

THE ARCHITECTS' JOURNAL

FINE ARTS DEPT. STACK



standard contents

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

NEWS and COMMENT

Diary

News

Architects' Commonplace Book

Astragal's Notes and Topics

Letters

Societies and Institutions

TECHNICAL SECTION

Information Sheets

Information Centre

Current Technique

Questions and Answers

Prices

The Industry

PHYSICAL PLANNING SUPPLEMENT

CURRENT BUILDINGS

HOUSING STATISTICS

Architectural Appointments Wanted and Vacant

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

IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers. 1, Grosvenor Place, S.W.1.	Sloane 8606
IHVE	Institution of Heating and Ventilating Engineers. 75, Eaton Place, S.W.1.	Sloane 3158
IIBD	Incorporated Institute of British Decorators. Drayton House, Gordon Street, W.C.1.	Euston 2450 Museum 1783
ILA	Institute of Landscape Architects. 12, Gower Street, W.C.1.	Museum 1783
I of Arb.	Institute of Arbitrators, 35/37, Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071 Museum 7197
IJOB	Institute of Builders. 48, Bedford Square, W.C.1.	Monarch 7391
IR	Institute of Refrigeration. Empire House, St. Martin's-le-Grand, E.C.1.	Abbey 6172
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Sloane 7128-29
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3891
MARS	MARS Group (English Branch of CIAM). 34, Gordon Square, W.C.1.	Euston 2158-9 Whitehall 3400
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Sloane 4522
MOE	Ministry of Education. Belgrave Square, S.W.1.	Whitehall 4300
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 6200
MOLNS	Ministry of Labour and National Service. St. James's Square, S.W.1.	Gerrard 6933
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Abbey 7711
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Whitehall 8411
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Reliance 7611
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Abbey 1010
NAMMC	Natural Asphalt Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 5277/8
NAS	National Association of Shopfitters. 9, Victoria Street, S.W.1.	Kensington 8161
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Abbey 5111
NCBMP	National Council of Building Material Producers. 2, Caxton Street, S.W.1.	Langham 4041
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Macaulay 4451
NFBTO	National Federation of Building Trades Operatives, Federal House, Cedars Road, Clapham, S.W.4.	Whitehall 2881/2/3
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Langham 4041
NHBR	National House Builders Registration Council. 82, New Cavendish Street, W.1.	Molesey 1380
NPL	National Physical Laboratory. Head Office, Teddington.	S.W.1. Abbey 1359
NSAS	National Smoke Abatement Society. Chandos House, Buckingham Gate, S.W.1.	Whitehall 0211/2
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 7245
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
PWB	Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 1761
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1.	Whitehall 9936
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh.	Edinburgh 20396
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
RICS	Royal Institution of Chartered Surveyors. 12, Great George St., S.W.1.	Whitehall 5322
RFAC	Royal Fine Art Commission. 22A, Queen Anne's Gate, S.W.1.	Whitehall 3935
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
RSI	Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1.	Sloane 5134
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.19.	Wimbledon 5101
SBPM	Society of British Paint Manufacturers. 20, Piccadilly, London, W.1.	Regent 6347
SCR	Society for Cultural Relations with the USSR. 14, Kensington Square, London, W.8.	Western 1571
SE	Society of Engineers. 17, Victoria Street Westminster, S.W.1.	Abbey 7244
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Chancery 5313
SIA	Structural Insulation Association. 14, Moorgate, London, E.C.2.	Central 4444
SIA	Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.1.	Metropolitan 8344
SNHTPC	Scottish National Housing & Town Planning Council. Hon. sec., Robert Pollock, Town Clerk, Rutherglen.	
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6146 (3 lines)
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation. 81, Cannon Street, E.C.4.	City 1476
WDC	War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association. 61, St. Paul's Churchyard, E.C.4.	City 4263/4
ZDA	Zinc Development Association. Lincoln House, Turl Street, Oxford.	Oxford 47988

No. 2816]

[Vol. 109

THE ARCHITECTURAL PRESS
9, 11 and 13, Queen Anne's Gate, Westminster,
S.W.1. Phone: Whitehall 0611

Price 9d.

Registered as a Newspaper.

Stelcon

BICYCLE PARKING
A
SIMPLE
AND
ORDERLY
SYSTEM.



Concrete shed units can also be supplied to form suitable cover.

British Patent
No. 425265

STELCON (INDUSTRIAL FLOORS) LIMITED
CLIFFORD'S INN LONDON, E.C.4.

Telephone: HOLBORN 2916



Who
buys Paint
in a
Beauty
Parlour?

To the best of our knowledge nobody does. Most people know there is more to a paint than a nice colour and appearance. They look for durability and protection as well, and in Smith & Rodger products they have found Paints and Varnishes to satisfy their most exacting requirements.

SMITH & RODGER
PAINTS • VARNISHES

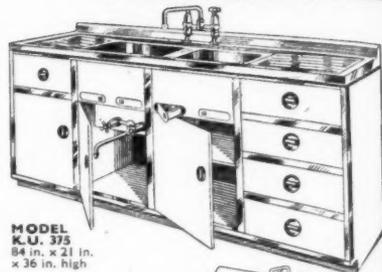
SMITH & RODGER LTD., ELLIOT STREET, GLASGOW, C.3
Telephone: CITY 6341-2. Telegrams: "Smitrod," Glasgow

IN THREE SIZES

IN SOLID STAINLESS STEEL

CATERING SINKS

in standard sizes or to your own measurements can also be supplied in solid stainless steel.



MODEL K.U. 375
84 in. x 21 in.
x 36 in. high



MODEL K.U. 210
42 in. x 21 in.
x 36 in. high



MODEL K.U. 200
63 in. x 21 in.
x 36 in. high

EACH model uses every inch of the space it occupies by providing plentiful cupboard and drawer accommodation. Sink, drainer and splash-plate are in one piece of solid, best quality stainless steel, without joints to trap dirt. Drawers and doors are finished in rust-proofed cream enamel, with recessed handles, and move smoothly and quietly. Solid stainless steel structure, toe recess and other parts subject to stress and hard wear ensure that these Units have a life that is virtually unlimited. Uniform with these Sink Units is an extensive range of "Elizabeth Ann" Kitchen Sideboards, Drawer and Cupboard Units and Wall Cabinets to form a complete, ultra-modern kitchen in solid stainless steel and cream enamel.

The size of the bowl in each case is 21 in. x 15 in. x 8 in. deep.

Early delivery of all models can be made without dockets or restrictions. Send for fully illustrated particulars to

ANDREWS BROS. (Bristol) LTD., 115 Stainless House, Weston-Super-Mare

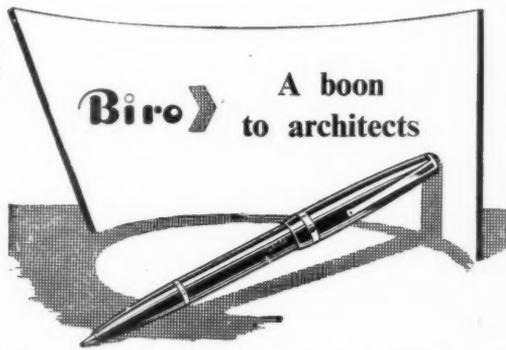
Elizabeth Ann

KITCHEN UNITS

in ATEC SOLID STAINLESS STEEL

Telephone: 3470

Telegrams: Stainless, Weston-Super-Mare



There are so many ways in which the work of the architect involves writing that Biro has become an indispensable aid to the profession.

Biro is ideal for annotating drawings, specifications and estimates, for general note-taking (either in the office or out-of-doors) and for the thousand and one uses where an appreciable amount of time and effort is saved by a pen which frees writing from the hindrances of ink pots, daily refilling, blotting and all the other annoyances of pre-Biro days.

In the very near future Biro will present yet another convenience to architects by supplying refill units in various colours, royal blue, red and blue-black.

Biro
(Regd.)

THE MODERN
WAY OF
WRITING



STEEL



3 in. deep.
enamel.
can be
restrictions.
culars to
er-Mare

h
CS

EL

er-Mare

the
an

ons
the
ne
ort
nd-
he

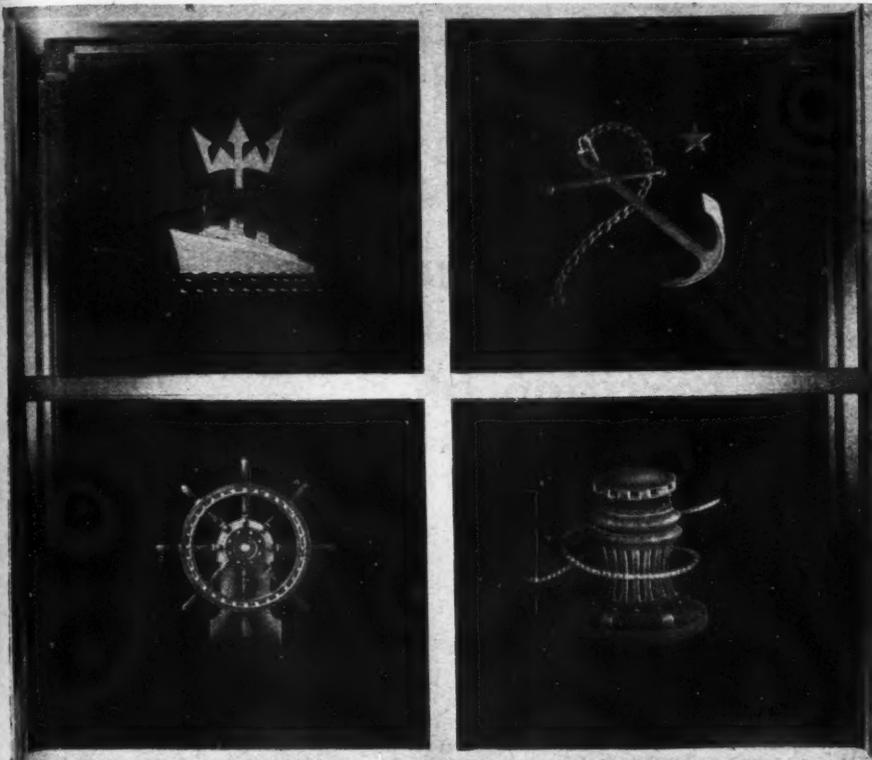
er
in

N

THE LONDON SAND BLAST DECORATIVE GLASS WORKS LTD.

SEAGER PLACE, BURDETT RD., E.3

Telephone ADVANCE 1074



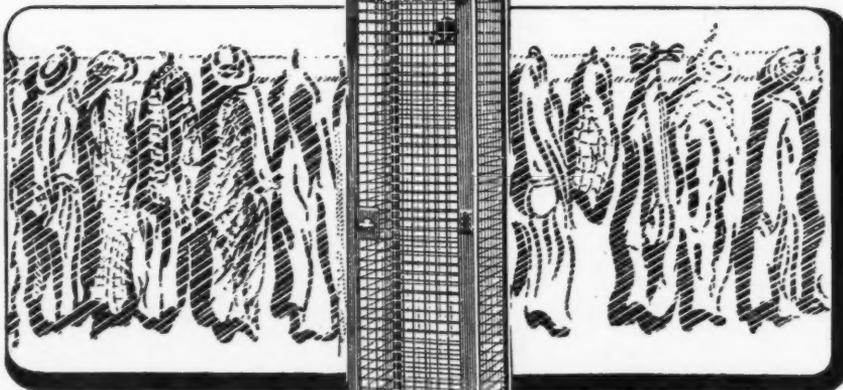
SCREEN IN PEACH GLASS FOR "UNION HOUSE" REGENT ST. W. DIRECTION SIGNS

- for
- MIRRORS
 - SCREENS
 - DOOR PANELS
 - LAYLIGHTS
 - BALUSTRADES
 - LIGHTING FITTINGS
 - SIGNS
 - FASCIAS
 - TABLETS
 - MAPS
 - TRAFFIC & DIRECTION SIGNS

Yours the problem-

Harveys the answer!

"Harco"



"Harco"

Whenever it is a question as to "Where to get" Wire Work of every description, and for all purposes—remember Harveys. Their "Harco" products are especially designed for use in Factories and Schools.

Amongst the many "Harco" products made, especial attention is drawn to Lockers, Cloak-room Fittings, Partitions, Lift Enclosures, Radiator and Pipe Covers, Machinery and Belt Guards.

Send for Catalogue . . . AJ.725

G. A. Harvey & Co. (London) Ltd. Woolwich Road, London. S.E.7

Everything for Building **BROADS** from one convenient source

Broad-Acheson

vibrated cellular

clinker partition blocks

Cut building costs and build better walls

THE BROAD-ACHESON partition block is a revolutionary development in partition block manufacture and design.

This block is unique in that whilst being cellular it has a closed top to take the mortar bed.

Selected and graded material employed to its best advantage by a carefully adjusted mix, a scientifically designed cellular section, and unique production process together combine to produce a partition block of outstanding quality possessing the following advantages:—

No wastage in cutting, no breakages in transit or handling.

PERMANENCE

— No live material — no disintegration.

STRENGTH

— Side thrust resistance and load bearing properties comparable to brickwork.

INSULATION

— Enhanced thermal and Acoustic insulation.

LIGHTNESS

— A Broad-Acheson block proves more efficient than a thicker solid block, thus effecting a saving in initial cost, weight, structure, handling, and transit.

EASE and SPEED OF LAYING

— Increased on account of uniformity of shape and size, lightness and readiness with which a block can be cut into suitable bonding lengths.

ADAPTABILITY

— Pipes and electric conduits can easily be chased in any direction and skirting boards, etc., nailed direct to the blocks. Load bearing brackets can be securely fixed by Rawlplugs or Joggle bolts.

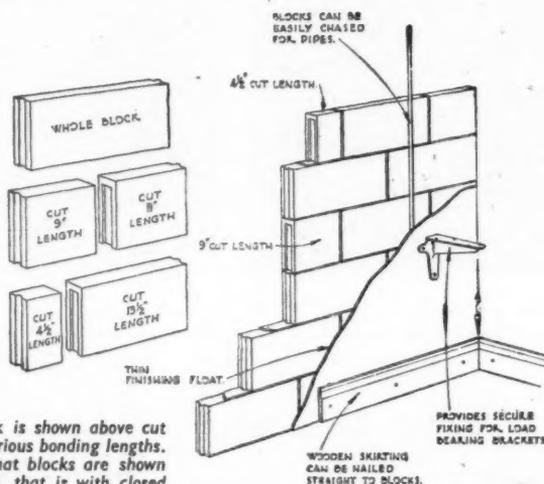
ECONOMY IN MORTAR

— Closed top and uniform shape and size, effect a considerable saving against ordinary blocks.

ECONOMY IN PLASTERING

— Only a minimum thickness of finishing float is required, and perfect adhesion to the face of the block is assured.

ALL DELIVERIES FROM MATURED STOCKS.



A block is shown above cut into various bonding lengths. Note that blocks are shown as laid, that is with closed top to receive mortar bed, cavities being at bottom.

SIZES

LENGTH 17 1/2" WIDTH 8 1/2"
THICKNESSES 2" 2 1/2" 3" 4 1/2"



Write for full details and prices.

Regd. Design 856000

BROAD & CO. LTD., 4, SOUTH WHARF, PADDINGTON, W.2. Tel: PADDington 9091 (15 lines)

13 years at the R.I.B.A.



*Architect: G. Grey Wornum, Esq. F.R.I.B.A.
Seating Contractor: Cox & Co., Bushey*



Installed in 1935, these Dunlopillo-Cushioned seats in the Henry Jarvis Memorial Hall at the R.I.B.A. Building have given thirteen years of hard wear and are good for many more. Dunlopillo is particularly suitable for large seating installations. Not only is it most comfortable, hygienic and long-wearing, but as it is moulded in single units, it makes for easy and speedy assembly.

DUNLOPILLO

The original **LATEX FOAM CUSHIONING**

Dunlop Rubber Co. Ltd. (Dunlopillo Division), Rice Lane, Walton, Liverpool 9. London Address: 19/20 New Bond Street, W.1.

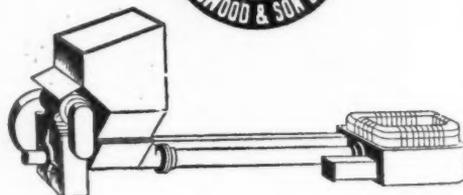
FOUNDERS OF THE LATEX FOAM INDUSTRY



... looks after itself

Every variation of demand due to fluctuations is automatically met by Bigwood Unicalor Stokers, without need of constant attention. This stoker, working on the underfeed principle, is smokeless, economical in fuel, always gives perfect combustion, and is never tiring or careless—always on the job.

JOSHUA BIGWOOD & SON LIMITED
WOLVERHAMPTON



BIGWOOD

UNICALOR

COAL STOKERS

SK28

SANITARY EQUIPMENT AND IRONMONGERY..



... for Britain's Largest Post-War Office Building

A great feature of this fine building scheme is the remarkable speed at which it is being completed. This speed demands the highest standards of efficiency and service from the sub-contractors. Responsibility for the sanitary equipment and architectural ironmongery has been entrusted to Froy.

