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

paper. Replies to Boz Numbers should be addressed care of "The Architects' Journal," at the address

Replies to box runners should at the address given above. None of the vacancies in these columns relates to a man between the age of 18 and 50, incusive, or a woman between the age of 18 and 40, inclusive, unless he or she is excepted from the provisions of the Control of Engagement Order, 1947, or the vacancy is for employment excepted from the provisions of that Order.

Public and Official Announcements 6 lines or under, 10s.; each additional line, 1a. 6d.

THE INCORFORATED ASSOCIATION OF ABCHITECTS AND SURVIVORS maintains a registor of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. Applexes: 75, Extron PLACS, LONDON, S.W.1. TEL. SLOAME 5615. 991

LONDON COUNTY COUNCIL. COUNTY OF LONDON PLAN-VACANCIES FOR PLANNING STAFF. Applications are invited for positions in the following grades --PLANNING OFFICER, Grade III, up te 2760

PLANNING OFFICER, disaster, a year. TECHNICAL ASSISTANT, up to £580 a year. Commencing rate according to qualifications and experience. Opportunities for competing for permanent appointment and promotion. Successful candidates will be superannable. The planning work involved includes assistance in the detailed development of Reconstruction Area schemes and the preparation of revised contact plans.

Area schemes and the preparation of revised soning plans. A knowledge of current town planning legisla-tion is desirable in all cases, and candidates for Grade III positions should possess architectural, surveying or town planning qualifications. Application forms obtainable from Architect to the Council, County Hall, S.B.1 (enclose stamped addressed envelope), returnable not later than 10 days from this date. Canvassing disqualifies. (1680) 535

Tenn 10 days from this date. Canvassing disqualifies. (1660) 33

 Canvassing disqualifies. (1660)
 State

 NORTH RIDING OF YORKSHIRE COUNTY COUNTY ARCHITECT'S DEPARTMENT.

 Applications are invited for the appointment of PRINCIPAL ASSISTANT ARCHITECT.

 A.P.T. Division, Grade VIII, of the National Scales (£625-£700), plus cost-of-living bonus (at present £59 165, per annum).

 Applicants must be Members of the Royal Insti-tine of British Architects, qualified by examina-tion, and must have had experience in the control of staff. organisation of work, and in the design and construction of Police and other general county buildings.

 Monthment terminable by two calendar months' notice on either side, and subject 1937, and a satistactory medical examination. Applica-tions, staffactory medical or an to being issued, but if further information is required it may be obtained from J. Catchpole, A.R.L.B.A., County Architect, County Hall, Northallerion. Applica-tions, staffa are qualifications and experience. together with particulars of present and previous appointments, and the names and addresses of inverse to whom reference can be made, must be delivered to the undersigned not later. Canvas dusting using undersigned not later.

 Canvassing will disqualify, and a candidate who inder, the Council must disclose the fact in his application.

 HUBERT G. THORNLEY. Clerk of the CUMEN Council.

HUBERT G. THORNLEY, Clerk of the County Council. County Hall, Northallerton. 21st November, 1947. 550

 21st November, 1947.
 550

 CORPORATION OF LONDON.

 APPOINTMENT OF ARCHITECTURAL

 ASSISTANCE

 APPOINTMENT OF ARCHITECTURAL

 ASSISTANCE

 Applications are invited for the above appointments at a Salignance

 Applications are invited for the above appointment, at a salignance

 Applications are invited for the above appointment, at a salignance

 Applications are invited for the above appointment, at a salignance

 Applications are invited for the above appointment, at a salignance

 Applications are invited for the above appointment, at a salignance

 Applications are invited for the above appointment, at a salignance

 Applications are invited as Architects, with good practical experience in design and construction and examination.

 The appointments are for the present on a temporary basis, and in the event of testablish examination.

 The appointments will be subject to the permanent staff, temporary service will come for the propose of the Corporation's Superannuation genemic to one month's notice on either side.

 Applications, endored "Technolas Staff.'' to be made to George Holliday. Fh.R.I.C.S.C.S.T.''s barry or, 55-61. Moorgale, E.C.2. giving the following particulars: Age.'' training and experience, past and present appointments, service with Armed Forces, and dat

EAST SUFFOLK COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT. Applications are invited for the following appointments, in the County Planning Officer's Department :-epartment

Applications are invited for the following appointments, in the County Planning Officer's Departments, in the County Planning Officer's (a) ASSISTANT PLANNING OFFICER. A.P.T., Grade VI (salary £535-£660), plus cost-of-living bonus. (b) TWO SENIOR PLANNING ASSISTANTS. A.P.T., Grade VI (salary £640-£510), plus cost-of-primarily on reconstruction schemes, and be re-quired to reside in the Lowestoft district, the other will assist in the preparation of develop-ment plans at Headquarters. The commencing salary in each case will be fixed having regard to the qualifications and ex-perience of a successful candidate. Applicants for the appointments should be either Members or Associate Members of the Town Planning Institute, and preference will be given to those possessing qualifications in engineering, surveying or architecture, and they will be pre-quired to maintain a motor car, for which they will be paid allowances according to the Coancil's cale, which at present prevides for an annual payment of £50, plus 23d. a mile. The Coancil's cases. The appointments will be in accordances with the National Conditions of Service, will be subject to the Local Government Superannuation Act, 1937, and will be determinable by one month's notice on either side. Applications, endorsed with the designation of the appointment desired, stating age. experience, qualifications, present and past appointments, and giving names and addresses of two referees, to be delivered to the undersigned not later than the inst post Friday morning, the 19th December 1947. Clerk of the Const County Council. County Hall, Ipswich. 562