Our considerable experience of large-scale building projects is always available to architects and contractors engaged on such work, including public buildings, hospitals, schools, housing, etc.



by **FROY**

W·N·FROY & SONS · LTD

Established 1850

BRUNSWICK WORKS, HAMMERSMITH, LONDON

Showroom Entrance : 64 King Street, W.6

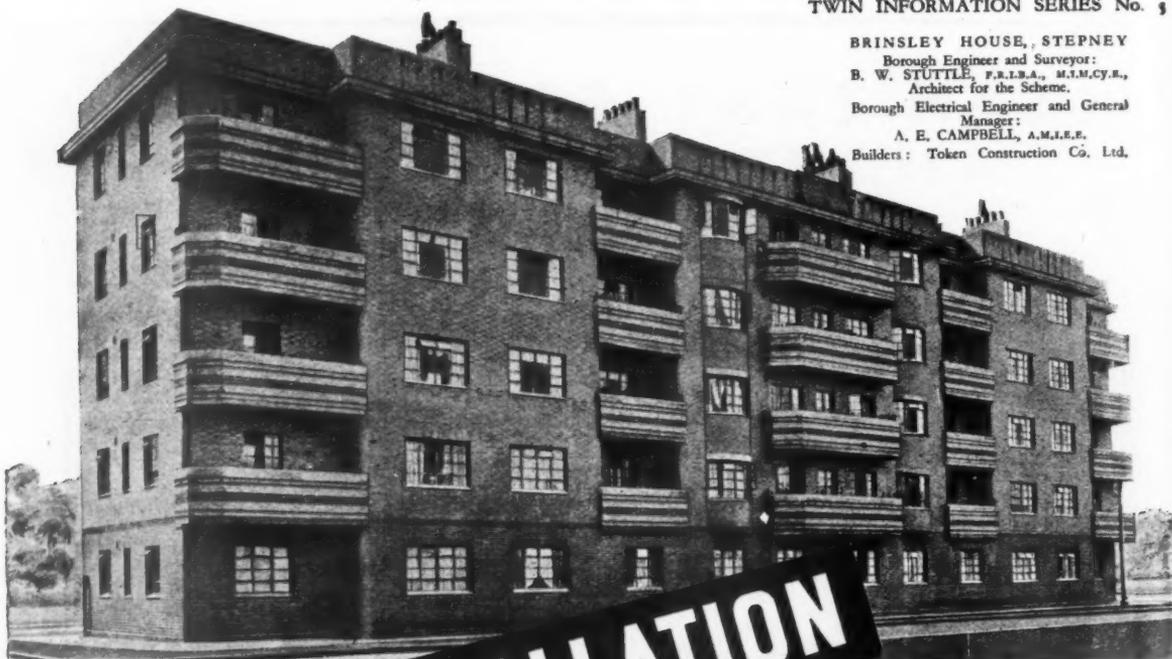
*Belfort House and Lacon House
Theobalds Road, London, W.C.1
Architect: Arthur S. Ash, Esq., F.R.I.B.A.*

*General Contractors:
Messrs. Rowley Bros. Ltd., Tottenham,
N.17. Contractors for Reinforced Concrete
Work, etc: Sir Robert McAlpine & Sons
(London) Ltd.*

Telephone : RIVerside 4101 (24 lines)

TWIN INFORMATION SERIES No. 3

BRINSLEY HOUSE, STEPNEY
Borough Engineer and Surveyor:
B. W. STUTTLE, F.R.I.B.A., M.I.M.C.Y.S.,
Architect for the Scheme.
Borough Electrical Engineer and General
Manager:
A. E. CAMPBELL, A.M.I.E.E.
Builders: Token Construction Co. Ltd.



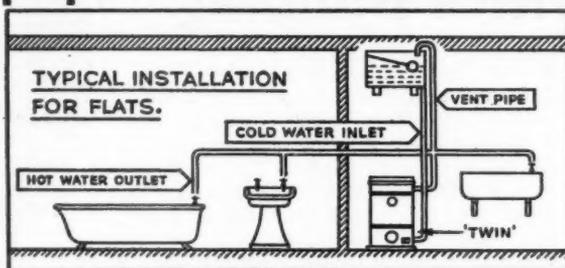
EASY INSTALLATION

A MAJOR FACTOR
IN STEPNEY BOROUGH COUNCIL'S CHOICE
of the *Charlton* 'TWIN'

—the best water heating system for house or flat

In choosing the Charlton 'Twin' Water Heating System for the 113 flats in the Taring Street Estate, Stepney Borough Council appreciated the great advantage of simple installation in these days of high labour costs.

The reduction of installation costs was a primary consideration in the design of the 'Twin' System. The diagram shows the absolute simplicity of the plumbing—no independent hot water storage tank, and pipe-work reduced to a minimum. The elimination of flues and chimneys is an even greater advantage in flat than in house design, and the 'Twin's' compact size and ideal position under the draining board removes more problems previously associated with water heating systems.



It is not surprising that housing authorities are turning to the 'Twin' for their new housing projects. Ask for a copy of Publication HD 20—it gives full details of this modern efficient heating system.



BRITISH NATIONAL ELECTRICS LTD.
THE DOMESTIC APPLIANCES SECTION OF
JOHNSON & PHILLIPS LTD.

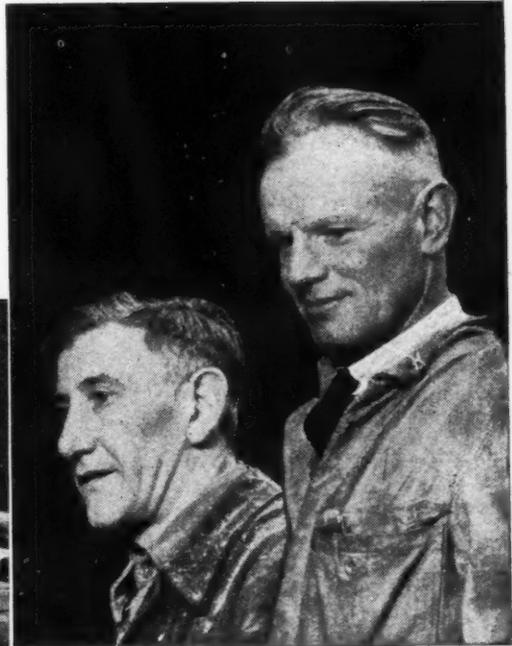
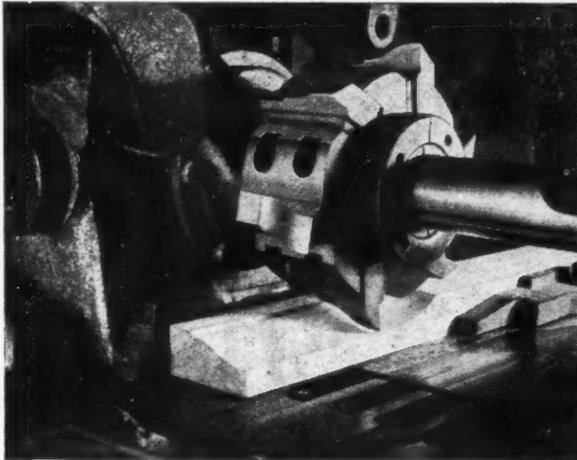
NEWARTHILL · MOTHERWELL · SCOTLAND.

THE MEN and THEIR MACHINES

THE CRAFTSMEN

Two men—"Lofty" Jacques, 6 ft. plus a big bit, and "Tich" Emmerson, 5ft. plus a little bit, both joined us in 1916. What they don't know about moulders is not worth knowing. They gained their experience the slow, hard way—by assiduous practice—and the makers of our machines say that "Lofty" and "Tich" hold the world's record for a day's output on a high speed moulder. The exact quantity moulded is our secret, but the material was 1" x 2" picture rail, bundled 20 pieces in a bundle, and the bundles measured well over a mile—not bad for one day's production.

An almost unbelievable lightness of touch is required for "jointing" the cutters. "Tich" and "Lofty" have reduced this to a fine art and when we say "fine" we mean "fine".



THE MACHINE

In the high speed moulder revolving cutters are used to produce flat surfaces. This is achieved by using heads of the largest practicable diameter, carrying the largest possible number of cutters, and revolving at the greatest practicable speed. Our cylindrical heads carry six or eight knives, either plain or shaped, and revolve at 4,500 r.p.m. Timber passes through the machine at speeds up to 260 ft. per minute. Every knife in a cutting head must travel in exactly the same cutting circle. This end is gained by "jointing" the cutters with a special grinding stone in their actual running position and while they revolve at their normal cutting speed. For shaped cutters the grinding stone must be of the same shape as the profile of the required moulding. The electric motors fitted to a high speed moulder have a total capacity of 70 H.P.

AUSTINS OF EAST HAM LIMITED

Telegrams: Austins, East Ham

AND

Telephone: Grangewood 3444

ROBERT H. HALL & CO. (KENT) LTD

Telegrams: Hall, Paddock Wood

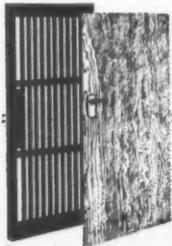
Telephone: Paddock Wood 108

Joinery Moulding Staircase manufacturers



"FOCUS" describes the important features of Clymax Flush Door construction. A limited number of copies are available for distribution to building executives and merchants.

Support is the backbone of a good flush door . . . on its design depends not only the durability, but the smooth surface needed for the gloss finish popular in modern decoration. The interior construction of the CLYMAX was originated by Hills and has since been proved in the laboratory and on the job to be capable of giving all the support and the stability a reliable flush door needs.



CLYMAX NOW A PRACTICAL ALTERNATIVE TO THE PANEL DOOR

Standardization of core construction, combined with quantity production, has lowered manufacturing cost to very little more than the standard panel door. The Clymax is now supplied in four sizes only, suitable for residential and public buildings.

CLYMAX *Tested Flush Doors*

Designed and made only in HILLS Factories







Painting by Eric Fraser, F.S.I.A.



TRADE WINDS No 7

HAKLUYT'S PROUD DEDICATION

Under the far-sighted and spirited encouragement of Queen Elizabeth, English commerce expanded apace. Venice had abandoned the struggle and Antwerp was involved in the Wars of the Spanish Netherlands; Amsterdam and the rebel Dutch had not yet established themselves.

The pioneering spirit of the English, fast becoming an unrivalled tradition throughout the world, was effectively summed up in 1589 by Hakluyt in the proud dedication of his "Voyages."

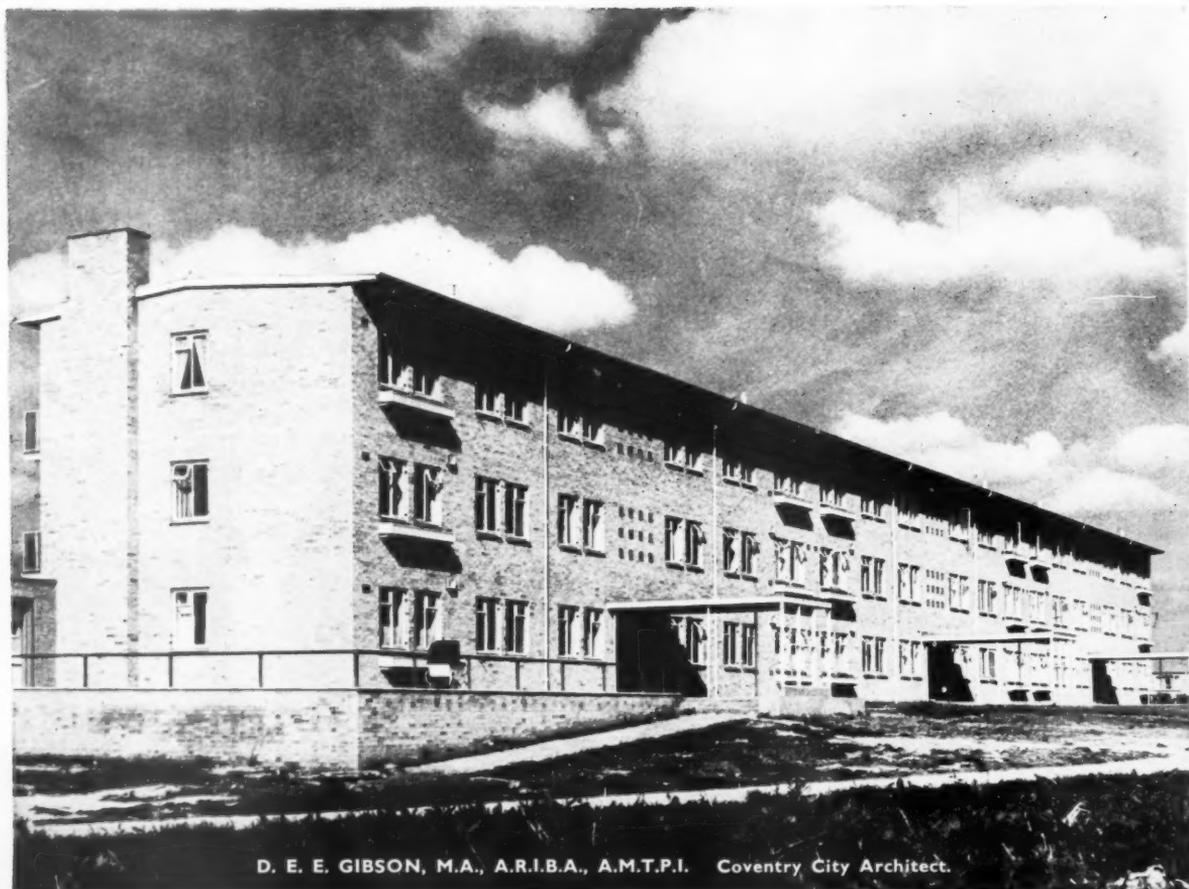
"Which of the Kings of this land before her Majesty, had their banners ever seen in the Caspian sea? Which of them hath ever dealt with the Emperor of Persia as her Majesty hath done, and obtained for her merchants large and loving privileges? Who ever saw, before this regiment, an English Ligier in the stately porch of the Grand Signor at Constantinople? Who ever found English Consuls and Agents at Tripoli in Syria, at Aleppo, at Babylon, at Bakara, and, which is more, who ever heard of Englishmen at Goa before now? What English ship did heretofore ever anchor in the mighty river of Plate? Pass and repass the unpassable (in former opinion) strait of Megellan, range along the coast of Chili, Peru and all the backside of Nova Hispania, further than any Christian ever passed, traverse the mighty breadth of the South Sea, land upon the Luzones, in despite of the enemy, enter into alliance, amity and traffic with the Princes of Maluccas, and the isle of Java, double the famous Cape of Bona Speranza, arrive at the isle of St. Helena, and last of all return home richly laden with the commodities of China, as the subjects of this now flourishing monarch have done?"



THE UNITED STEEL COMPANIES LIMITED, SHEFFIELD

STEEL PEECH & TOZER, SHEFFIELD · SAMUEL FOX & CO, LTD., SHEFFIELD · APPLEBY-FRODINGHAM STEEL COMPANY, SCUNTHORPE, LINCS.
WORKINGTON IRON & STEEL COMPANY, WORKINGTON · UNITED STRIP & BAR MILLS, SHEFFIELD · UNITED COKE & CHEMICALS CO. LTD., TREETON

® USP 63



Ascot Multipoint Gas Water Heaters
were selected for Monks Park Estate, Coventry
...another of the major housing projects for which
Ascot equipment has been chosen for
its economy, reliability and convenience

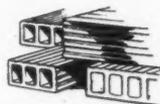


ASCOT GAS WATER HEATERS LIMITED · 43 PARK STREET · LONDON W1





For proof of Concrete Progress

That concrete can do still more is the  inspira-
tion of the Dow-Mac organisation. In the experience gained
in the  successful production of pre-stressed
concrete main line railway sleepers,  in pre-stressed
bridge beams and in pre-stressed constructional
work  lies your guarantee of quality in all
the many Dow-Mac Concrete Products—from  paving
slabs to transmission line poles.

depend on

*For the Mass Production of all types of Pre-cast Units :
Sleepers, Transmission Poles, Lighting Columns, Kerbs,
Fence Posts, Bridge Beams, Piles, Flooring and Decking.*

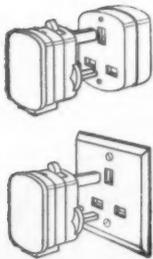
**DOW-MAC (PRODUCTS) LTD
TALLINGTON, LINCOLNSHIRE**

LONDON OFFICE: Lion House, Richmond, Surrey.

Works also at: Griffiths Crossing, Caernarvonshire, North Wales
and Warrenpoint, Nr. Newry, Co. Down, Northern Ireland.



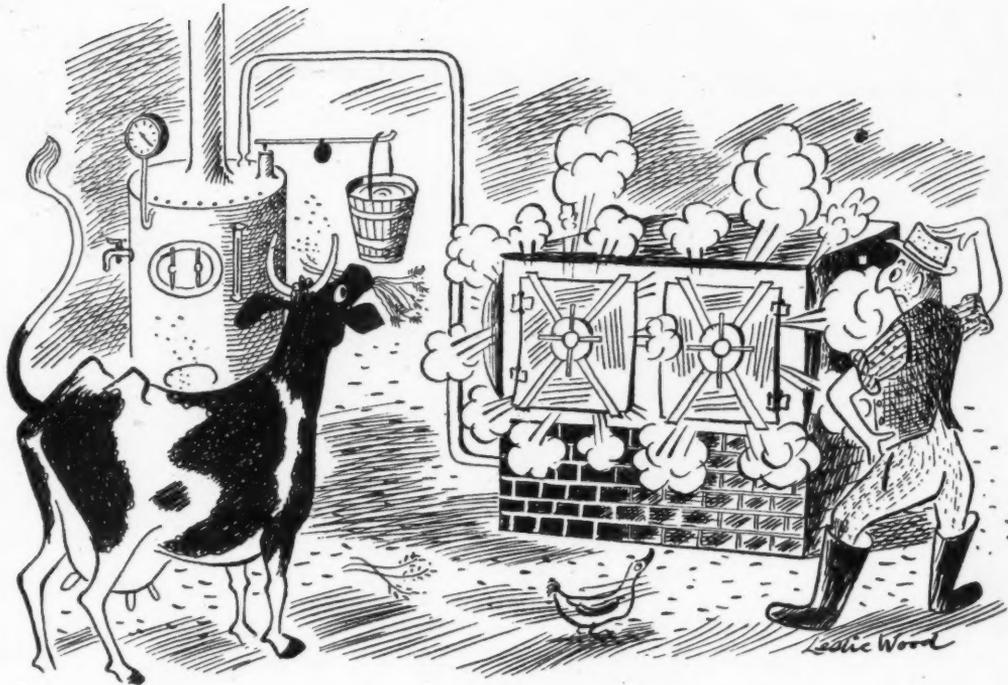
The New  *Switch Plug*



“A Plug to connect — A Switch to Control. Another innovation of great utility — a plug embodying a switch. This new switch plug is low in cost, convenient and small. Any B.S. 1363 outlet can be converted to a switch point by merely changing the plug.”

M. K. Electric Limited

EDMONTON · LONDON · N.18



A lesson for industry in a Battle of the Bulge!

On a routine visit to a farm, the Ministry's Fuel Engineer was told by the farmer that the walls of the sterilising chests were bulging.

These alarming symptoms were quickly traced to excessive steam pressure. The chests were fed from a small boiler totally inadequate for the job, but the intrepid farm worker had assisted the pressure by hanging a bucket of water on the safety valve! By this 'modification' he not only risked blowing himself up, but also wasted fuel by using his steam at a higher pressure than the job required.

Yes, you may laugh, but throughout industry, thousands of tons of fuel a year are being wasted simply because steam is being used at needlessly high working pressures.

Could it be happening in your works? That's easily answered—simply invite the Ministry's Regional Fuel Engineer along to make a routine check; it will cost you nothing and may pay you handsomely, as it has already paid hundreds of other firms. We can't afford to waste a single ounce of fuel these days; in fact "it's being so careful as keeps us going"!

**YOUR
REGIONAL
FUEL
OFFICE**

REGION

Northern
North-Eastern
North-Eastern
North-Midland
Eastern
London
South-Eastern
Southern
Wales
South-Western
Midland
North-Western
Scotland
Scotland
Scotland

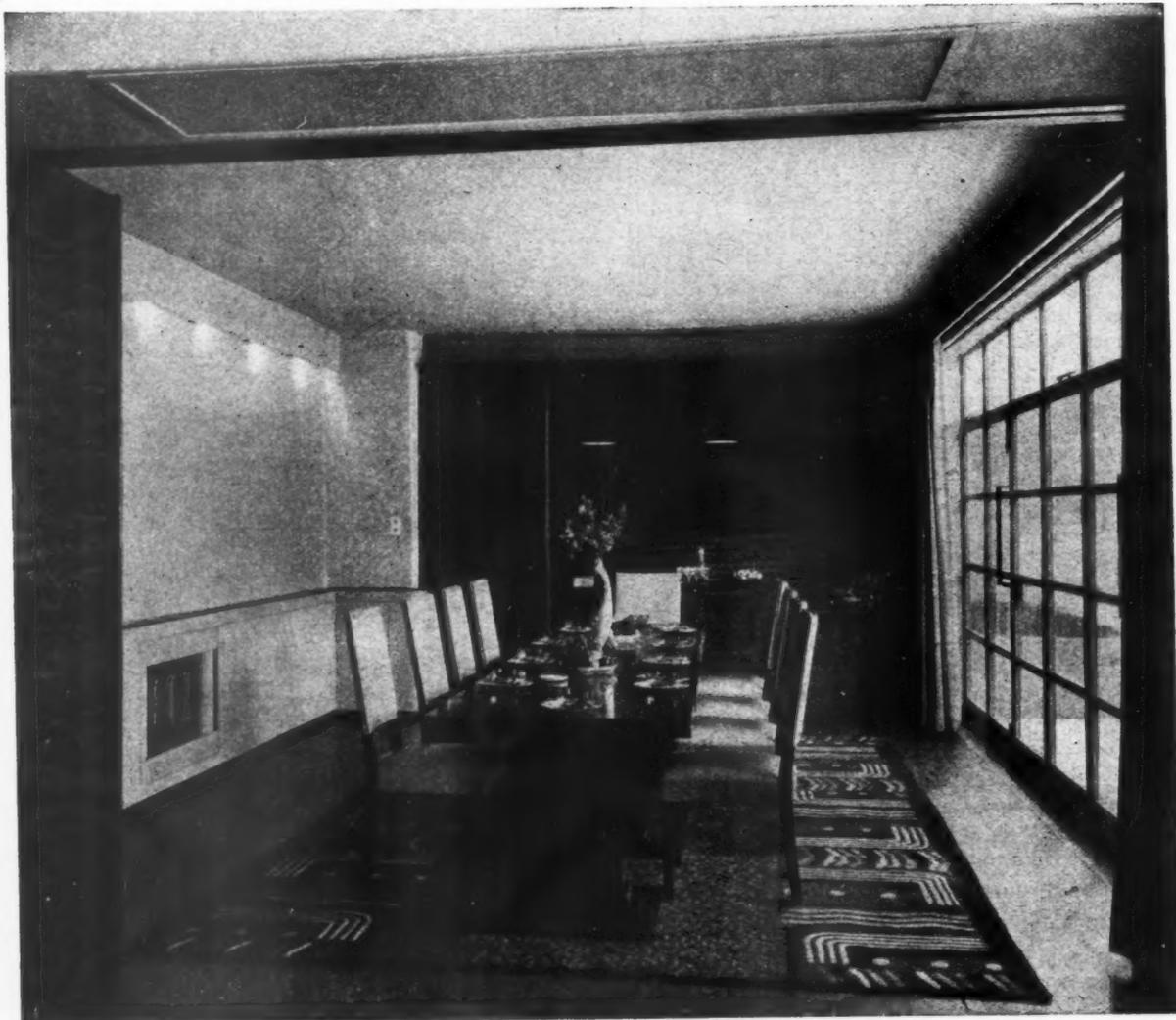
ADDRESS

Government Buildings, Ponteland Road, Newcastle-on-Tyne, 5
Century House, South Parade, Leeds, 1
Mount Pleasant School, Sharrow Lane, Sheffield
Castle Gate House, Castle Gate, Nottingham
Shaftesbury Road, Brooklands, Avenue, Cambridge
Mill House, 87/89, Shaftesbury Avenue, W.1
Forest Road, Hawkenbury, Tunbridge Wells, Kent
Whiteknights, Earley, Reading
27, Newport Road, Cardiff
12/14, Apsley Road, Clifton, Bristol, 8
Temporary Office Buildings, Hagley Road West, Birmingham, 17
Barton Road, West Didsbury, Manchester, 20
145, St. Vincent Street, Glasgow, C.2
51, Cockburn Street, Edinburgh, 1
1, Overgate, Dundee

TELEPHONE

Newcastle 28131
Leeds 30611
Sheffield 52461
Nottingham 46216
Cambridge 56268
Gerrard 9700
Tun. Wells 2780
Reading 61491
Cardiff 9234
Bristol 38223
Beechwood 3071
Didsbury 5180-4
Glasgow City 7636
Edinburgh 34881
Dundee 2179

ISSUED BY THE MINISTRY OF FUEL AND POWER



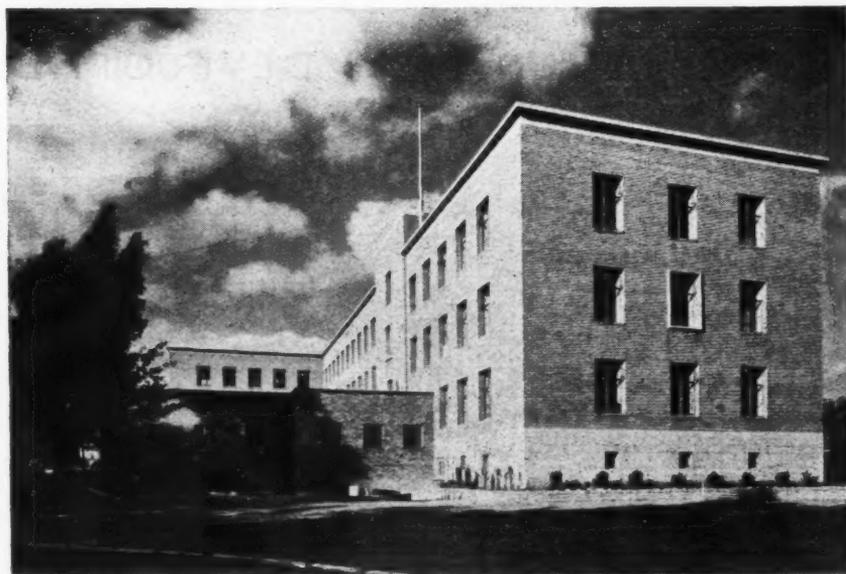
Bath

**CABINET MAKERS
AND ARTCRAFT LTD**

CONTRACTORS FOR MODERN INTERIORS

Enquiries are invited from Architects interested in the Furnishings of Ships, Hotels, Public Buildings and Offices.

LOWER BRISTOL RD., BATH Tel : Bath 7214-5 · LONDON SHOWROOMS, 1 GRAFTON ST., W.1. Tel : Regent 4671



CONSTRUCTIONAL
"BIG SPAN"
FLOORS AND
STAIRCASES

TERRAZZO
FINISHINGS TO
FLOORS
STAIRCASES
WALL LININGS
LAVATORIES



NEW OFFICE BUILDING FOR MESSRS WHESOE LTD

ARCHITECTS—SIR JOHN BURNET, TAIT & PARTNERS

DIESPEKER & CO. LTD.

ENGINEERS IN FLOOR, ROOF AND STAIRCASE CONSTRUCTION
MOSAIC AND TERRAZZO

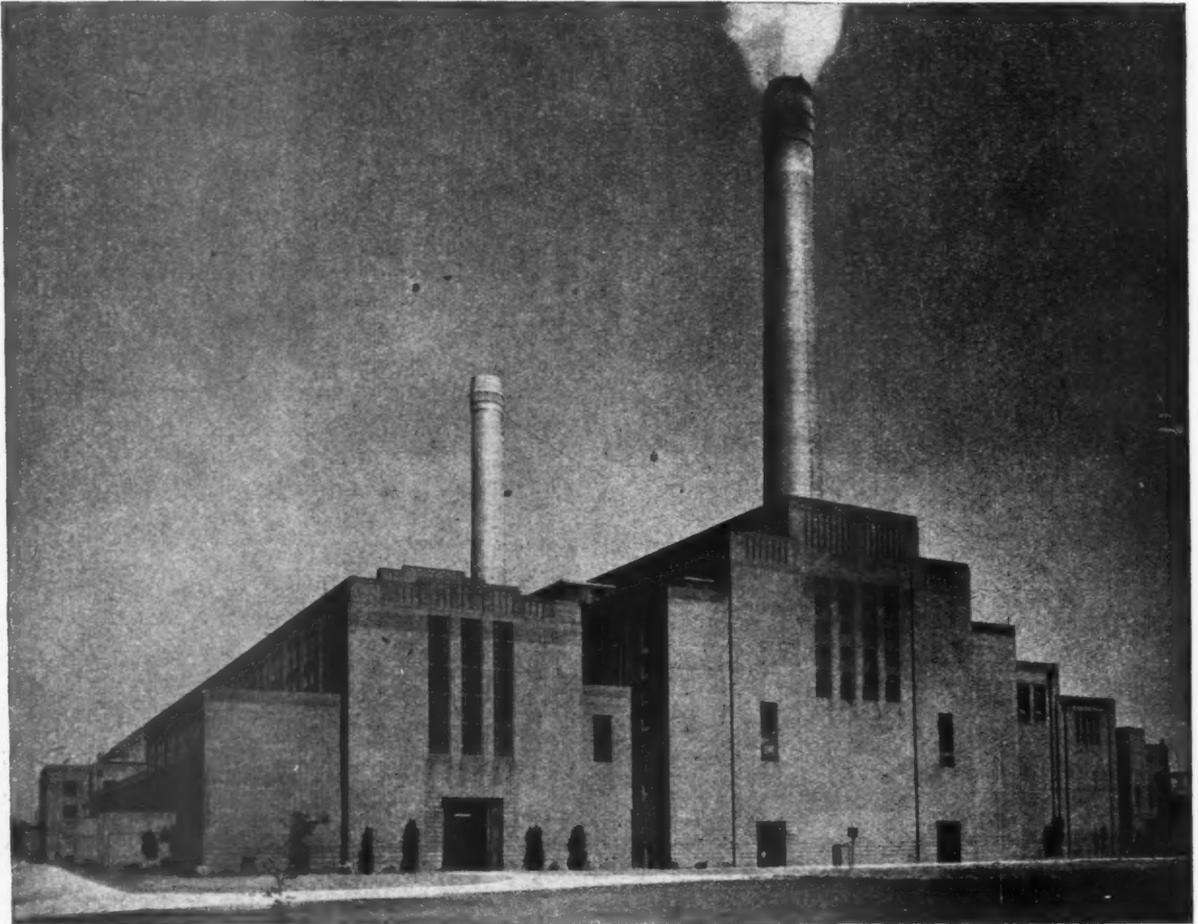
CLIFTON HOUSE, EUSTON ROAD, LONDON, N.W.1

Telephone: Euston 4301-2-3

Branches at: Liverpool, Manchester, Birmingham, Hull, Glasgow, Belfast,
Dublin and Cardiff.

ESTABLISHED 1881

Brick FOR INDUSTRIAL DEVELOPMENT



Hans Hall Power Station—General View, West End. City of Birmingham Electric Supply Department.

BOTH for normal building construction and for engineering work, Brick has given long and dependable service to industry.

For buildings exposed to smoke, grime and other atmospheric impurities, Brick effects substantial economies in maintenance.

Where exceptional strength and durability are essential, special grades of Brick are available which will

withstand loads exceeding 10,000 lbs. per square inch. For resistance to chemical action, Engineering Bricks constitute a formidable barrier.

Brick is playing a vital part under the Capital Construction Programme—new power stations, mining improvements, water and sewage works, railway development and new factories for export production are being planned and constructed in Brick.

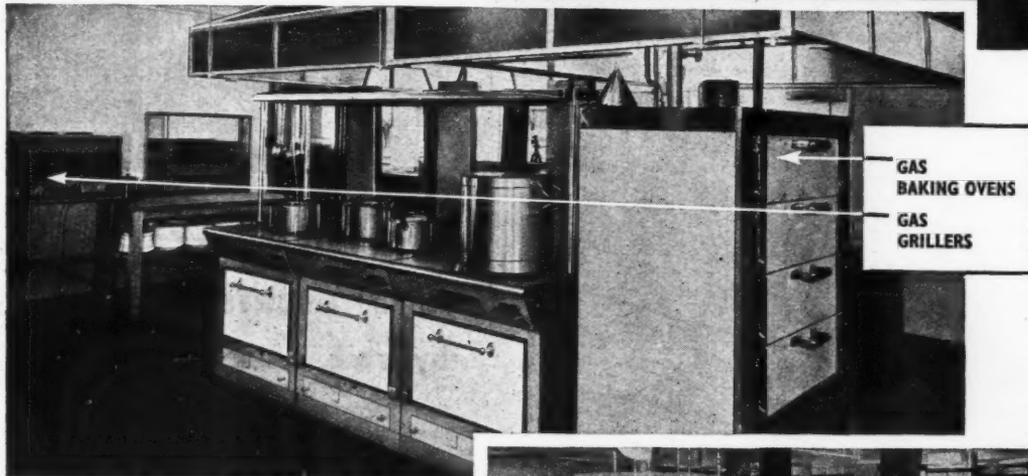
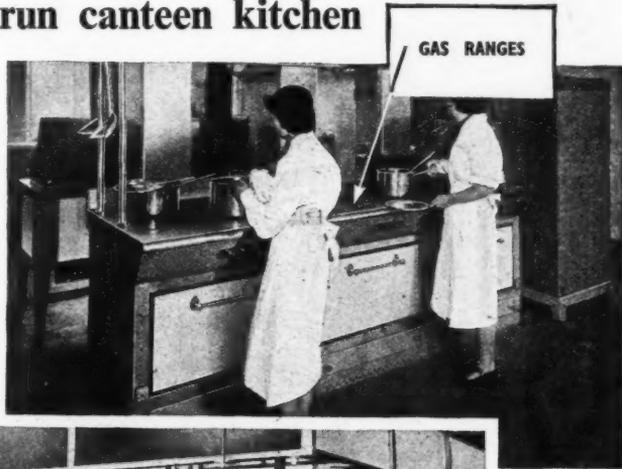
BUILD FOR THE PRESENT AND THE FUTURE . . . IN

BRICK

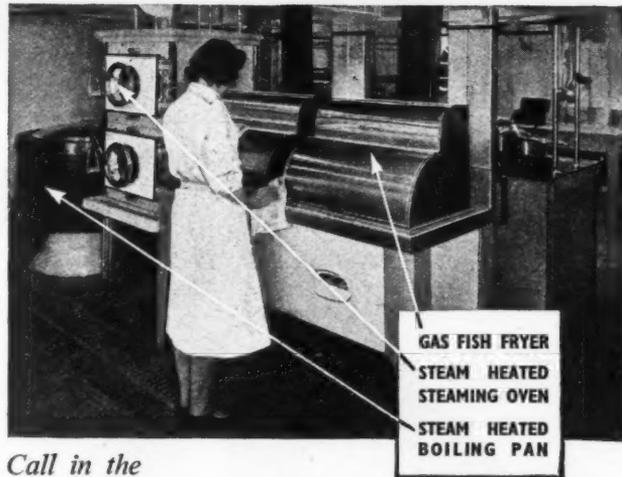
*Issued by The National Federation
of Clay Industries, London, W.C.1*

How 'Falkirk' designed and equipped this compact, easy-to-run canteen kitchen

George Spencer, Molton & Co. Ltd., Bradford-on-Avon. For this firm's canteen, which was required to cater for 150 people per sitting, the space available was small. The Falkirk Planning Staff drew up the plans and, these being approved, the necessary equipment was ordered from our factories. Throughout the whole period of installation, every operation, up to the serving of the first meal, was carried out under the direction of responsible Falkirk engineers. The highly efficient, space-saving layout can be seen in the photographs.



The 'Falkirk' Service covers everything. A fully qualified staff will co-operate with you in drawing up plans for the whole installation, including heating, ventilating and cooking equipment. In this way, you will obtain the most suitable type of equipment, for the 'Falkirk' Service supplies apparatus for steam, electricity, gas, heat storage, oil and solid fuel.