CITY OF CANTERBURY. ARCHITECTURAL ASSISTANT. Applications are invited for the appointment of Temporary Architectural Assistant, in the City Architect's Department. Salary, A.P.T. Division, Grade I, £330-£375, plus cost-of-living bonus, at present £59 15s. per annum.

cost of living bonus, at present 259 108. per annum. Preference will be given to candidates who have passed examinations for membership of the Royal Institute of British Architects. The successful candidate will be required to pass a medical examination. Applications, endorsed "Architectural Assis-tant." stating age, particulars of experience and qualifications, and with not more than three copies of recent testimonials. should be received by L. Hugh Wilson, A.R.I.B.A., A.M.T.P.I., and later than Monday. 29th December. 1947. J. BOYLE. Town Clerk.

580

Municipal Buildings, Canterbury. 3rd December, 1947.

BOROUGH OF SOUTHGATE. BOROUGH OF SOUTHGATE. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT. APPOINTMENT OF ARCHITECTURAL ASSISTANT. Applications are invited for the appointment of an Architectural Assistant, on the Established Staff of the Borough Engineer and Surveyor, at a salary in accordance with Grade V in the A.P.T. Division of the scales of salaries recommended by the National Joint Council, i.e., 2460-2510 per annum, plus £20 London area "weighting." In addition, a cost-of-living bonns (at present 259 16s. per annum) is payable. Applicants should be Associate Members of the Royal Institute of British Architects, or hold an equivalent qualification. Previous Municipal experience, particularly in housing, will be an advantage.

the Royal Institute of British Architects, or hold an equivalent qualification. Previous Municipal experience, particularly in housing, will be an advantage. Applicants must have had not less than twelve months' experience in Architectural Assistant's work, and must not be normally employed in agriculture or coal mining. The appointment will be subject to the pro-visions of the Local Government Superannation Act, 1937, and the successful applicant will be required to pass satisfactorily a medical examina-tion. The appointment will be terminable by one month's notice on either side. The appointment will be terminable by one month's notice on either side. Candidates who to their knowledge are related to a Member or Senio Officer of the Council must disclose the relationship in writing to the Town (Terk. Failure to do so will disqualify or render the candidate appointed liable to dismissal with out notice. Canvassing either directly or indirectly, will be a disqualification satirions, with dates and salaries; (6) particulars of experience, and accompanite by conied of the position, salary and date appointed: (6) previous nositions, with dates and salaries; (6) particulars of experience, and accompanite by conied of three conet testimonials, should he sent to Mr. J. T. W. Peat, F. R. B. A. Roragh Fincineer and Surveyor, Nuts in an envelope endorsed "Architectural Assistant," so as to reach him not later than Friday, 19th December. 1947. Mother Town Hall, Palmers Green, London, N.13. in a envelope endorsed "Architectural Assistant," so as to reach him not later than Friday, 19th December. 1947. Mother Town Hall Palmers Green, London, N.13. in a envelope endorsed "Architectural Assistant," so as to reach him not later than Friday, 19th December. 1947. Mother Town Hall Palmers Green, 1947. Mother Mall Palmers Green, 1947. Southgate Town Hall Palmers Green, 1957. Southgate Town Hall Palmers Gree

Southgate Town Hall Palmers Green, London, N.13. 593

BOROUGH OF CHELMSFORD. ENGINEER AND SURVEYOR'S DEPART-MENT. Applications are invited for the following per-manent appointments, within the scale stated, plus cost-of-living bonus, at present £59 16s. (a) QUANTITY SURVEYOR, Grade V, salary

A

b

plus cost-of-living bonus, at present £59 16s. (a) QUANTITY SURVEYOR, Grade V, salary 2460-2510. (b) ARCHITECTURAL ASSISTANT, Grade IV (special maximum £480), salary £420-£480. Applicants must have the recognised qualifica-tions and experience for the various appoint-ments, which are subject to the provisions and conditions of service of the National Joint Council for Local Authorities' Administrative. Professional, Technical and Clerical Services, and will be terminable by one month's notice on either side.

 Processor
 Applicationa, stating age. qualifications, present and previous appointments and general experience, together with copies of three recent testimonials, should be forwarded to reach the undersigned by not later than Tuesday, 23rd December, 1947. Canvassing in any form will disqualify. VINCENT J. WILLIS, M.I.Mun.E., Borough Engineer, Surreyor and Architect.

 Municipal Offices, Chelmsford.
 4th December, 1947.

 SUBREY COUNTY COUNCIL
 591

4th December, 1947. 591 SURREY COUNTY COUNCIL COUNTY ARCHITECT'S DEPARTMENT. Applications are invited for the following apointments:-ASSISTANF ARCHITECT, Grade VI. Commencing salary £535, rising by annual increments of £20/£25 to a maximum of £600. plus bonus, at present at the rate of £59 16s, per annum. and London allowance of £20. Applicants must be Associate Members of the Royal Institute of British Architects, and should have had a good training and an adequate ex-perience in the design and construction of modern buildings.

perience in the design and applications should be huildings. It is desirable that applications should be accompanied by a small example of the appli-

accompanied by a small example of the appli-cant's work. ARCHITECTURAL ASSISTANT, Grade I. Commencing salary £330, rising by annual increments of £15 to £375 per annum, plus bonus, at present at the rate of £59 16s. per annum. Applicants should be of good general training and experience.