PERSONAL CONSULTATIONS AT YOUR CONVENIENCE. We shall be glad to give you further information regarding Falkirk Installations and Service, including advice and assistance on any large-scale catering plans you may be working on at present. Please write to :

Call in the

'Falkirk' SERVICE

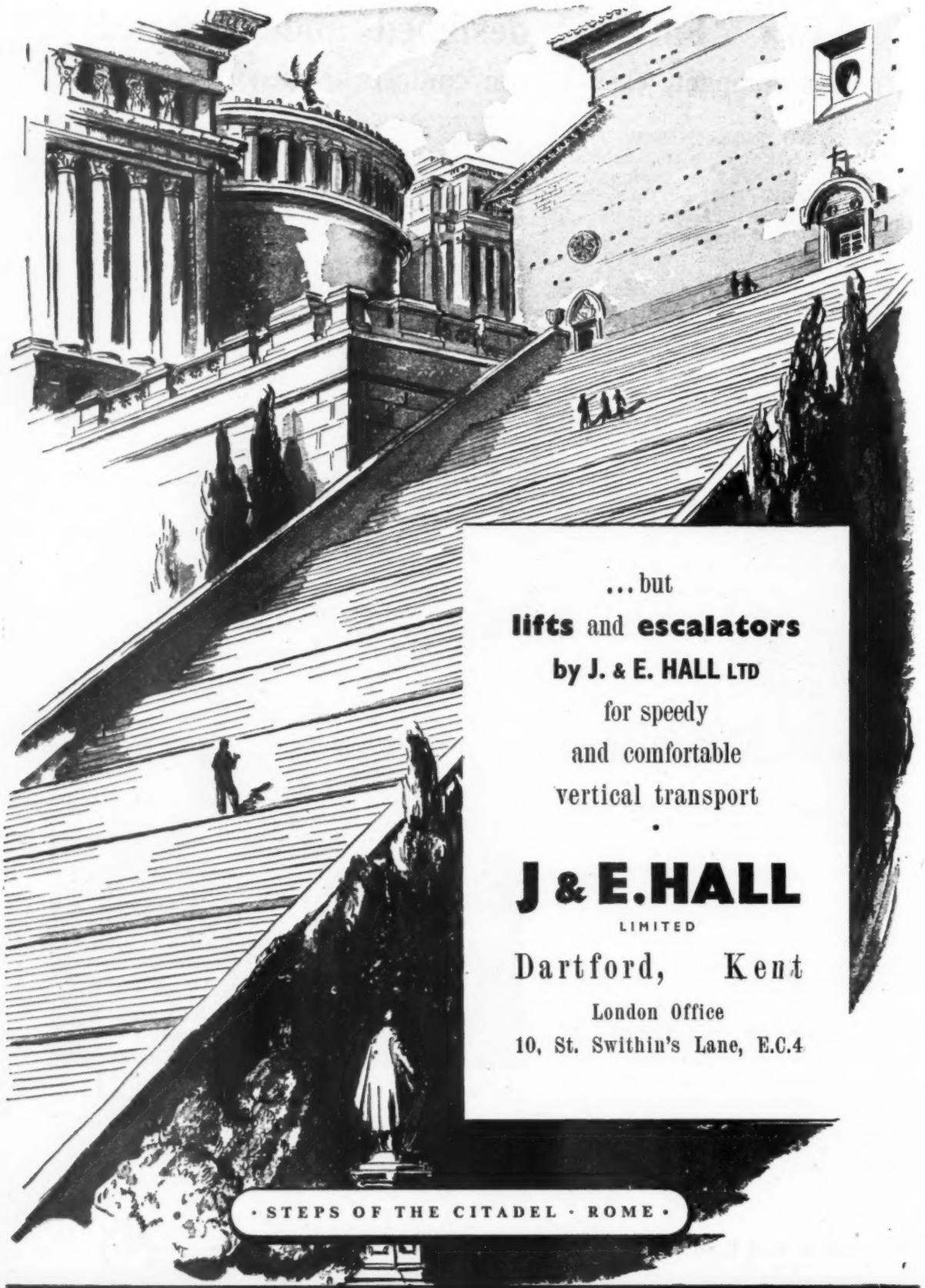
One firm does the whole job

ALLIED IRONFOUNDERS LTD.

Catering Equipment Department

Mortimer House, 37-41 Mortimer Street, London, W.1.





... but
lifts and escalators
by **J. & E. HALL LTD**
for speedy
and comfortable
vertical transport

J & E. HALL

LIMITED

Dartford, Kent

London Office

10, St. Swithin's Lane, E.C.4

• STEPS OF THE CITADEL • ROME •

for appearance

and preservation



Inside or out, whatever the effect desired, there are AW Group products specially formulated for that purpose. For the AW Group range of Decorative Finishes has been evolved by experts, practical men who understood the problems involved and were not satisfied with less than the best. Because of the uniformly high quality associated with all products of the AW Group, decorators will find it an advantage to use AW Group paints for the entire job. Full details of these products will be supplied gladly on request by the Technical Information Department at Head Office.

HARD GLOSS FINISHES	WILRAY APAC EVERESTOL
FLAT OR EGGSHELL FINISHES	SUNMATT SPRAYLITE APAC
WATER PAINTS & DISTEMPERS	DEZ DEXAPAC LUCERNAL

The above are some of the principal AW Group brands. In addition there are ranges of Metallic Paints, Primers, Undercoats and specialities offering complete coverage of decorating finish requirements.

THE AULT & WIBORG GROUP

Decorative and
Protective Coatings

FINISHES DIVISION

HEAD OFFICE : STANDEN ROAD, SOUTHFIELDS, LONDON, S.W.18. (Telephone : Putney 7133 10 lines)



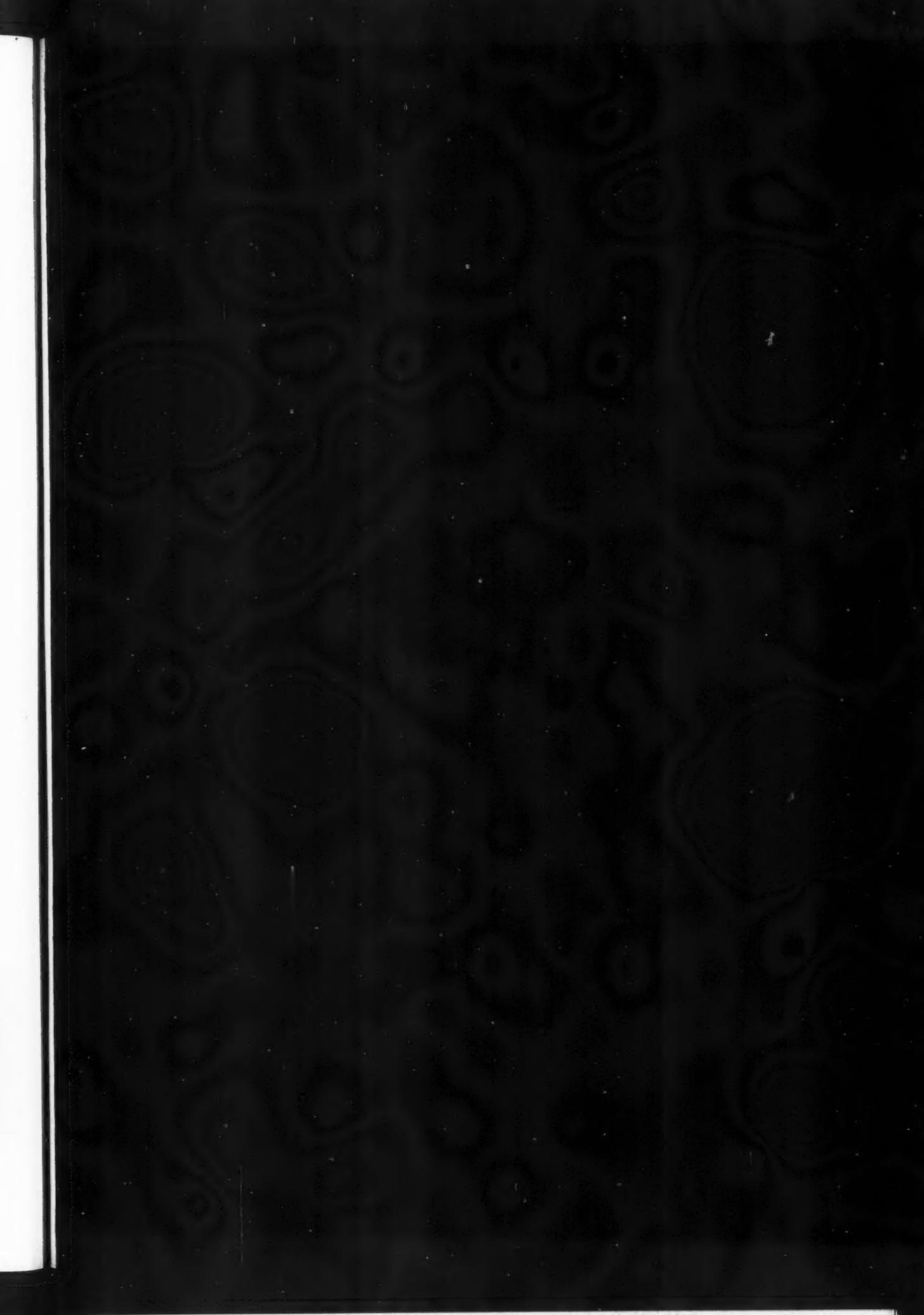
BRABY PRESSED STEEL STAIRS

Braby Pressed Steel Stairs are suitable for internal use in all classes of buildings. They are lighter than Concrete Stairs. Designs submitted on request. The illustration shows one of our Stair contracts in course of erection.

FRED^K BRABY & CO. LTD.

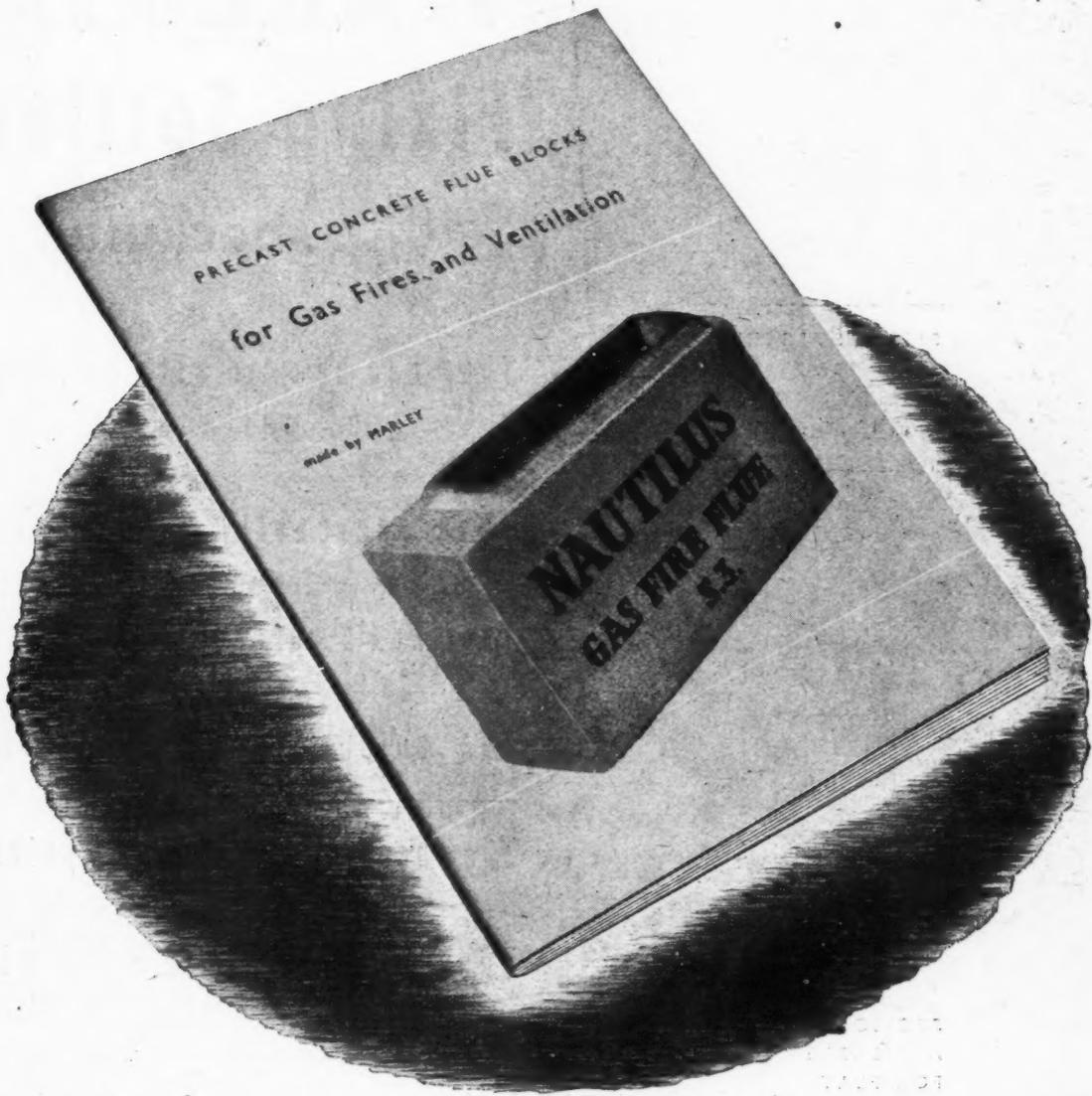
GLASGOW:	ECLIPSE WORKS, PETERSHILL ROAD, GLASGOW, N.	TEL:	SPRINGBURN 5151
LONDON:	FITZROY WORKS, 352-364, EUSTON ROAD, N.W.1.	TEL:	EUSTON 3456
"	IDA & VICTORIA WORKS, DEPTFORD, S.E.8	TEL:	TIDEWAY 1234
LIVERPOOL:	HAVELOCK WORKS, AINTREE, LIVERPOOL, 10.	TEL:	AINTREE 1721
BRISTOL:	ASHTON GATE WORKS, BRISTOL, 3.	TEL:	BRISTOL 64041
EXPORT:	110, CANNON STREET, LONDON E.C.4	TEL:	MANSION HOUSE 6034

ALSO AT FALKIRK, BELFAST & PLYMOUTH





PRECAST CONCRETE FLUE BLOCKS For Gas Fires and Ventilation



This new publication describes the Nautilus system of flue construction. The full range of standard flue blocks is illustrated, and drawings of typical construction are included, together with notes on the computation of quantities. Copies may be obtained from **MARLEY**

THE MARLEY TILE COMPANY LIMITED · SEVENOAKS · KENT

M.N.2

More and More Architects specify

WARERITE

TRADE MARK

Fixing Sections

... because

They can be used with most types
of wallboards

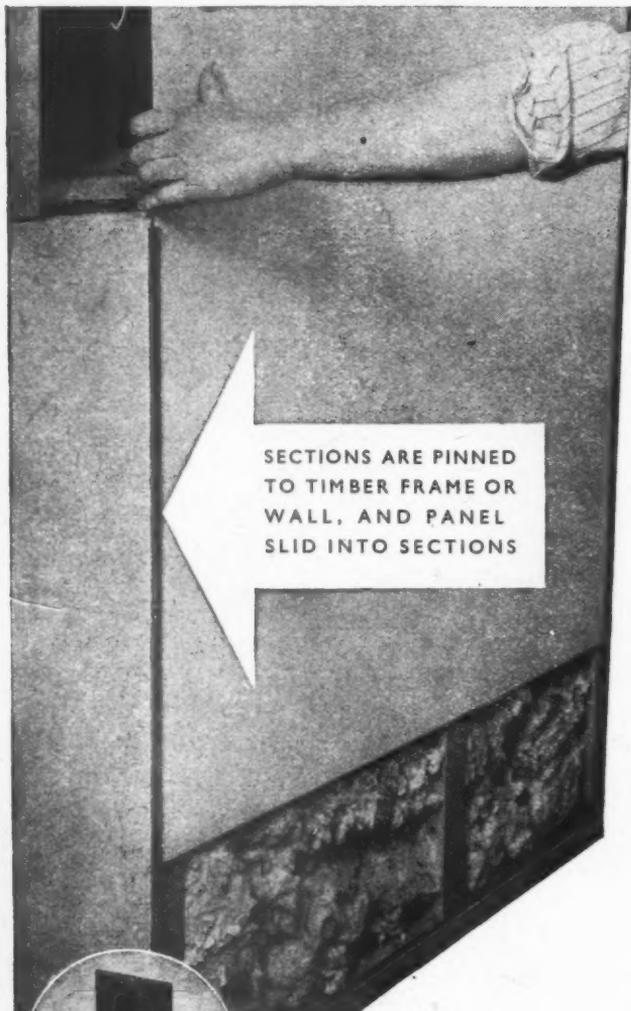
They are easily cut and fixed

They won't corrode, chip or stain

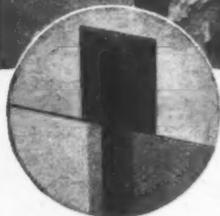
The colour goes right through

They need no finishing or painting

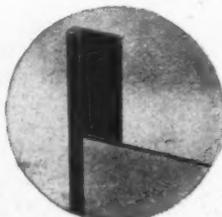
They are available from stock
(black now; grey and buff shortly)



SECTIONS ARE PINNED
TO TIMBER FRAME OR
WALL, AND PANEL
SLID INTO SECTIONS



SECTIONS
AVAILABLE
FOR FLAT
JOINTING,
INTERIOR AND
EXTERIOR ANGLES,
AND CAPPING



Enquiries invited from Builders' Merchants

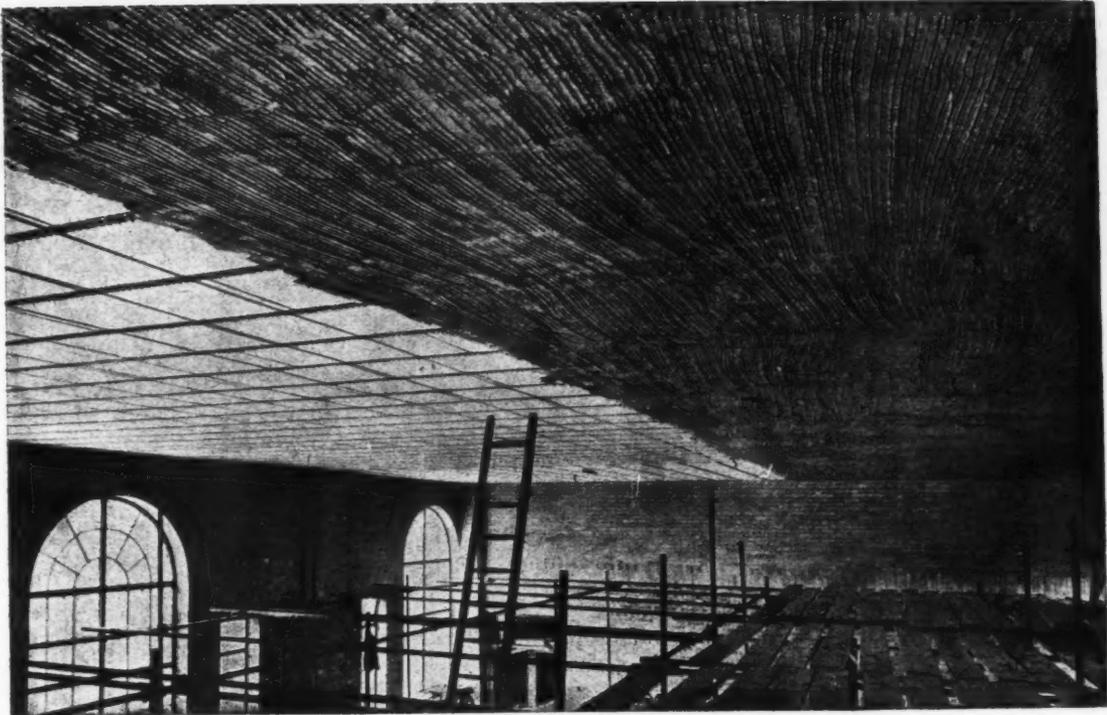
WARERITE LIMITED

WARE, HERTS

(Unit of Bakelite Limited)

TELEGRAMS: WARERITE, WARE
TELEPHONE: WARE 502

*Manufacturers of Decorative
Laminates for 20 years*



Part of a large area
of **PLAXSTELE** ceiling
Registered Trade Mark

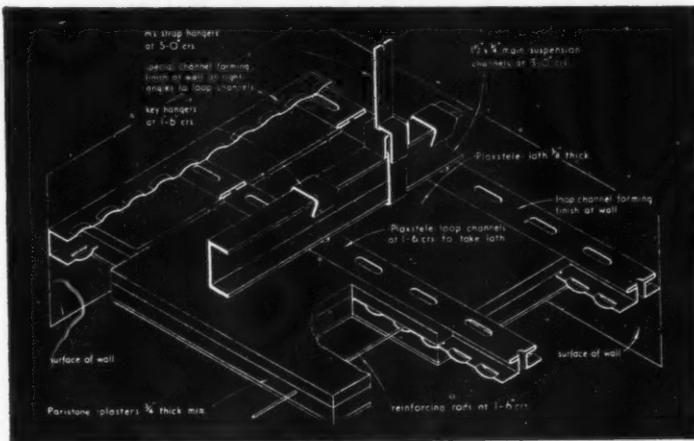
The PLAXSTELE system combines the use PLAXSTELE lath, specially designed for plastering with PARISTONE plaster, with metal patented suspension and jointing members which hold the lath rigid and at the same time anchor metal reinforcing rods in the plaster finish.

It provides a suspended ceiling with a substantial plaster finish having high fire-resisting properties. It is adaptable to any type of building construction and can be suspended horizontally at any level below the main roof structure.

Advantages of this system include simplification of plastering work, saving of time, superior strength, high fire resistance, elimination of timber framing, improved thermal insulation.

The photograph above shows part of a large area of PLAXSTELE ceiling to which the first undercoat of PARISTONE plaster is being applied. The isometric sketch on left shows the general assembly of the component parts.

Further information about this and other GYPROC products or systems will gladly be supplied.



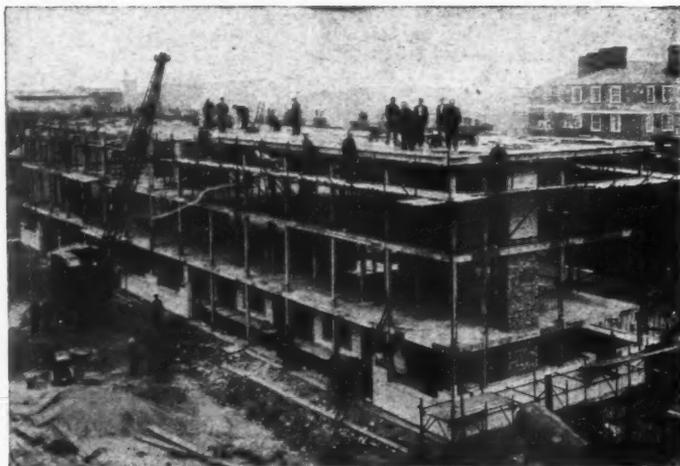
Makers also of ACOUSTELE Ceilings, GYPROC Plaster Board, GYFELITH Lightweight Building Slabs, GYASTELE Partitions and Ceilings, GYPROC 2nd Solid Partitions.

GYPROC PRODUCTS LIMITED

HEAD OFFICE: Westfield, Upper Singwell Road, Gravesend, Kent. Tel: Gravesend 4251-4 'Grams: Gyproc, Gravesend
GLASGOW OFFICE: Gyproc Wharf, Shieldhall, Glasgow, S.W. 1. Telephone: Govan 2141-3. 'Grams: Gyproc, Glasgow
LONDON OFFICE: Morris House, 1-3 Jermyn Street, London, S.W.1 Telephone: Whitehall 9821-5

G.P.S.

At the Architect's Service



Block of Flats at Poplar, E.3.

Architect: W. J. RANKIN, A.C.G.I., A.M.Inst.C.E.,
A.M.Inst.M. and Cy.E., A.M.T.P.I.

***precast*★
REINFORCED CONCRETE
FRAMEWORK, FLOORS
AND ROOFS FOR ANY
STRUCTURES**

★*means* ECONOMY IN STEEL, COST,
AND **SPEED** IN SUPPLY AND ERECTION

Enquiries Invited

ORLIT LTD.,

TELEPHONE:
VICTORIA
6701

18, BUCKINGHAM GATE, LONDON, S.W.1
ORLIT (LANCASHIRE) LTD., 3 BROWN STREET, MANCHESTER, 2

Telephone: (MANCHESTER) BLACKFRIARS 0718

A TRADE MARK AS  GOOD AS A BOND

FAROMAT

A really superb

FLAT WALL PAINT

made by

T. & W. Farniloe, Limited.

Ease of application, a soft, velvety finish of surpassing beauty and exceptional durability, these are qualities which make FAROMAT the preferred wall paint wherever pride of craftsmanship prevails.

FAROMAT possesses immense hiding and covering capacity and has an 'after-flow' unprecedented with this type of paint. It remains in perfect suspension during use, dries evenly and quickly.

The FAROMAT finish is washable and every one of its ten delicate pastel tints is fast to light. FAROMAT is also available in white. It will be found that these beautiful colours combine to offer unlimited scope in the interior decoration of Houses, Hotels, Restaurants, Churches, Schools, and Institutions.



FAROMAT colours and FAROMAT finish create an atmosphere of restfulness and an illusion of space which is especially valuable in modern domestic decoration. It can be used on practically any surface.

While the natural finish of FAROMAT is one of its greatest charms, differing degrees of gloss from egg-shell to varnish glaze can be produced when occasion demands.

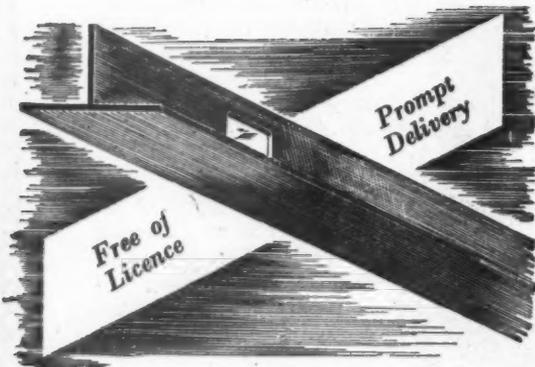
FAROMAT TINT CARD will be sent free on receipt of application under your letterheading. In addition to

complete range of tints in actual FAROMAT finish, it contains useful directions for the preparation of work and the application of FAROMAT to the different surfaces likely to be encountered in everyday work.

T. & W. FARNILOE LTD., ROCHESTER ROW, WESTMINSTER, LONDON, S.W.1



IF YOU HAVE any problem in insulation, whatever its nature, or you require details of the application of Wall Boards, we gladly offer you the benefit of our extensive experience in this field of theory and construction.



Aluminium Alloy Extruded Tee Section

YOU MIGHT appreciate independent expert advice with reference to your own particular problems, or the saving to be made between uninsulated and insulated buildings, free of any obligation to yourself.

PLEASE WRITE to us for an appointment to discuss details with you.



CONSTRUCTION COMPANY LTD.
CLIFTON HOUSE, EUSTON ROAD,
Opp. St Pancras Station
LONDON, N.W.1. EUSTON 7465

CONTRACTING AGENTS:

BIRMINGHAM—Rudders & Paynes, Ltd., Aston.
CARDIFF—John Bland & Co., Ltd., East Moors.
MANCHESTER—Beaumonts (Manchester) Ltd., Victoria Park.
NEWCASTLE—G. M. Carter (Agencies) Ltd., Jesmond.
SCOTLAND—W. Gibson & Co. Ltd., St. James Street, Paisley.



Happy is the Architect who has specified **BRIGGS**

It is a load off any architect's mind to know that Briggs Roofs have the answer to most roofing problems. And, that trained engineers, available in any part of the country, co-operate from the beginning and carefully superintend the roof construction. Full technical details and specifications on request.

above all specify a **roof by**

BRIGGS

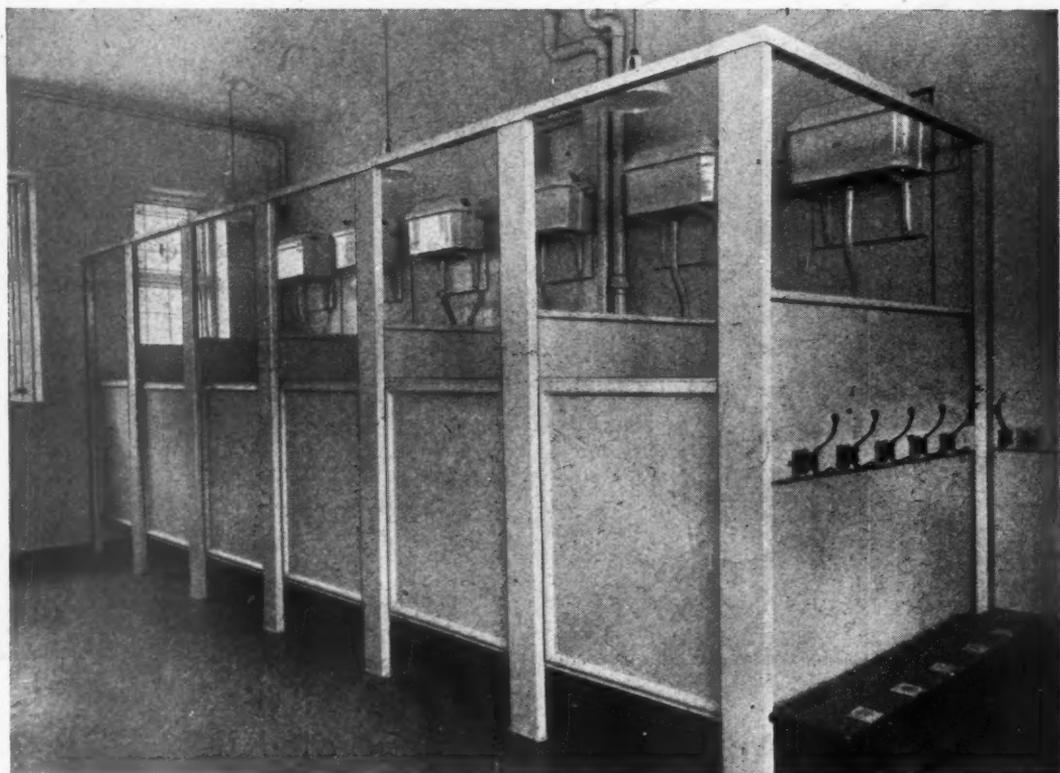
CRAFTSMEN IN ROOFING AND WATERPROOFING

WILLIAM BRIGGS & SONS, LTD., DUNDEE.

LONDON. Vauxhall Grove, S.W.8.

BRANCHES: ABERDEEN EDINBURGH GLASGOW LEICESTER LIVERPOOL NORWICH

FOR THE NEW SCHOOLS



HOPE'S STANDARD PRESSED STEEL LAVATORY CUBICLES

are strong, hygienic and inexpensive, and can be rapidly erected after walls and floors are finished

SEND FOR LIST NO. 242
HENRY HOPE & SONS LTD., SMETHWICK, BIRMINGHAM
LONDON: 17 BERNERS STREET, W.1.

In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then be added to the subscription list as soon as possible. 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 17s. 6d. each; carriage 1s. extra.



NEWS

THURSDAY, January 27, 1949
No. 2816 VOL. 109

News	89
Design by Hubert Worthington ..	90
This Week's Leading Article ..	91
Astragal's Notes and Topics ..	92
Letters	93
Lambeth Competition, Winning Design	94
In Parliament	94
Offices at Darlington. By Sir John Burnet, Tait and Partners ..	95
House at Bishop's Stortford. Designed by Donald R. Stewart ..	100

DIARY FOR JANUARY FEBRUARY AND MARCH

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 given in the glossary of abbreviations on the front cover.

CANTERBURY. *RIBA New Schools Exhibition.* At Canterbury School of Art. (Sponsors, RIBA and Kent CC.) FEB. 2-8
EASTBOURNE. *Newer Heat Exhibition.* At the Assembly Hall, Town Hall, Eastbourne. (Sponsor, C.U.J.C.) UNTIL FEBRUARY 9

LONDON. *A Course of Six Lectures on Timber.* Philip O. Reece. *Timber as an Engineering Material.* Jan. 27. R. T. Walters. *Framed Timber Structures.* Feb. 7. R. T. Walters. *Glued Laminated Timber Structures.* Feb. 17. H. A. Cox. *Timber as a Raw Material.* D. A. Hubbard. *Modern Adhesives—Their Present and Future Application.* March 10. B. A. Jay. *New Woods for Old—Some Alternatives to Traditional Timbers.* March 21. All lectures begin at 7.15 p.m. and will be held in the Fyvie Hall at the Polytechnic, Regent Street, W.1. (Sponsor, TDA.)

JAN.-MARCH
A Series of Papers on Industrial Design. Gordon Russell. *The Industrial Designer's Responsibility.* Feb. 2. Robin Darwin. *The Training of the Industrial Designer.* Feb. 16. John Gloag. *British Industrial Design and World Markets.* March 2. At the RSA, John Adam Street, W.C.2. (Sponsor, RSA.) All meetings begin at 2.30 p.m. FEB.-MAR.
Design Fair. At the Whitechapel Art Gallery. (Sponsor, CID.) UNTIL JAN. 29
Engineering Equipment and Materials Exhibition. At the Old Horticultural Hall, Vincent Square, S.W.1. (Sponsor, "Britain's Best" Exhibition.) UNTIL FEB. 9
Exhibition of Visual Aids. At the Murray House Exhibition Hall, Vandon Passage, Petty France, S.W.1. (Sponsor, CID.) UNTIL FEB. 28

FAS and FS (Eng.) West London and Middlesex Branch. *Annual Dinner and Dance.* At the Dorchester Hotel, Park Lane, London. Tickets from L. M. Rose, 35-37, Maddox Street, W.1. JAN. 28
Clive Williams. Director of the West Midlands Plan. *The Cinema and Town and Country Planning.* At 53, New Oxford Street, W.C.1. (Sponsor, British Kinematograph Society.) FEB. 2

Professor W. G. Holford. *Design in City Centres.* At Caxton Hall, Westminster. (Sponsor, TPI.) 5.30 p.m. FEB. 3
Cyril H. Walker. Housing Director. *Housing Programme of the London County Council.* At the Institution of Structural Engineers, 11, Upper Belgrave Street, S.W.1. 6 p.m. (Sponsor, National Amenities Council.) FEB. 4

RIBA Presidential Address to Students and Presentation of Prizes. Criticism of work submitted by Anthony Chitty. At the

RIBA, 66, Portland Place, W.1. 6 p.m. FEB. 8
F. J. Samuely. *Force and Form: The Aesthetics of Stress Distribution.* At the RIBA, 66, Portland Place, W.1. (Sponsor, ASB.) 6 p.m. FEB. 15
Professor Anthony Blunt. *Mannerism in Architecture.* At the RIBA, 66, Portland Place, W.1. (Sponsor, RIBA.) 6 p.m. FEB. 22

Sir Cyril Fox. *Building Techniques and House-Plans in the 15th to 17th Centuries: A Monmouthshire Survey.* Two public lectures to be given in the Anatomy Theatre, Gower Street, W.C.1. (Sponsor, University College, London.) 5 p.m. FEB. 22 AND MAR. 1

S. Hyde. *The Georgian House.* In the Anatomy Theatre, Gower Street, W.C.1. (Sponsor, University College, London.) 1.15 p.m. FEB. 24
Ideal Home Exhibition. At Olympia. (Sponsor, The Daily Mail.) MAR. 1-26
The Architect's Place in our Education. At the AA, 34/6, Bedford Square, W.C.1. Joint members and students' evening. (Sponsor, AA.) 7.45 p.m. MAR. 2
R. C. White-Cooper. *Italian Renaissance Architecture.* In the Anatomy Theatre, Gower Street, W.C.1. (Sponsor, University College, London.) 1.15 p.m. MAR. 3

Information Sheets :

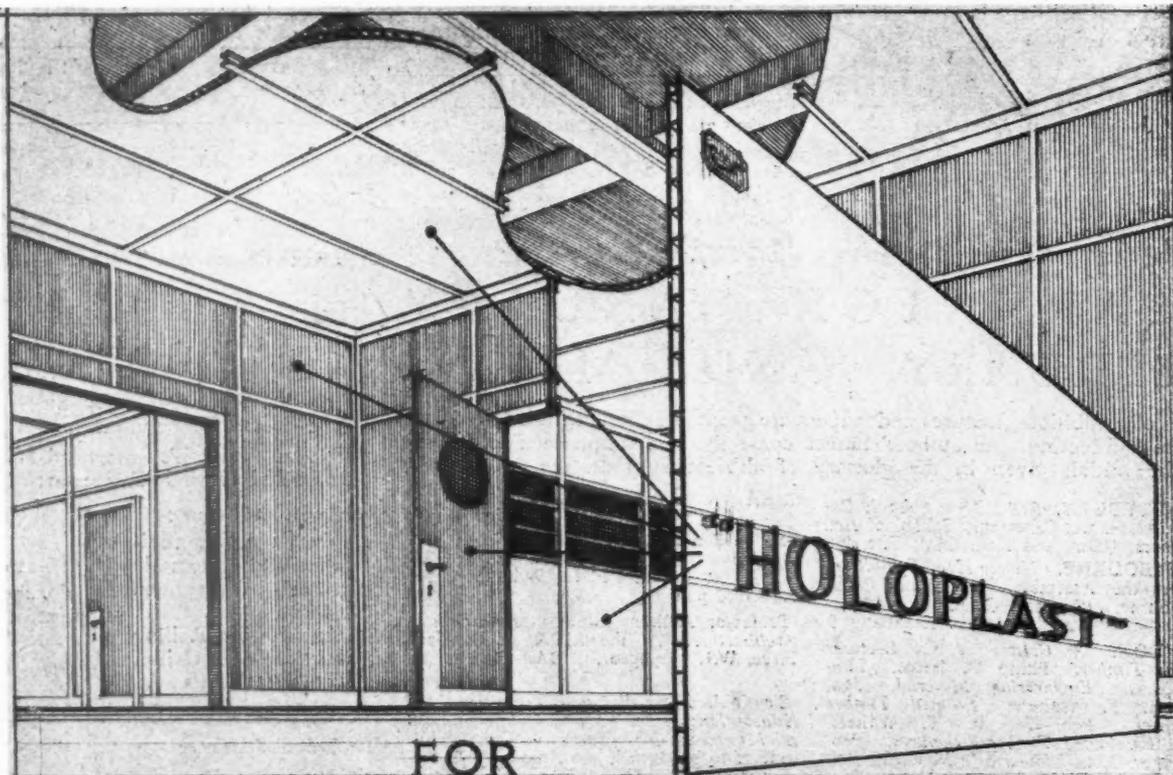
S.37 Hi Intercommunicating and Automatic Internal Telephone Systems	} To face page 102
23.H1 Haskins Rolling Shutters and Grilles 1: General Data ..	
Societies and Institutions	103
Technical Section :	
Information Centre	104
The Industry	107

Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis.