Applicants should be of good general training Applicants should be of good general training and experience. Applications, stating age, qualifications and ex-perience, and accompanied by copies of three recent testimonials. should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 31st December. 1947. The appointment will be subject to the pro-visions of the Local Government Act. 1937, and the successful applicant will be required to pass a medical examination. Canvassing, either directly or indirectly, will disqualify a candidate from consideration. DUDLEY AUKLAND. Clerk of the Council. County Hall, Kingston-upon-Thames. 592 LEICESTERSHIBE COUNTY COUNCIL.

County Hall, Kingston-upon-Thames. 592 IEICESTERSHIFE COUNTY COUNCIL. EDUCATION ARCHITECT'S DEPARTMENT. Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, salary in accordance with Grade V of the National Scale. USA ARCHITECTURAL ASSISTANT, salary in accordance with Grade V of the National Scale. Scale & Members of the Royal Institute of British Architects. The appointment is subject to the provisions of the Local Government Super-annuation Act, 1937. The successful candidate will be required to pass a medical examination. Applications, stating age, qualifications, experi-ence, the names of two persons to whom refer-cance and be addressed to the Director of Education, County Offices. Grey Friars. Leicestor, not later than Wednesday, the 31st December, 1947. Canvassing. either directly or indirectly, will be a disqualification. Citex of the Council. Source Assistant Architect, at a salary in assistant Architect, at a salary in accordance with Grade V of the A.P.T. Division of the National Scales of Salarise (2460. rising to find an annual increments), plus London weighting allowance, according to the scale, and containes should be members of the Royal Canditions are invited for the permaneut position of Assistant Architet, at a salary in accordance with Grade V of the A.P.T. Division of the National Scales of Salarise (2460. rising to file by annual increments), plus London weighting allowance, according to the scale, and annum.

Weighting anowance, at present £59 198. 3d. per cost-of-living bonus, at present £59 198. 3d. per anum. Candidates should be members of the Royal Institute of British Architects. Experience in the preparation of Town Planning and recon-struction schemes will be an advantage. The appointment will be subject to the Local Government Superannuation Act. 1937. to the Vational Joint Council's Conditions of Service, to the successful candidate passing a medical ex-amination, and to termination by one month's notice on either side. Applications, stating age, qualifications and ex-perience, accompanied by copies of three recent testimonials. must reach the undersigned. endorsed 'Assistant Architect.'' not later than Wednesday, 24th December, 1947. Capvassing in any form will be deemed a dis-relationship to any member of the Council or holder of any senior office under the Council. G. A. BLAKELEY. Town Hall, Walthamstow, E.17. 50

BOROUGH OF SWINDON. BOROUGH ARCHITECT'S DEPARTMENT. APPOINTMENT OF QUANTITY SURVEYOR. Applications are invited for the appointment of a Quantity Surveyor, in the Borough Architect's Department, at a salary in accordance with Grade VI of the National Scales, £535 to £600, plus such cost-of-living bonus as may from time to time be paid by the Corporation (at present £59 16s.

A point of the Automatic States, Los to Loca, plus such cost-of-living bonus as may from time to time be paid by the Corporation (at present 259 16s. per annum). Applicants, who should have passed the final examination of the Royal Institute of Chartered Surveyors (Quantities Section), must be experi-enced in all branches of the work as applied to Local Authorities, and competent to prepare Estimates, Bills of Quantities, Specifications, etc., and to measure up for and prepare interim and final accounts. Applicants should also have had experience in the preparation of valuations, schedules of dilapi-cations, estimates, and the control of the work of construction and maintenance carried out by direct labour. A knowledge of building licensing procedure as it affects Local Authorities is essential.

cedure ntial.

essential. Forms of application may be obtained from the undersigned, and applications must be delivered to me not later than 23rd December, 1947. Canvassing in any form will be deemed a dis-qualification.

D. MURRAY JOHN, Town Clerk.

593

579

578

December, 1947.

Civic Offices, Swindon. 2nd December, 1947.

Closing date for the receipt of applications will be Monday, 29th December, 1947. 582

COUNTY BOROUGH OF BURNLEY. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT. Applications are invited for the appointment of ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade II of the National Scales, viz., 2360 to £405, plus bonus, at present £59 16s.

Applicants should have had good general train-ng and experience, and preference will be given to candidates having passed the Intermediate examination of the Royal Institute of British Architects.

Architects, of service are those formulated by Architects, of service are those formulated by the National Joint Council, and the appointment is on the established staff and subject to the provisions of the Local Government Superannua-tion Act, 1937. The successful applicant will be required to pass a medical examination. Forms of application may be obtained from the Borough Engineer and Surveyor. Town Hall, Burnley, to whom applications should be returned in the envelope provided, not later than noon on Monday, the 29th December. 1947. C. V. THORNLEY, Town Hall, Burnley.

Town Hall, Burnley. 1st December, 1947.

1

1

<text><text><text><text><text><text><text><text><text><text><text><text>

Town Hall. Hackney. E.8. 20th November, 1947.