★ 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.



The first Health Centre to be approved by the Minister of Health, has been designed for Woodberry Down Housing estate, Stoke Newington, by Mr. R. H. Matthew, Architect to the LCC. The building will cost approximately £187,000 and work will begin on the site in February. Five units will be accommodated in the centre. They are medical practitioner's and dental surgeon's; school health; child welfare; ante-natal and remedial exercises and child guidance.



FOR
MODERN ARCHITECTURE

GOOD DESIGN • RAPID ERECTION • STRUCTURAL STRENGTH

All three are essential for efficient post war planning
 All three can be achieved by using "Holoplast" laminated structural plastic panels

100 FOOT RUN OF OFFICE PARTITIONING CAN BE ERECTED IN 6 MAN/DAYS
 complete with doors, glazing, skirting etc.

Prefabrication technique can be exploited to the full so that the final erection can be
 carried out with the minimum of disturbance to office staff working in the same building

Write for further particulars • Full technical service facilities available to assist architects
 and builders in making the best use of this modern structural material

HOLOPLAST LTD

Head Office and Works • New Hythe • Near Maidstone • Kent

Authorised Distributors for the United Kingdom

- | | | |
|-----------------------------|---|--------------------------------|
| DENNY, MOTT & DICKSON LTD | — | L. KEIZER & CO. LTD |
| CABRIEL, WADE & ENGLISH LTD | — | METROPOLITAN PLYWOOD COMPANY • |
| GLIKSTEN PLASTICS | — | VENESTA LTD |

C.M.43.



L
C
A
r
i
s
t
i
h
c
s

A
M
A
c
f
t
i
h
i
c
t
h

From AN ARCHITECT'S Commonplace Book

ON ENTERING THE HOME. [From *The Things We See—Houses*, by Lionel Brett (Penguin Books).] Architecture is the manipulation of space. It can be squeezed, strung out, stopped, released and recaptured—so that our progress through a building is an adventure in space, just as a symphony is an adventure in sound. From the "lobby," . . . we should emerge into the living room with the same sense of release as when we pass from a porch into a cathedral nave. But with this difference, that cosiness is not demanded of cathedrals. It may be easy on halcyon days with bluebottles zooming in and out, to forget the oily drizzle or the steely wind through which a man fights back towards his home, his mind full of what Freudians may call nostalgia for the womb, but which he identifies with crumpets and carpet slippers. But to ignore either mood is fatal, and it is this polarity between spaciousness and cosiness which makes the making of a lovely living room so teasing a problem.

A CONFERENCE ON INDUSTRIAL BUILDING is to be held at the RIBA on March 3 and 4.

Architects will have an opportunity of discussing with industrialists the problems of factory planning. At no time in the industrial development of the country has the provision of good factory building been of greater importance and the part which well-planned factory accommodation can play in increased productivity is beginning to be universally recognised. It is felt that such a conference would give architects an opportunity of discussing with industrialists some of the many problems which arise in factory planning and will enable the architect to obtain from the industrialist much information concerning the needs of industry. The programme of the conference is: March 3, Large and Small Scale Industry under Private Practice; chairman, Sir Percy Thomas; speakers, Lord Forrester, Anthony M. Chitty, Paul Cadbury, C. S. White. Session II.—Nationalized Industries; chairman, Lord Citrine; speakers, Kenneth Campbell and a representative from Industry. March 4: Session III.—Technical Groups: (i) Structural Techniques, W. S. Atkins, Edward D. Mills; (ii) Heating and Ventilating, Thomas Bedford, L. Copeland Watts; (iii) Natural and Artificial Lighting, W. A. Allen, R. O. Ackerley; (iv) Various Factors Affecting Working Conditions, H. G. Maule, Dr. N. Davis. Session IV.—Reports from the Technical Groups and discussion on the more interesting points; chairman, Michael Waterhouse, President, RIBA. Application for tickets.—Architects wishing to attend the conference should write at once to the Secretary, RIBA, when an application form will be sent. Letters or postcards should be clearly marked "Industrial Conference." Tickets will be issued in strict rotation. Latest date for applying is February 12. Exhibition.—In conjunction with the conference an exhibition of Industrial Architecture will be on view from March 1 to 26 inclusive at the RIBA, open to the public weekdays from 10 a.m. to 7 p.m. (Saturdays, 10 a.m. to 5 p.m.). The exhibition will show the most recent developments in the planning of industrial buildings both in this country and abroad. In addition to the design of factory buildings, it will also deal with the problems of siting, landscape and the provision of amenities, the final section giving a brief historical survey of factory development.

Mr. Bainbridge Copnall has won the COMPETITION open to members of the ROYAL SOCIETY OF BRITISH SCULPTORS.

The competition was for a fountain to be placed in a formal garden in Victoria Park, London. Mr. Bainbridge Copnall's design has been approved by the Parks Committee of the LCC. This is the second commission

to be given as a result of a competition organized by the Constance Fund. The first commission was given to Mr. William McMillan for a group of sculpture to be erected as a fountain in the centre of the large basin in Queen Mary's Gardens. It is now being cast in bronze.

The LCC propose TO ENLARGE RAVENSCOURT PARK.

A Public Inquiry has been held by MOTCP into an application by the LCC for a compulsory purchase order for land adjoining Ravenscourt Park, Hammersmith. The LCC said it was intended eventually to add about eight acres to the park. The present scheme, the first phase, involved 1,707 acres, including land now occupied by temporary

houses. Objections to the scheme were raised by owners of property involved in the proposed extension.

★

A CEMENT PRODUCTION RECORD for 1948 was announced by Lord Selborne, Chairman of the Cement Makers' Federation.

Lord Selborne stated that the production of 8,521,543 tons of Portland cement was 3.8 per cent. higher than the figures of the previous best year, 8,212,366 tons in 1939. The record production figure has been achieved without any additional production equipment. New works and extensions which will substantially increase output are in hand.



Sir Patrick Abercrombie has just returned from a visit to Australia. During the tour he made inspections of all the State capitals, including Canberra, accompanied by Government town planners. He studied city centres, the work of the housing commissions, industrial location and open spaces, and was closely questioned on English practice with regard to the new Town and Country Planning Act, and details of planning administration. He discussed education, legislation, and the necessity for research into standards, suitable to Australia, with interested authorities in the various State capitals and, at the request of the Town Planning Institute of Great Britain, town planning education with the professional institutions of the Dominion. On his return from Australia, Sir Patrick paid a visit to Singapore and discussed housing and town planning problems with officials of the Singapore Improvement Trust. During his short stay, Sir Patrick Abercrombie opened a Housing and Town Planning Exhibition at the British Council centre, when he stressed the need for the co-ordinated planning of Singapore, as at present there are in parts of the city densities of 1,000 people to an acre. The photo shows Sir Patrick opening the exhibition. Seated next to him on his right is the Governor of Singapore, Sir Franklin Gimson.



Design by Hubert Worthington

Hubert Worthington, who was awarded a knighthood in the New Year Honours List, is well known for his work in Oxford, Cambridge and Manchester, where he practises, as an architect for the Imperial War Graves Commission, and for his proposals for the Inner Temple, illustrated in

the JOURNALS for April 15 and May 6, 1948. The entrance hall of one of his best-known buildings, the Library at New College, Oxford, is shown above, and illustrates clearly the delicate detailing of the classical idiom in which he works.

Mr. JACK PRITCHARD is to study domestic heating in the USA.

Mr. Jack Pritchard, who recently resigned from the Board of Harris Lebus, Ltd., is leaving England at the beginning of February for a two month visit to the USA to study the latest developments in domestic heating. He has also arranged to visit some of the large furniture factories. Mr. Pritchard spent 10 years with Venesta Ltd., and left them to develop new techniques in plywood construction and started the Isokon experiment. He also built one of the early modern buildings in London, Lawn Road flats, designed by Mr. Wells Coates. During the war he was Assistant Director of Statistics at the Ministry of Supply, and then joined the Ministry of Fuel and Power for whom he led a joint mission with DSIR to study the American experience in small house heating. Later, Mr. Pritchard was appointed to the Furniture Working Party as an independent member.

★

Evidence is requested by the COMMITTEE ON HOUSES OF NATIONAL IMPORTANCE on the preservation of buildings.

The committee drew up a preliminary list of bodies and persons to be invited to submit evidence. Sir Ernest Gowers is chairman of the committee which was recently set up by the Chancellor of the Exchequer "to consider and report what general arrangements might be made by the Government for the preservation, maintenance and use of houses of outstanding historic or architectural interest which might otherwise not be preserved, including, where desirable, the preservation of a house and its contents as a 'unity.'" Those who wish to submit evidence should write to the secretary, A. E. L. Parnis, at Treasury Chambers, Great George Street, S.W.1.

NEWS IN BRIEF**Shopping centre for Grangemouth.**

Permission for a shopping centre to be built to serve the expanding housing area to the east of Grangemouth is being sought by the Town Council from the Department of Health for Scotland. A further 900 houses are to be built in the area for incoming key workers for the extensions to Scottish Oils, Ltd., and ICI, Ltd.

Mr. Brian Bunch, chief assistant architect, Coventry, has been appointed deputy architect and planner to the Stevenage Development Corporation.

Buckingham House, Portsmouth,

has been bought by A. R. Thomas, a local architect, who has restored it for preservation. Built early in the sixteenth century as the Spotted Dog Inn, the house is also the only one of the historic residences in the High Street to survive the heavy bombing that devastated Old Portsmouth during the war.

The British Standards Institution

has elected new officers. At a recent meeting of the General Council, Mr. Roger Duncalfe was elected Chairman of the General Council in succession to the late Sir Clifford Paterson, F.R.S.; Mr. John Ryan, M.C., was elected Chairman of the Finance Committee; and Mr. Herbert J. Manzoni, C.B.E., was elected Chairman of the Building Divisional Council in succession to Mr. Sydney Tatchell, C.B.E.

ECONOMIC SANCTIONS

RECENT correspondents in the JOURNAL have suggested that the profession is becoming seriously overcrowded and that more stringent methods must be adopted to limit the intake of new students. There is some probability, however, that the intake may be steadily reduced in future in the least satisfactory manner—by economic pressure.

A large proportion of the students in most architectural schools are still dependent on their Service grants to see them through their course. New students now beginning training get no such help, and in spite of the help of the Board of Architectural Education there will be fewer and fewer potential architects whose parents can bear the high cost of the five years' training. The view that the grants are only required because ex-Service students have in many cases additional commitments, and that younger students just leaving school will manage all right is not supported by an examination of the increasing costs of architectural training.

The tentative figures given in the MARS/Arch.SA report, though disputed by the RIBA,* can at least be regarded as an indication of the fact that a large proportion of those entering the profession are compelled, as a result of inadequate financial backing, to do so by a method which is generally regarded as providing a mediocre training.

Until 1939 it was possible to get the best possible architectural training in this country for about £1,000. This sum enabled the student whose home was at some distance from the nearest school to live in lodgings during the term under reasonably satisfactory conditions and also to take advantage of such cultural opportunities as a large city provides. Of course, there were a number of schools for which an appreciably smaller sum was required.

Today the cost has been at least doubled. This increase is due more to the general rise in the cost of living than to the rise in school fees, though the latter have risen sharply. One result of this increase has been the tendency for students to continue to live at home even if considerable distances have to be travelled between home and school. The university period of the student's life has always been regarded as particularly valuable as it gives him an opportunity for an independent and self-controlled existence away from his family. This opportunity is perforce denied to those who cannot afford to live in rooms or lodgings. Moreover, the rush for the homeward train does not allow the long discussions on the nature of architecture and life which are a necessary part of architectural education, nor is there time or money for contact with other arts, cinema, theatre and music. If the problem of fees and other expenses bears heavily on students, it bears no less heavily on the schools. Most schools have maintained their fees at a dangerously low level in relation to the cost of providing an adequate training. It is almost certain that

* The RIBA's reply to this report, with comments by the MARS/Arch.SA committee will appear in next week's issue of the JOURNAL.

further increases in fees will be inevitable unless some substantial aid is provided.

Architectural education has been the subject of much interest and discussion and many unsatisfactory aspects of the present situation have been examined. Any improvement, however, means increased costs, higher salaries to staffs and at present this can only be found through increased fees.

Architecture is going to be denied the services of many able young men if this situation persists. The Ministry of Education, which has shown so generous an appreciation of the needs of general education, will have to open its purse strings, and the University Grants Committee will have to lend its aid. If help is to be given, it must be given generously and to the independent schools as well as University ones, for the former have, up to the present, made the greatest contribution to the development of architectural education.

While today there may be more architectural students than the profession can absorb at the moment, it should not be possible to say also that architecture is a profession open only to the wealthy.



The Architects' Journal

9, 11 and 13, Queen Anne's Gate, Westminster S.W.1

Phone: Whitchall 0611

N O T E S

&

T O P I C S

SOUTH BANK REVIEWED

Last week, before an impressive assembly which included a duke, three cabinet ministers, a miscellany of peers and journalists, mayors and newsreel men, PROs and a ruffianly-looking type with gold ear-rings, Mr. Herbert Morrison set in motion the first pile-driver to start work on the new south wall of the Thames. As I watched his beaming face behind the battery of microphones, it seemed only yesterday

that I had seen him at a similar ceremony—launching the demolition of Waterloo Bridge: . . . And there, as large as life behind him, white and taut in the January mists, stretched its successor, an encouraging witness that *sometimes* the promises of cabinet ministers come true.

*

The compressor cap rattled authoritatively, the seagulls screamed, Mr. Costain looked less strained, the mayoral chains chinked with pleasure. It was a pleasant occasion and a great day for all lovers of London. . . . And yet . . . as we all straggled off home—Mr. Morrison clasping the granite bookends which (suitably inscribed) had been presented to him as a memento, the mayors to their official cars, the ruffianly-looking type presumably to his caravan, doubts entered my mind and blew disconsolately around like the dead leaves playing round my feet (yes, I was walking along that deserted, gaunt and unappetising promenade in front of County Hall). Would Mr. Morrison's new wall contain just such another stony desert? Could a new embankment or even the happy memories of a successful 1951 Exhibition bring by themselves a genuine life to this forgotten area however handsomely re-styled?

*

Certainly the reconstruction on the South Bank of Shakespeare's Globe

Theatre—suggested by Mr. Morrison in his opening speech and described next day by the *News Chronicle* as "the most unnecessary idea of the year"—was no solution, though it showed commendable anxiety lest the newly won area sink nightly into deserted gloom. "How much better," continued the *News Chronicle*, "the idea put forward in the current issue of the *Architectural Review* for a promenade built over the river, following the curve of the bank from Westminster to Bankside and carrying a cheerful load of restaurants, pubs, cafés and cinemas. Here would be a useful and engaging link between the different Bankside zones of industry, residence and entertainment, and a genuine contact with the river itself."

*

The scheme, which follows the City of London and the Westminster precinct in the *Review* series, is served up with the usual Cullenary skill and has rightly received considerable attention in many places. It is said to be engaging the attention even of the Festival organizers, though I suspect shortage of wood and steel will prevent its realization by 1951. Congratulations, anyway, to the *Review* for once again putting over a stimulating idea, and let us hope it gets attention in the right places.

NEWTON AND MACCOLL

The death of W. G. Newton means one less among the rare company of architects who have supported modern ideas without being iconoclasts and upheld tradition without being reactionaries. He inherited a splendid tradition from his father, Ernest Newton, who has never, I have always thought, been given enough of the credit for the revival of a sane English domestic vernacular in the second half of the nineteenth century. His name should certainly stand alongside the more frequently quoted names of Philip Webb, Voysey, Baillie Scott and the young Edwin Lutyens.

*

His son put many of his father's ideas not only into his buildings but into his teaching (he was Professor at the Royal College of Art), his writing (I have just been looking again at his little book, *Prelude to Architecture*, published in

LETTERS

J. S. Williams

H. Anthony Clark, F.R.I.B.A.

Solid Fuel Cookers

SIR.—I must protest at the summary way in which Mr. N. P. V. Keen dismisses the solid fuel cooker in his letter on the BRS Heating Trials in your issue of December 30. It was made clear in the discussion on Mr. Eve's paper at the RIBA that the details published so far were only a preliminary study under artificial conditions simulating actual occupation of the houses, and that it would be most unwise at this stage to attempt to reach any conclusion except with the greatest reserve.

The report on the trials points out that "it is possible that there may be some inequalities, particularly in the matter of solid fuel cookers." This is more than likely, especially as the method of operation "consisted of burning away five pounds of fuel fast to represent the cooking of each meal." Surely, one of the advantages of a solid fuel cooker is its ability to provide steady cooking and hot plate facilities at a slow rate of fuel consumption without this need to "boost" the fire (and the fuel consumption) for every meal. A competent housewife will plan her catering accordingly. It must also be remembered that solid fuel cookers are invariably designed to supply full domestic hot water requirements, and therefore serve a triple function.

The running costs of the house with the free-standing solid fuel cooker and water heater have been based on the use of anthracite French nuts. Many makes of this type of appliance, however, are designed to operate on ordinary kitchen nuts or coke; this might reduce the annual fuel cost by as much as £7 or £8, and would bring the running costs of this particular combination down to the level of the other two-stage systems.

Finally, I would draw your correspondent's attention to the house temperatures maintained by the various experimental systems. The "house mean" with the solid fuel cooker installation is 4 deg. F. above the next highest, one of the centrally heated houses. This is one reason why the solid fuel cooker will continue to maintain its popularity, particularly in the North of England, and may help to explain the increasing use being made of this type of appliance by local authorities and private individuals in all parts of the country.

London.