COUNTY OF CORNWALL. APPOINTMENT OF PLANNING STAFF. Applications are invited for the under-mentioned appointments, in the County Planning Department of the above-named Authority :--(4) AREA PLANNING OFFICER, for the Central Area, with office at Truro. Salary on the grade E750×£50-£50. The person appointed will be expected to provide a motor car for neces-sary travelling, for which a mileage allowance will be paid. (b) ASSISTANT PLANNING OFFICER (ARCHITECT), for the Headquarters Office at Trury, Salary on Grade VII of the A.P.T. Division (£575×£55-£56). The person appointed will be expected to provide a motor car for neces-sary travelling, for which a mileage allowance will be paid. (c) ASSISTANT AREA OFFICER, for the Central Area, with office at Truro. Salary on Grade VI of the A.P.T. Division (£535×£20-£600). The person appointed will be expected to provide a motor car for necessary travelling, for which a mileage allowance will be paid. (d) FIVE PLANNING ASSISTANTS, three for the Central Area, with office at Truro, and two for the East Area, with nedquarters at Liskeard. Salary on Grade IV of the A.P.T. Division (£420× 215-2450). (e) DRAUGHTSMAN, in the office of the County Planning Officer at Truro. Salary on Grades II and III of the A.P.T. Division (£230× 215-35). Cost-of-living bonus, at present at the rate of feas 16a a wage for mene the for the form

Terminant of the second second

Council. Applications, together with the names of three persons to whom reference may be made, should be addressed to the County Planning Officer, County Hall, Truro, not later than 31st December, 1947. No application forms are issued.

E. T. VERGER, Clerk of the County Council. County Hall, Truro. 4th December, 1947. 599

CITY OF WAKEFIELD. CITY ENGINEER'S DEPARTMENT.

(a) QUANTITY SURVEYOR (Grade V). (b) ARCHITECTURAL ASSISTANT (Grade

(b) ARCHITECTURAL ASSISTANT (Grade III). Applications are invited for the above appoint-ments, on the staff of the City Engineer. Applicantis for appointment (a) should be quali-fied Quantity Surveyors, and (b) appointment (b) should be Students of the R.I.B.A., and prefer-ably Associates. The appointments will be subject to the pro-vision of the Local Government Superannuation Act, 1937, and to the successful applicants passing a medical examination. Canvassing will disguality, and applicants must state in writing whether they are related to any member or senior officer of the Corporation. Applications, stating age, experience, qualifica-tions, present appointment, together with copies of two testimonials, should be received by the undersigned not later than Saturday, the 3rd January, 1948. W. S. DES FORGES,

xlix

W. S. DES FORGES, Town Clerk

TECTS' JOURNAL for December 11, 1947 MONMOUTHSHIRE COUNTY COUNCIL. Applications are invited for the following post. The county Architect's Department:— PERMAENT PRINCIPAL ARCHITEC-Topological and Technical Division of the National Joint Council's Scheme, viz., 6625 per annum, and construction, particularly in relation to schools, public buildings, police stations, etc. Joint Council's Scheme, viz., 6625 per annum, and construction, particularly in relation to schools, public buildings, police stations, etc. Joint Council's Scheme, viz., 6625 per annum, the appointment will be subject to the Local fore Regulations of the Council in force from the to time governing their Administrative, Fechnical and Clerical Staff. The successful be a disqualification, and applicants material visiclose in writing any relationship within their visiclose in writing any relationship within their police of any senior office under the Authority or to a holder of any senior office under the Authority or to and the disqualification, and conditions of service, and the diverse of the Counce in Jones, the moniet must be deviewed to the Counce in Jones, the RLBA, County Architect, Queen's Hill be an inverting any relationship within their moniet must be deviewed to the Counce in Jones, the Beat and Cleivered to the Counce in Jones, the Beat and Cleivered to the Counce in Jones, the Beat and Cleivered to the Counce in Jones, the Beat and Cleivered to the Counce in Jones, the Beat and Cleivered to the Counce in Jones, the Beat and Cleivered to the Counce in Jones, the Beat and Cleivered to the Counce in Jones, the Beat and Cleivered to the Counce in Jones, the Beat and Cleivered to

VERNON LAWRENCE, Clerk of the Council. County Hall, Newport, Mon.

BOROUGH OF WALTHAMSTOW. BOROUGH ARCHITECT'S DEPARTMENT. ASSISTANT ARCHITECT. Applications are invited for the permanent posi-tion of Assistant Architect, at a salary in accord-ance with Grade III of the National Scales of Salary (£390, rising to £435 by annual incre-ments), plus London weighting allowance, accord-ing to the scale, and cost-of-living bonus, at present £59 19s. 3d. per annum. Applicants must have had experience in the preparation of working and detail drawings for housing schemes.

Applicants must nave had the analytic preparation of working and detail drawings for nousing schemes. The appointment will be subject to the Local Government Superannuation Act, 137, to the formal schemest successful candidate passing a medical examination, and to termination by one month's notice on either side. Applications, stating age, qualifications and experience, accompanied by names and addresses of three referees to whom reference may be made, must reach the undersigned, endorsed "Assistant Architect," not later than Wednesday, the 24th December, 1947. Canvassing in any form will be deemed a disqualification, and applicants must disclose any relationship to any member of the Council or holder of any senior office under the Council. G. A. BLAKELEY, Town Clerk.

Town Hall, Walthamstow, E.17. 5th December, 1947. 600

COUNTY OF RENFREW. EDUCATION COMMITTEE. Applications are invited for the post of ARCHITECTURAL ASSISTANT. in the Master of Works' Department, at a salary in accordance with the J.C. Scale, A.P.T. Division, II/III, vis... £360.£435, plus current war bonus. The above appointment is superannusble, and applicants will require to pass a medical examina-tion.

Applications, stating date of birth, details of professional qualifications, experience (with par-ticular reference to schools), and copies of recent testimonials, should be addressed to the under-signed not later than 16th December, 1947. Applicants should also state when they will be available to take up duty. ROBERT URQUHART. County Clerk.

County C Education Offices, 16, Glasgow Road, Paisley. 2nd December, 1947. 595

Partnerships and Financial

6 lines or under, 10s.; each additional line, 1s. 6d.

DOCTOR wishes to invest substantial capital for prompt purchase, at a good price, of Property; in principal trading positions and freehold ground rents. Offers in est confidence to Box 570. Shop only, stricter

Architectural Appointments Vacant

4 lines or under, 5s.; each additional line, 1s. 5d.

A RCHITECTURAL ASSISTANT required immediately in London office; must be good draughtsman of intermediate standard; some experience of industrial buildings an advantage. Box 963.

INTERNATIONAL CORRESPONDENCE SCHOOLS require, for immediate full-time employment, an ARCHITECT (Male), A.B.L.B.A. Also a JUNIOR ARCHITECTURAL ASSIS-TANT, qualified by examination. Write or 'phone, stating age, experience, and salary required, to Director of Instruction, International Correspondence Schools, Kingsway, W.C.2. 525

DRAUGHTSMAN and Setter Out required by London Firm of Specialists; familiar with detailing and preparing working drawings for all types of pre-cast concrete units (not constructional), Tiling, Laboratoury Partitions, Fireplaces, etc., from site measurements, Architects' Drawings and Sketches, and capable of ordering and securing materials, watching progress, and rendering general assistance to the Department. Write Box 999, Allardyce Palmer, Ltd., 109, Kingsway, W.C.2.

A PPLICATIONS are invited for SENIOR ASSISTANT ARCHITECT. in London Architect's department; commercial aud industrial work; salary 2550 to £600, according to capabilities; qualified applicants preforred; replies should state training, experience and positions held; permanent appointment; contributory pension scheme after period of satisfactory service. Box 559.

LONDON PASSENGER TRANSPORT appointments on the temporary staff of the Architect as follows: Assistant Architects, Architectural Assistants, Structural Engineering Designers; commencing salary from 2300 to £600 per annum, according to ability, qualifications and experience. Applications, which should give a brief outline of training and experience, to be sent to the Staff Officer, ERL/E451, London Passenger Transport Board, 55, Broadway, S.W.1. 923

TWO JUNIOB ASSISTANTS required for busy West End Architects' office; salary according to ability. Box 588.

ARCHITECT'S ASSISTANT required in Midland's office; must be quick and accurate draughtsman, with experience in Industrial Buildings. Reply, with full particulars, salary required, etc., to Box 594.

A RCHITECTURAL DRAUGHTSMAN required for West Indies; capable of preparing all working drawings and details for houses and flats; salary. £500-£600, free of tax, according to experience. Box 595.



A N energetic Final R.I.B.A.-appeared Indian Student, with 7 months' practical experience in a local architect's office, besides 2 years' practical experience in India, seeks an appointment in Central London in a Town Planner's Office. Write Box 5.

A RCHITECTURAL ASSISTANT (29) requires position; 12 years' experience domestic and industrial work; neat draughtsman, working drawings and details, surveying, levelling, and supervision of work on site; studying for R.I.B.A. Special Final; Southamplon or Bournemouth districts preferred. Box 4.

VOUNG ARCHITECT (31), awaiting election Associate R.I.B.A., over 6 years' experience, seeks appointment in private office within 20 miles radius East Grinstead. Box 7.

A RCHITECT, chartered, graduate of Liverpool, 18 months' practical experience in all classes of work, chiefly schools, requires position in or about Liverpool as Assistant; salary £500. Box 6.

KEEN Prob. R.I.B.A. (ex-Service) seeks position as JUNIOR ASSISTANT, in Birmingham area; small salary accepted; Inter. 1948. Write Jacob, "Elmhurst," Venns Lane, Hereford.

Other Appointments Vacant

4 lines or under, 5s.; each additional line, 1s. 6d.

EXHIBITIONS DRAUGHTSMAN (Senior), with architectural training; experienced in design and construction of displays. Send full particulars to Warnett Kennedy & Associates, 11, Bentinck Street, London, W.1.

LONDON PUBLISHING HOUSE desires to contact Writer fully conversant with Interior Decorating to write small elementary book on Decorating-Write Box B65, Willing's, 362, Grays Inn Road, London, W.C.1. 584

A SSISTANT ESTIMATOR, well experienced in estimating of all classes of Joinery Work: required by Sharp Bros. & Knight, Ltd., of Burton-on-Trent. Reply, in confidence, giving age, experience, and salary required, to Mr. S. R. Sharp, Dove Cliff, Stretton, Burton-on-Trent. 585

COMPETENT JUNIOR SHORTHAND Office; small staff and interesting work. Reply, stating experience, age, and salary required, to Edward Armstrong, F.R.I.B.A., 19, Manehester Square, W.I. 581 WANTED. — SECRETARY / SHORTHAND-TYPIST for Staff Architect to large London Company; salary £310 p.a. Reply, giving experience and appointments held, to Box 559.

Services Offered

4 lines or under, 2s. 6d.; each additional line, 1s.

OFFICER, ex-Serviceman (Polish Army), electrical technician, seeks unpaid practice in an Electrical Engineering Office or Electrical Production Firm. Write Box 590.