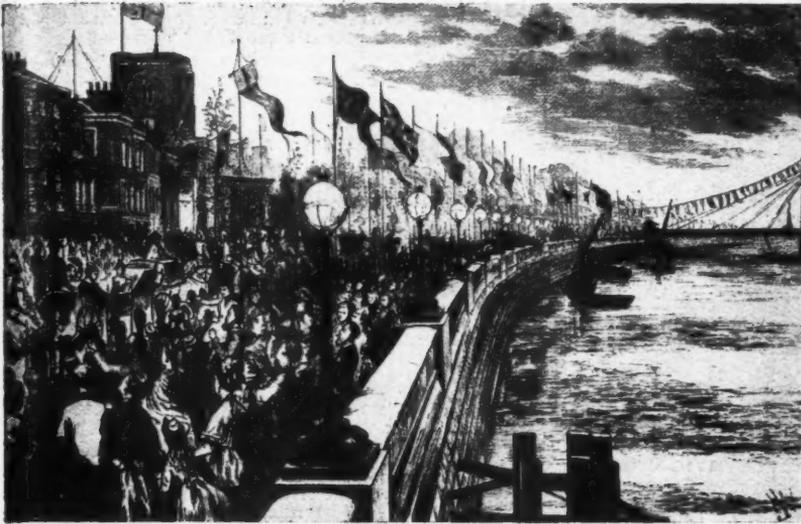
J. S. WILLIAMS.

A Capital for Wales without an Architect?

SIR.—If Cardiff has decided not to appoint a City Architect then, I suggest, that her present claim to become the capital of Wales is presumptuous.

Looking to the future, as much as to the past, we have the right to expect our capital cities to be foremost in both the preservation and the promotion of civic culture, of which architecture is the basis. Especially would this apply to the capital of a country possessed of so much tradition in art and with such strong nationalistic feelings as Wales.

The apparent inability of the present members of the City Council to appreciate their responsibilities towards such a trust will, I



The long row of cast-iron lamp standards, referred to in Astragal's note below, are shown clearly in this picture, taken from a contemporary number of the Illustrated London News, describing the opening of Chelsea Embankment by the Duke of Edinburgh in 1874. The Embankment was among the many improvements carried out by Sir Joseph Bazalgette, chief engineer to the Metropolitan Board of Works.

1925, which is full of wise sayings) and his work as editor of *The Architectural Review*.

The Review, strangely, has lost two ex-editors in the same month. D. S. MacColl was almost a generation senior to Newton and was not, of course, a practising architect. He was a scholar, a museum director (he was Keeper of the Wallace Collection and the Tate Gallery) and, above all, a vigorous campaigner on all sorts of public issues. It is sad that he just did not live long enough to enjoy the onslaughts on the Royal Academy that the current exhibition of the Chantrey pictures has occasioned. For he was the moving spirit behind the first of the many attacks that have been made on the administration of the Chantrey bequest. He was the author, as long ago as 1903, of the famous article in the *Saturday Review*, plainly titled "The Maladministration of the Chantrey Trust," which led to the setting up of the Select Committee of Peers in the following year, a committee that roundly condemned the policy of the Royal Academy.

FINE ART COMMISSIONER

So Louis de Soissons is to be the new member of the Royal Fine Art Commission in place of Sir Patrick Abercrombie, who apparently finds he is too busy flying all over the world and planning its major cities before it is too late. Mr.

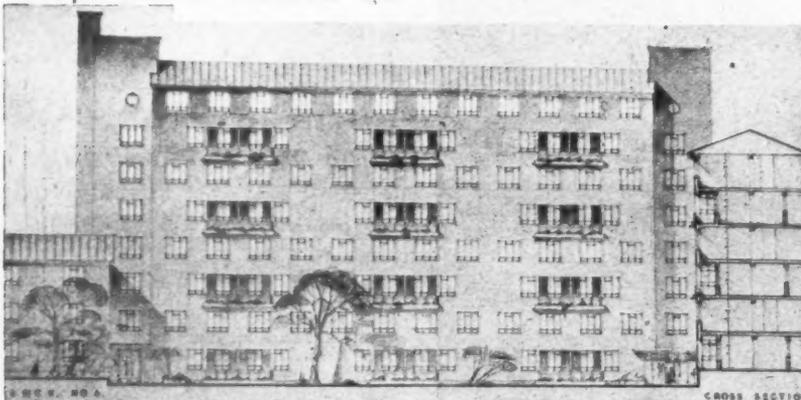
de Soissons is best known as the designer of most of the buildings in Welwyn Garden City that give it its specific character. There is probably no town in England whose character and atmosphere is so familiar to people all over the world as this. Besides being Surveyor to the Duchy of Cornwall estate, Mr. de Soissons is consultant to the Foreign Office on Carlton House Terrace, and, as one might imagine from the Gallic sound of his name, he is one of the few English architects entitled to add the mystic letters SADG to his qualifications.

LIGHTS OF LONDON

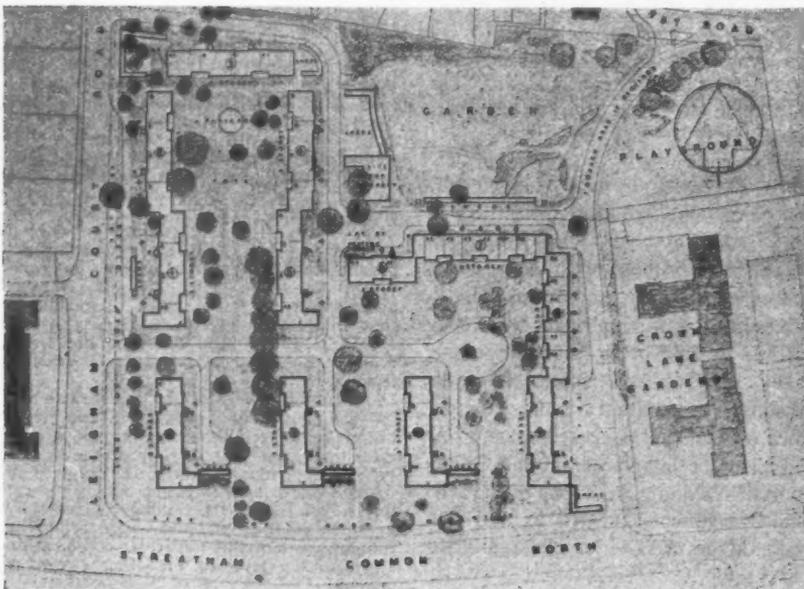
My illustration this week shows the opening of the Chelsea Embankment by the Duke of Edinburgh in 1874. Prominent in the foreground are the cast-iron lamp standards which were the subject of a paragraph in *The Times* recently. LCC workmen had been seen removing them, and so often does the public have to accept as an accomplished fact the destruction of things it would certainly wish preserved if given a chance to say so, that it was a relief to learn that these characteristic specimens of Victorian cast-iron work were only being taken away for repair. The LCC seems to have been a bit evasive as to when they were coming back, but they will now know that the situation is being watched.

ASTRAGAL

LAMBETH COMPETITION — WINNING DESIGN

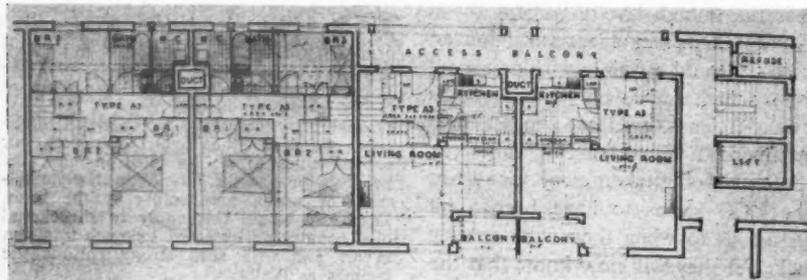


SOUTH ELEVATION OF BLOCK No. 7



SITE PLAN

Mr. W. F. Howard, F.R.I.B.A., London, has won the Leigham Court Road Housing Scheme competition promoted by the Lambeth Borough Council. Messrs. M. H. Forrest and J. B. Forrest, A.A.R.I.B.A., Cuffley, have been awarded second place. Messrs. Gollins, Melvin and Partners, London, third. The assessor was Mr. C. H. James, R.A., F.R.I.B.A. The premiums were £500, £200 and £100. In his report the assessor says: "77 designs were submitted and of these a large number reached an exceptionally high standard. In consequence, I feel it necessary, in addition to placing the first three competitors, to commend the work of no less than thirteen others. The design placed first is of outstanding all-round merit. The elevations are first-class and the planning of the individual dwellings almost faultless. The rooms are of good shape and properly orientated, and I would call particular attention to the ingenious planning of the sanitary arrangements and plumbing ducts. The cost of this scheme is estimated at £303,159 15s. od. The photographs show three drawings of the winning design. The competition designs will be illustrated in a later issue."



SLEEPING FLOOR LIVING FLOOR
MAISONNETTE PLAN OF BLOCK No. 7

hope, be borne in mind by the Prime Minister when he considers the suitability of Cardiff as a capital for Wales.

H. ANTHONY CLARK.

Wrexham

In Parliament

When the House of Commons met again last week after the Christmas recess the Minister of Health, Mr. Aneurin Bevan, was asked by a Labour Member to state the reasons for the decline recently in permanent house building. The Member, Mr. H. Lewis Austin (Lab.—Stretford) also wanted to know what was the average projected figure per month for the ensuing year. Mr. Bevan's reply was: "The number of new permanent houses completed in the 12 months ended November 30, 1948, was 205,274 as compared with 121,082 for the 12 months ended November 30, 1947, and the fluctuations month by month have been no more than was to be expected in a programme of this magnitude. The programme has now reached a stage where it can be judged on its achievements better than on forecasts."

Mr. Austin further questioned the Minister as to when he expected to receive revised housing lists from local authorities, and if he would publish the appropriate figures in the next local authority housing returns.

Mr. Bevan said he had asked for returns by March 31. After the figures had been examined he would consider the question of publication.

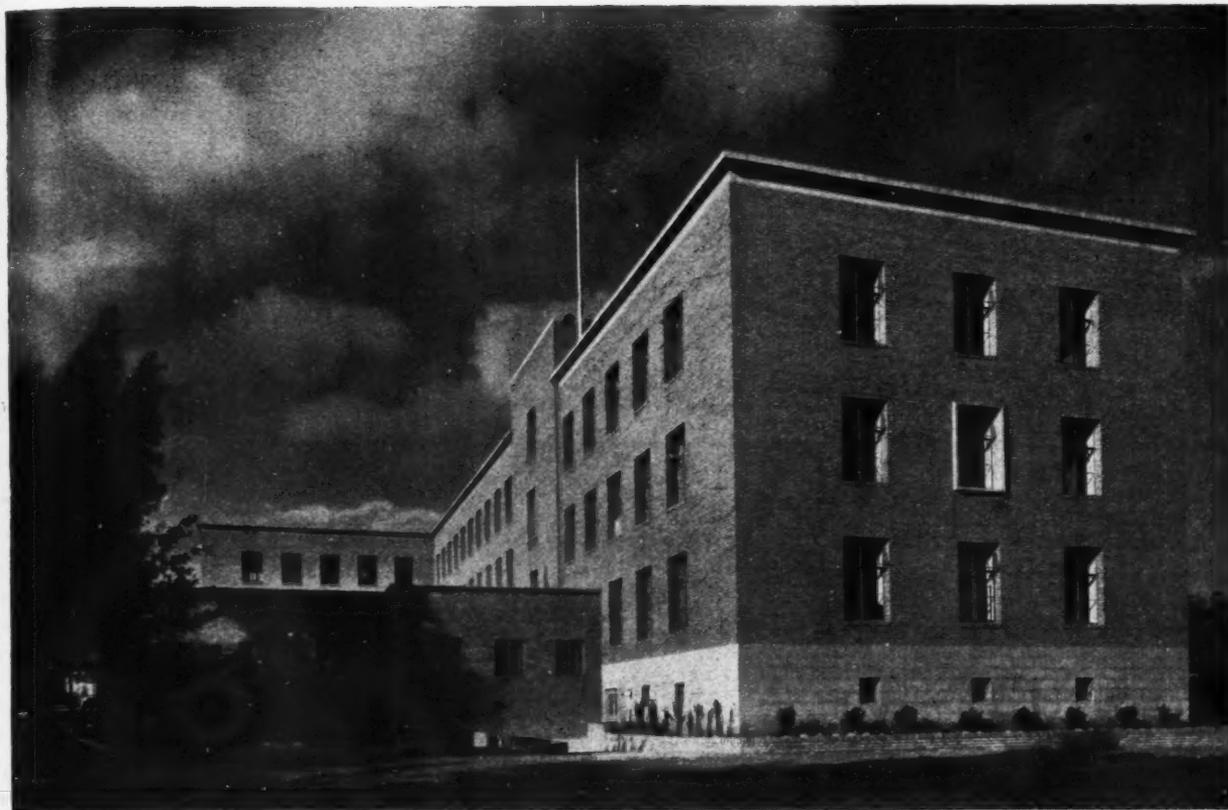
When Sir Waldron Smithers (Con.—Orpington) requested a census of Britain's houses on the lines of the 1931 census, to give a clear picture of the nature and conditions of the nation's dwellings. Mr. Bevan replied that one of the objects of the next census would be to obtain additional data concerning the housing of the people.

The Bankside Power Station controversy, which has occupied the attention of Members on a number of occasions during recent months, cropped up again at question time. Some Members fear that sulphur fumes thrown off by the oil-burning plant to be used in the new power station may harm the fabric of St. Paul's Cathedral. The Government, in reply, have stated that fumes of this nature can be eliminated.

Mr. Skeffington-Lodge (Lab.—Bedford) asked the Lord President of the Council if he would procure and publish the available evidence in respect of experiments made in recent years in America and Australia to discover whether buildings could be satisfactorily protected against the effects of harmful and noxious fumes emitted from oil-burning plants such as that proposed for the Bankside Power Station.

Mr. Herbert Morrison said that he was not certain to which particular experiments the Member was referring, and he would be glad to receive further details. He did not, however, accept the implication that the proposed oil-burning plant for the Bankside Power Station would emit harmful and noxious fumes. He reminded Mr. Skeffington-Lodge that the Minister of Fuel and Power (Mr. Hugh Gaitskell) had stated in November last year that the Government's technical advisers were satisfied that harmful sulphur fumes could be effectively eliminated.

In reply to a question by Mr. Odey, Mr. Glenvil Hall (Financial Secretary to the Treasury) said that under Section 31 of the War Damage Act, 1943, the Commission are empowered to extend the time limit for notifying war damage in particular cases. Up to October, 1946, all late notifications were accepted if they were supported by a Statutory Declaration. Since then about 75,000 late notifications have been accepted though increasingly severe restrictions have been imposed as the period of delay has grown longer.



From the south-west.

OFFICES AT DARLINGTON

BY SIR JOHN BURNET, TAIT AND PARTNERS

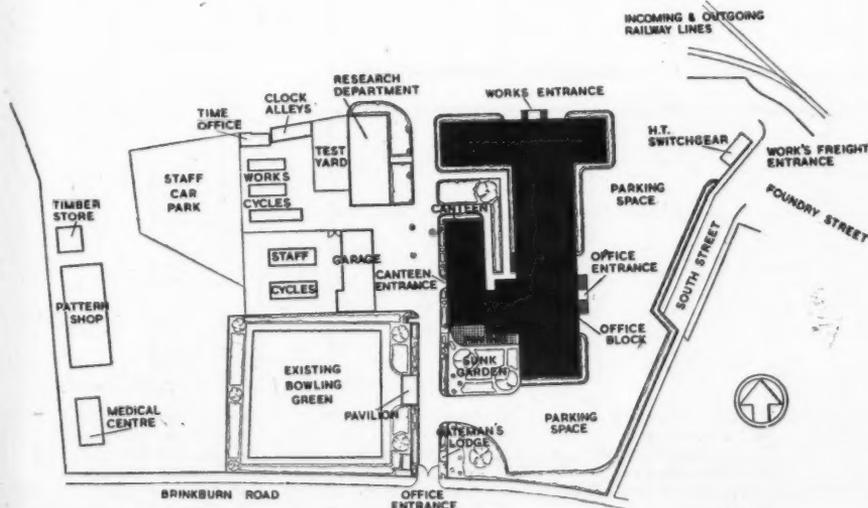
GENERAL.—The purpose of this scheme is to provide new office buildings for Whessoe Ltd., who design and build capital plant for the oil, gas, iron and chemical industries. In 1943 a study of

the space available in relation to expected post-war production led to the decision to carry out a major reconstruction scheme to cost £500,000.

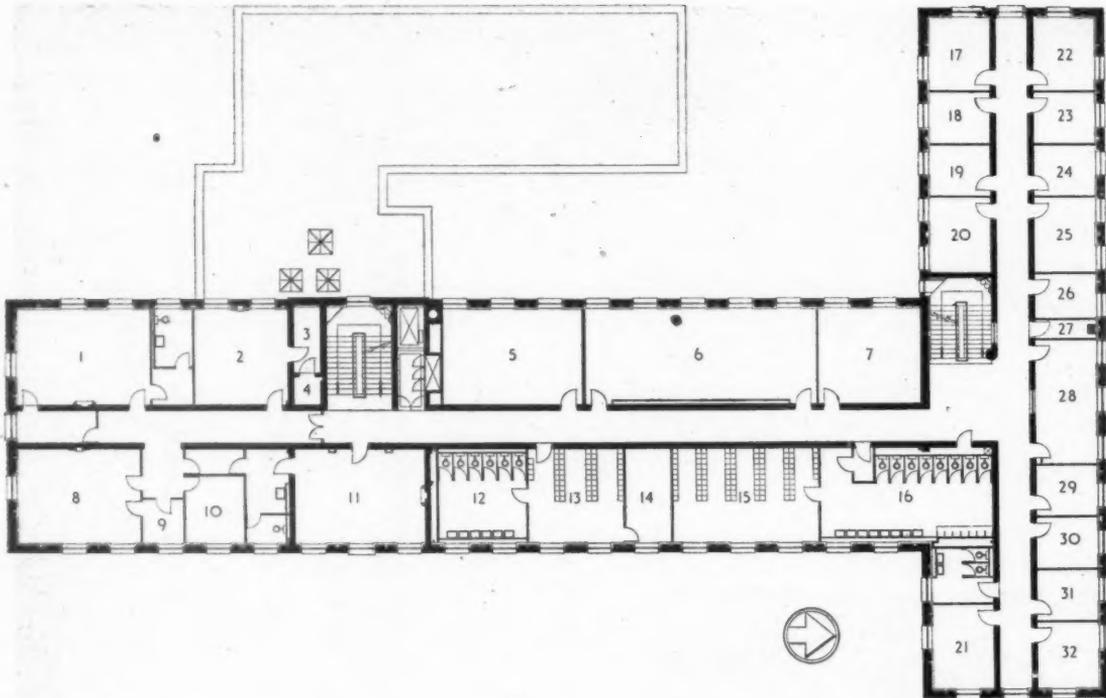
PLAN.—In order to minimise the

horizontal distance between departments a three-floor building was necessary. The building accommodates a total of 250 people. The location of the wages department on the ground floor adjoining the works entrance determined the position of cost accounts and accounting machine offices. Five per cent. of the working office space has been made available for storage in a semi-basement which accommodates a heating and ventilating plant and a social centre.