Miscellaneous

4 lines or under, 5s.; each additional line, 1s. 6d.

A. J. BINNS, LTD., Specialists in the supply and fixing of all types of fencing, gnarc rail, factory partitions and gates Harvest Works 9-107, St. Pauls Road, N.L. Canonbury 2061.

NEWER HEAT DISPLAY, Building Centre Conduit Street, W.1. New solid-fuel ap pliances. New heating methods. New standaro of home comfort. Open 10-5. Organised by the Coal Utilisation Joint Council. 73

N^O MORE DAMP WALLS, etc., if you use "STET," the foolproof Decorative Waterproofer, as used extensively by the Admiralty and other Government Departments; send for free leaflet. Devon Commercial Arts (Dept. 3), Barnstaple.

DUPLICATING.—Specifications, Bills of Quantities, etc., expertly typewritten or duplicated; moderate charges; recommended. Miss Stone, 109, Jermyn Street, S.W.1. Whitehall 9682. 557

PARQUET and other kinds of Wood Floors repaired, resurfaced and polished by latest machine method; new floors, including rubber flooring, supplied and laid; panelling restored; charges moderate, estimates free. Davis Parquet Resurfacing, Ltd., Grove Hall Court, London. N.W.8. 'Phone: CUNningham 3205/6. 600

PERSPECTIVES, Wash Drawings, Lettering.-For every kind of activity demanding the expert use of pencil, pen and brush. E. Laverty. 44, Aldershot Road, Guildford, Surrey. 944

FENCING FOR ALL PURPOSES.-Supplied and erected; established 100 years. Parker. Winder & Achurch, Ltd., 20, Broad Street. Birmingham, 1.





TELEPHONE: MAYEAIR 8641

JOINERY is made only by LICENSED PRODUCERS who undertake to conform to IMP Specifications & Standard of Quality

The BUILDING CENTRE CONDUIT STREET, LONDON, W.I

EXHIBITION

...a permanent and constantly changing Exhibition and free information service for all interested in building and its equipment Daily 10-5 ADMISSION FREE Saturday 10-1 PHO retenti be set graph; instead saving For ra apply Cheltee 4314.

AR



is of great follo

Buildi Buildi

Buildi Quant Struct Civil I

Spe of the LStru (E)

Writ in a

COI

KINC

By C

19, C

τ

1

_

" U

<

1

PHOTOGRAPHY CAN HELP EXPORTERS.— Photostatting of plans and drawings allows retention of originals, whilst exact copies can be sent all over the world; commercial photography enables the manufacturer to send prints instead of samples, thus effecting a considerable saving in output, materials and freight charges. For rapid service and high-quality reproduction, apply to S. P. Hamill, Ltd., 8, Landown Place. Cheltenham, Glos Tel.: Cheltenham 4040 and 4514. 992

0

8.

n

13 10 8.

8 p 10

ie r-y

t.

of

or d. 11

rs er i: et n.

d-E. y.

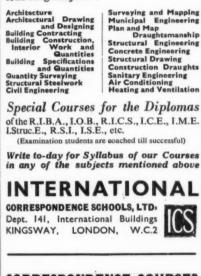
ed

er.

A RCHITECTS seek Office Accommodation, London; 750-1,000 sq. ft.; rent, purchase, or would share large suite. Box 586.

SOUND INSTRUCTION by Postal Method

is offered by the world's largest and greatest correspondence school in the following subjects :

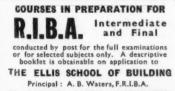


CORRESPONDENCE COURSES

for EXAMINATIONS OF THE TOWN PLANNING INSTITUTE AND JOINT EXAMINATION BOARD

By GORDON PAYNE, O.B.E., F.R.I.C.S., M.T.P.I., M.Inst.Mun.E., F.R.G.S.

19, CLARENCE STREET, GLOUCESTER Telephone : GLOS. 4471/2



13, ALBANY HOUSE, WORCESTER A London office is available for consultation by appointment.



THE ARCHITECTS' JOURNAL for December 11, 1947



li

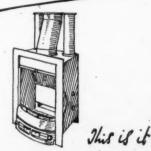
Alph	lanc	incar much to	nu	113613	
	PAGE		PAGE		PAGE
Accrington Brick & Tile Co. Ltd	E 18 (3 8)	Fullwood & Bland, R. J., Ltd.		Paragon Glazing Co., Ltd.	
Adams, Robert (Victor), Ltd	xlii	Gillett & Johnston, Ltd	1111	Park Foundry (Belper), Ltd.	
Aidas Electric, Ltd	v	Gray, J. W., & Son, Ltd.		Parnall, George, & Co., Ltd.	
Anderson Construction Co., Ltd.		Grierson, Ltd.	xix	Patchett & Co., Ltd.	xxii
Anderson, D., & Son, Ltd.		Griffiths Bros. & Co., Ltd.	xli	Payne, Gordon E.	11
Architects' Benevolent Society	xlii	Greenwood's & Airvac Ventilating Co.,	14	Philip Flooring Co., Ltd.	xxxiii
Associated Metal Works (Glasgow), Ltd.		Ltd.	ii iv	Pritchett & Gold & E.P.S. Co., Ltd	xii
Austin-Hall Group of Companies Bath Cabinet Makers & Artcraft, Ltd		Gyproc Products, Ltd	1.4	Prodorite, Ltd.	vhi
Belling & Co., Ltd.	xxvi	Hammill Brick Co., Ltd.	11	Rawlplug Co., Ltd.	Ixly
Birmid Rain-Water Goods		Harper, John, & Co., Ltd.		Renfrew Foundries, Ltd.	XXX
Blackburn, Thomas, & Sons, Ltd	xxvi	Harvey, G. A., & Co. (London), Ltd		Reparations & Steam Brush Co., Ltd	
Blundell, Spence & Co., Ltd.		Helliwell & Co., Ltd.		Sadd, John, & Sons, Ltd	xxiii
Bone, Connell & Co., Ltd.	xliv	Henderson Safety Tank Co., Ltd	. xlii	Salter, T. E., Ltd.	xlvii
Booth, James, & Co , Ltd.	xxiv	Holloway Brothers (London), Ltd		Sankey, J. H., & Sons, Ltd.	xxvii
Booth, John, & Sons (Bolton), Ltd		Holoplast, Ltd	allow remarks that	Scaffolding (Great Britain), Ltd.	
Boulton & Paul, Ltd.		Hope, Henry, & Sons, Ltd.	xliv	Sealocrete Products, Ltd.	xlv
Box, C. W. Boyle, Robert, & Son		Huntley & Sparks, Ltd Imperial Chemical Industries	xvi	Secomastic, Ltd	li
Braithwaite & Co., Engineers, Ltd.		Improved Designs, Ltd.	AVI	Shaffer, James, Ltd.	11
Briggs, William, & Sons, Ltd.	liii	Industrial Engineering, Ltd.	xxi	Sharman, R. W., Ltd.	li
Brightside Foundry & Engineering Co.,		Insulite Products Corporation, Ltd	xlii	Sharp Bros. & Knight, Ltd.	
Ltd.	XXV	International Correspondence Schools,		Simplex Electric Co., Ltd.	xxviii
British Gas Council		Ltd	11	Sissons, W. & G., Ltd	xliv
British National Electrics, Ltd		Jenkins, Robt., & Co., Ltd.	1 111	Spiral Tube & Components Co., Ltd	xliv
British Plimber, Ltd.	xlvi	Jenson & Nicholson, Ltd.		Sommerfeld, K. J. & A., Ltd.	xxxvi
British Steelwork Association, The	xliii	Johnston Bros. (Contractors), Ltd		Stamford Trading Co., Ltd.	
British Trane Co., Ltd.	xlvii	Key Engineering Co., Ltd		Sundeala Board Co., Ltd.	ix
Bromsgrove Guild, Ltd Building Centre, The	AIVII	King, G. W., Ltd. Laing, John, & Son, Ltd.	XX	Supremus Tile Co., Ltd	xxii
Camelon Iron Co	xxviii	Leaderflush, Ltd.		Thornborough & Son (Manchester), Ltd.	AAU
Carlisle Electric Manufacturing Co., Ltd		Lever, James, & Sons, Ltd.	1111	Timber Development Assoc.	
Cement Marketing Co., Ltd.		Limmer & Trinidad Lake Asphalte Co.,		Thompson, John, Beacon Windows, Ltd.	
Celotex, Ltd.	xi	Ltd.	xl	Thornton, A. G., Ltd	xliv
Clark & Eaton, James, Ltd.		Lloyd Boards, Ltd.	11	Thorp, John B.	11
Code Design, Ltd.		Lockerbie & Wilkinson (Tipton), Ltd	ii	Tretol, Ltd.	xxxviii
Colt, W. H. (London), Ltd.	iii	London Brick Co., Ltd.	xiv	Troughton & Young (Lightirg), Ltd	x
Crompton Parkinson, Ltd	xiii	London Sand Blast Decorative Glass		True-Flue, Ltd.	XXXXX
Davis, H. & C., & Co., Ltd Denny, Mott & Dickson, Ltd		Works, Ltd Lovell & Hanson, Ltd	xl	Tudor Accumulator Co., Ltd United Steel Companies, Ltd	
Dickinson, John, & Co. (Northern), Ltd.		Mallinson, William, & Son, Ltd	XXXIV	Vulcanite, Ltd.	xliii
Dunlop Rubber Co., Ltd.		McArd, Robert, & Co., Ltd.	vi	Walker, Crosweller & Co., Ltd.	Ann
Ellis School of Building	11	McCall & Co. (Sheffield), Ltd	xxxix	Walsall Conduits, Ltd.	
Ellison, George, Ltd.	11	McCarthy M., & Sons, Ltd.,		Wardle Engineering Co., Ltd., The	11
English Joinery Manufacturers' Assoc.	xxix, l	Metropolitan-Vickers Electric Co., Ltd.		Waring & Gillow, Ltd.	xlvi
Eril Sales Organisation	xxxviii	Midland Joinery Works, Ltd., The	1	Watts & Corry, Ltd.	li
Esavian, Ltd.	XXXV	Midland Woodworking Co., Ltd	xxxvii	Wellington Tube Works, Ltd	XV
Expandite, Ltd.	vii	Mills Scaffold Co., Ltd.	liv	West, A., & Partners, Ltd.	11
Federation of Coated Macadam Industries	lii	Ministry of Labour & National Service	18	Wheeler, F. H., & Co., Ltd.	ii
Flavel, Sidney, & Co., Ltd Flush Door Manufacturers' Assoc	xxxii	Moffatt, Whitehart & Co., Ltd Morris, Herbert, Ltd	11	Wright, Anderson & Co., Ltd Wood Wool Building Slab Manufac-	xviii
Foamed Slag Producers Federation	AAAB	Mumford Bailey & Preston, Ltd.	ii	urers' Association	xli
Freeman, Joseph, Sons & Co., Ltd.	 xvii 	Oak Veneer Co. Ltd	xliv	Youngman, W. C., Ltd.	All
a second a second					

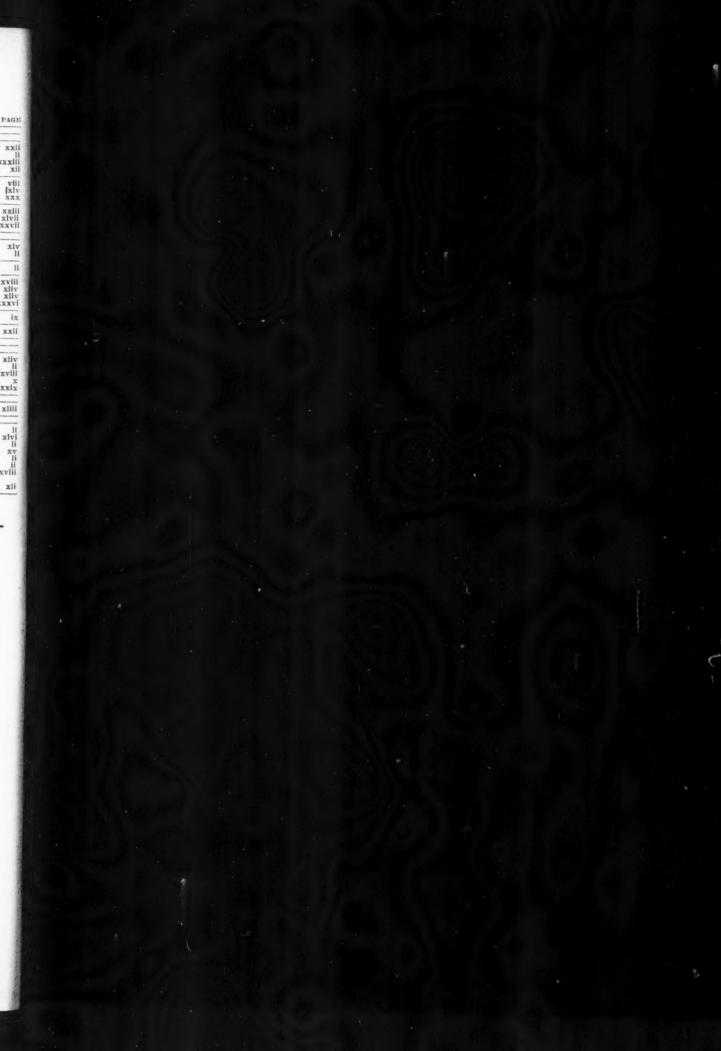
Alphabetical Index to Advertisers

For Appointments (Wanted or Vacant), Competitions Open, Drawings, Tracings, etc., Educational, Legal Notices, Miscellaneous Property, Land and Sales, xlviii, xlix, l and li.

Mr. architect-The metro' Boiler - Convector Unit is a self setting interior grate which provides an open fire, hot water, and convected worm air for background heating. It is made by Sidney Havel + bo. Ald. of Learnington Spa, who will gladly forward full details on request - ask for list CG. 38.

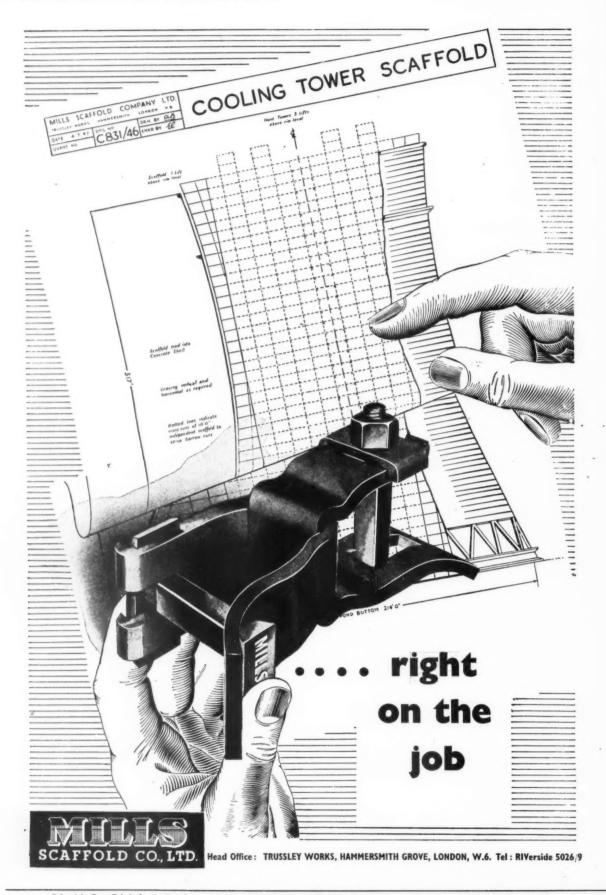
P.S. Drliveries are pretty good too.











Printed in Great Britain for the Proprietors of "THE ARCHITECTS' JOURNAL" (The Architectural Press, Ltd.), 9, 11 and 13, Queen Anne's Gate, Westminater, S.W.1, by HARRISON & SONS, LTD., Printers to His Majesty The King, London, Hayes (Middx.) and High Wycombe