CONSTRUCTION.—Owing to the nature of the ground, it was necessary to build on a reinforced concrete raft. A structural steel portal frame was constructed in the basement to take the load of the area required for the main entrance hall. After excavation and preparatory to the construction of the raft the area was paved with old bricks and ashes overlaid with 2-in. blinding concrete. Asphalt tanking was then laid over the whole concrete surface and brought up the sides of the



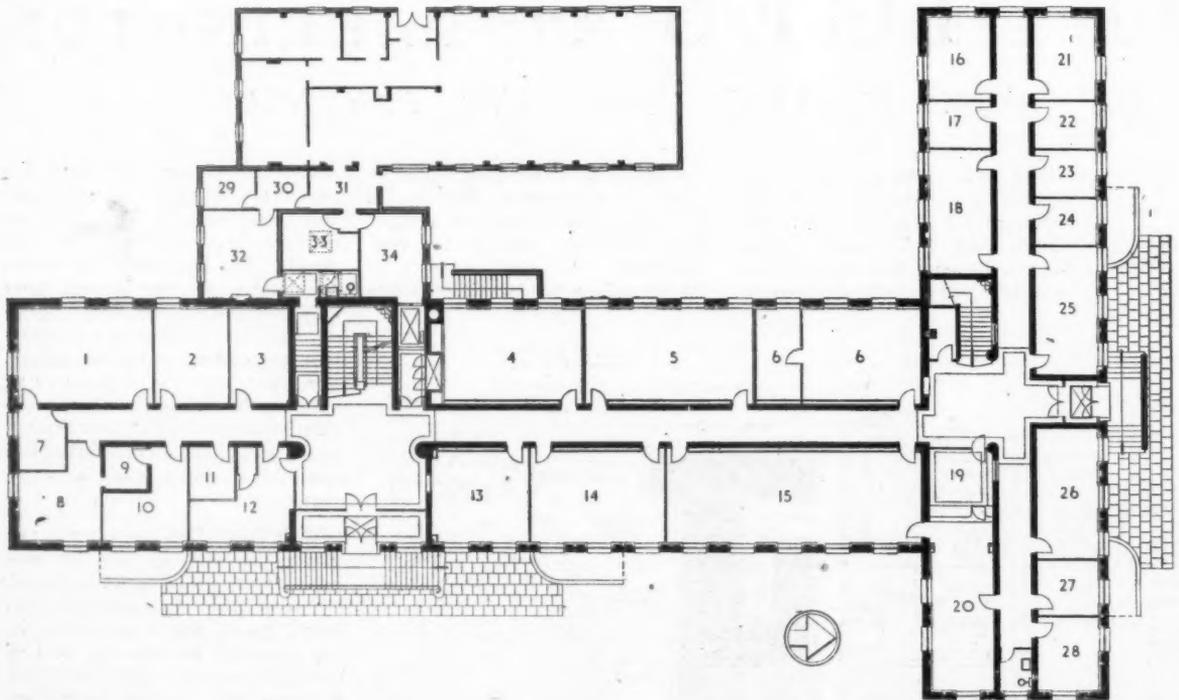
SITE PLAN



FIRST FLOOR PLAN

KEY TO PLAN :

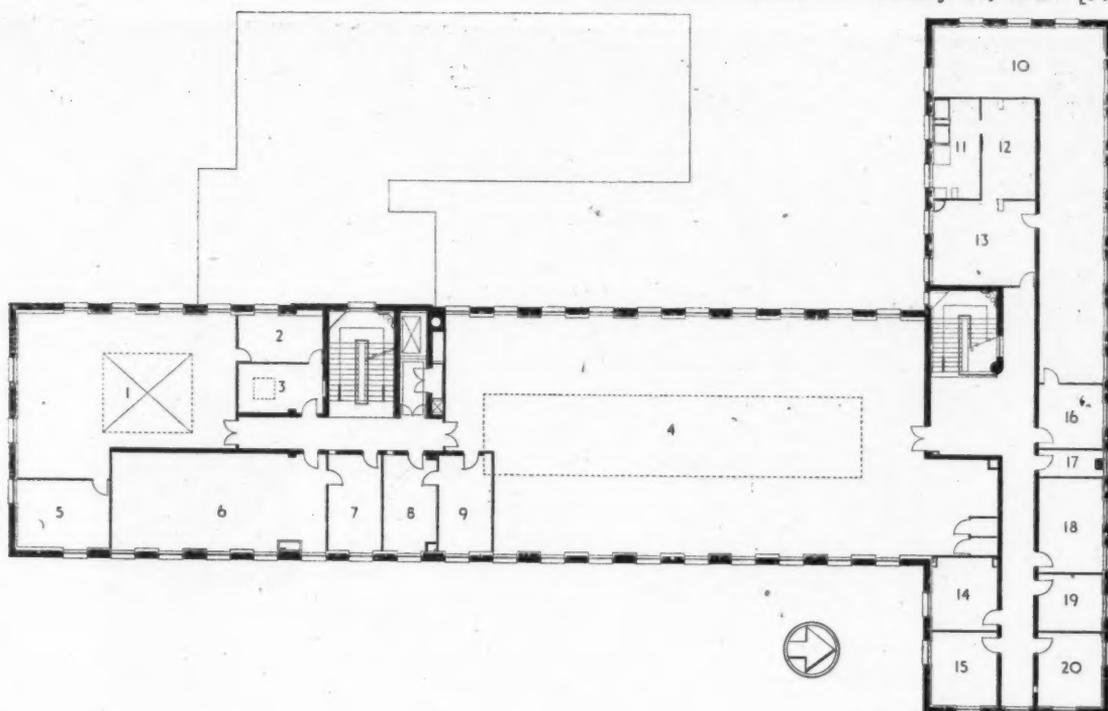
- | | | | | |
|-------------------------------|--------------------------------|-----------------------|--------------------|----------------------|
| 1. Managing Director's Office | 8. General Manager | 15. Men's Locker Room | 22. Technical | 29. Engineers |
| 2. Secretary | 9. General Manager's Secretary | 16. Male Toilet | 23. Technical | 30. Engineers |
| 3. Store | 10. Asst. Gen. Manager | 17. Chemical Engineer | 24. Technical | 31. Welding Engineer |
| 4. Strong Room | 11. Board Room | 18. Technical | 25. Technical | 32. Engineer |
| 5. Library | 12. Ladies' Toilet | 19. Technical | 26. Technical | |
| 6. Typing Department | 13. Ladies' Locker Room | 20. Technical | 27. Cleaner | |
| 7. Files | 14. Ladies' Rest Room | 21. Chief Engineer | 28. Erection Dept. | |



GROUND FLOOR PLAN (Scale : 1/8"=1'0")

KEY TO PLAN :

- | | | | | |
|-------------------------|---------------------------|--------------------------------|-----------------------------|------------------------------|
| 1. Buying Department | 8. Comm. Office Manager | 15. Wates Department | 22. Assistant Works Manager | 29. Canteen Manager |
| 2. Auditors | 9. Strong Room | 16. Erection Manager | 23. Inspection Engineer | 30. Wash-up |
| 3. Stationery Store | 10. Cashier | 17. Assistant Erection Manager | 24. Production Engineer | 31. Vegetable Bins |
| 4. Accounts | 11. Waiting Room | 18. Erection Department | 25. Works Department | 32. Directors' Dining Room |
| 5. Comptometer Machines | 12. Messengers and Teles. | 19. Personnel Waiting Room | 26. Conference Room | 33. Canteen Stores |
| 6. Production Dept. | 13. Traffic Department | 20. Personnel Gen. Dept. | 27. Asst. Personnel Manager | 34. Canteen Preparation Room |
| 7. Buyer | 14. Costs | 21. Works Manager | 28. Personnel Manager | |



SECOND FLOOR PLAN

KEY TO PLAN :

- | | |
|---------------------------------------|------------------------------------|
| 1. Estimating Department | 11. Developing Room |
| 2. Asst. Chief Estimator | 12. Photostat Room |
| 3. Chief Estimator | 13. Printing Room |
| 4. Drawing Office | 14. Sales |
| 5. Typists | 15. Sales Manager |
| 6. Design Department | 16. Drawing Office Clerk. |
| 7. Chief Designer | 17. Cleaner |
| 8. Chief Draughtsman | 18. Drawing Office Conference Room |
| 9. Asst. Chief Draughtsman | 19. Sales |
| 10. Drawing Office Stores and Traders | 20. Sales |

concrete raft externally and above the level of the finished ground area. Each floor was constructed on the diespeker "big span" principle. An integral reinforced concrete beam running round the external walls became the structural lintol over all window and door openings. The flat roof is finished with macadam on felt with light-coloured stone chips on top. The outer walls are of artificial stone ashlar to a height of

Right, the library; below, right, the men's lavatory; left, an office.



O F F I C E S A T D A R L I N G T O N



The staircase in the main entrance hall.

1 ft. above ground floor level backed by 18 in. brick work. The inner wall is of foam slag blocks leaving a 2 in. cavity. Above the ashlar coursing, buff facing bricks are used externally, backed by common brick work bonded with galvanised ties.

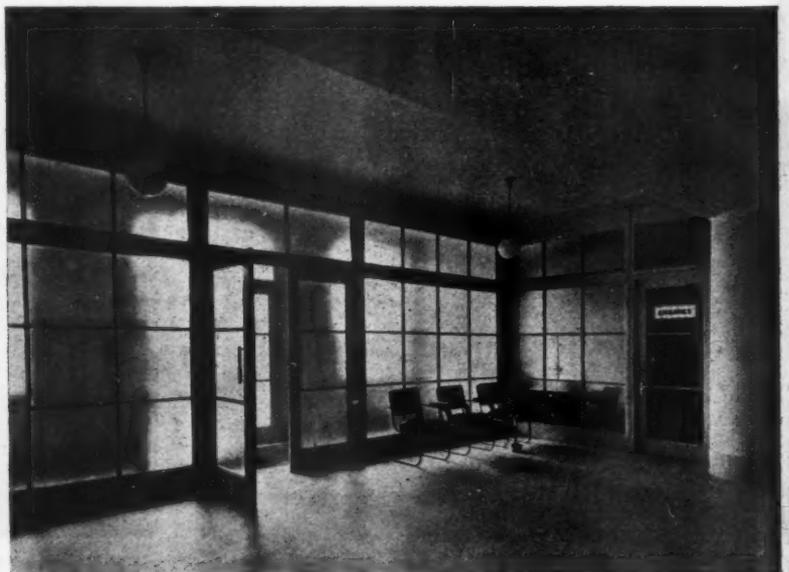
FINISHES.—Walls and ceilings are plastered. In the management wing the plaster work is in haired lime plaster for acoustical reasons. Floors are in monophalte.

Entrance halls and staircases are of terrazzo, balustrade and hand-railing in polished aluminium. Floors of the management and chief departments are of pine blocks. Inner window cills are of cork. Typing and machine rooms have ceilings finished with acoustic tiles. All external windows and doors are in turquoise blue and the corridors are painted a primrose yellow, other rooms are buff with ceilings of coloured ivory.

SERVICES.—The heating system is low pressure accelerated hot water, the system being fed by two thermostatically controlled gas-fire water-heaters. The heating service of ground and first floors is in the form of concealed heaters in window recesses. Basement rooms are warmed by high level pipe coils.

The general contractors were Nox Ltd. For list of sub-contractors, see page 108.

The waiting room, and right, the main entrance hall.



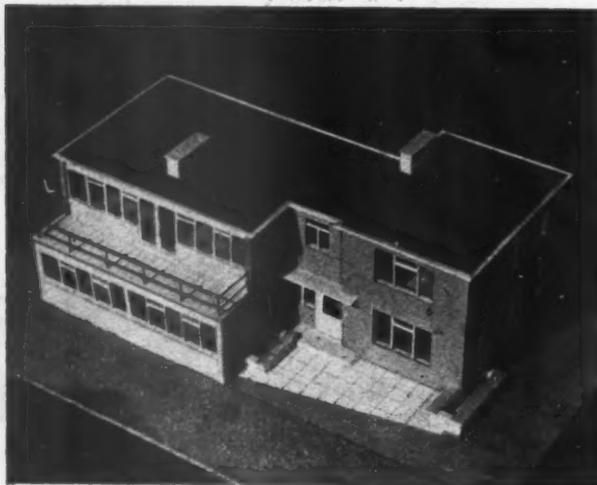


From the east.

HOUSE AT BISHOP'S STORTFORD

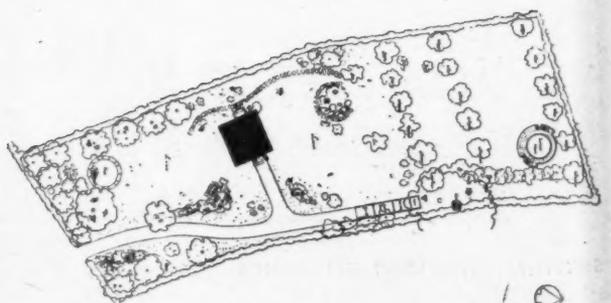
DESIGNED BY DONALD R. STEWART

Below, model of completed house.



SITE.—The site is about three-quarters of an acre in extent, slopes slightly to the south-west, is well planted with evergreen and deciduous trees on the east and south sides, and has mature fruit trees on the north. The soil is mainly rich clay, but the building area has a solid bed of gravel eighteen inches below ground level.

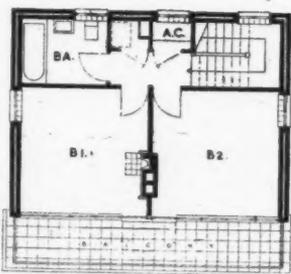
PLAN.—Owing to the restricted floor area permitted by licensing



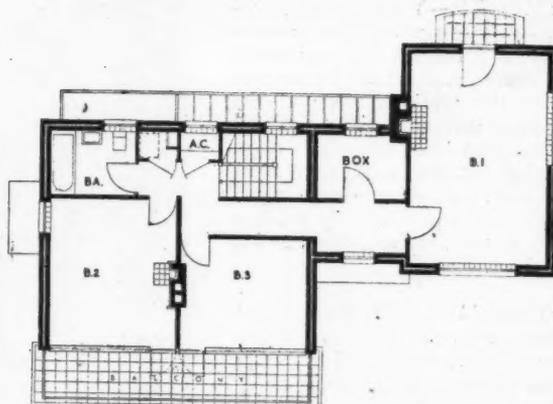
SITE PLAN

regulations the scheme will be completed at a future date, when a further bedroom and a library will be added. The final appearance of the house will then be as shown by the model. The present four rooms, however, provide a certain degree of functional completeness and are adequate for present needs.

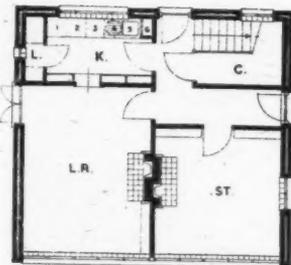
CONSTRUCTION.—The external cavity walls are faced with multi-coloured rustic sand-limes, set in a natural-colour gauged mortar made with bright yellow sand. The brick tones run from cream to vandyke brown. The first floor and roof are of joist and board construction; the balcony is a reinforced concrete flat. The ground floor is of mastic and wood block on concrete. Window cills and hearths are of heather quarries. Glazed white tiles are used in the kitchen and bathroom. Fireplaces are of San Perlo marble slabs, set in oak surrounds. The staircase has an oak-trimmed plywood balustrade carrying a silver-anodised aluminium handrail.



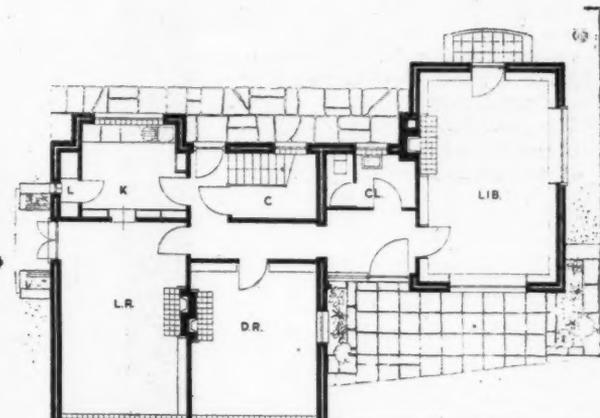
FIRST FLOOR PLAN
FIRST STAGE



FIRST FLOOR PLAN
SECOND STAGE



GROUND FLOOR PLAN
FIRST STAGE



GROUND FLOOR PLAN
SECOND STAGE

(Scale: 1/8" = 1'0")

Below, a bedroom. Right, the living room.



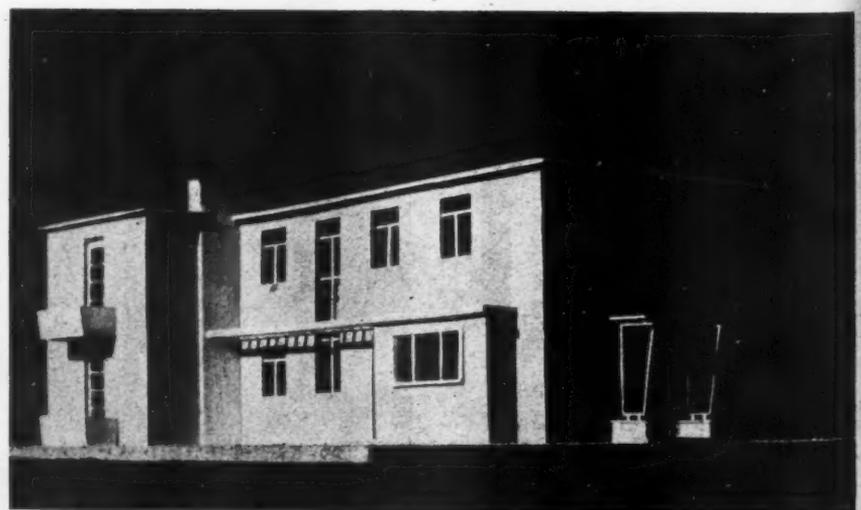
SERVICES.—Waterheating, cooking and refrigeration are by electricity. A boiler with two heating elements and thermostats has made the plumbing simple, and all pipes including soil, waste and vent pipes are concealed in a vertical internal duct fitted with removable access panels. Solar insulation is provided by a cabot quilt in the roof, and thermo tiles on the balcony.

INTERNAL FINISHES.—The colours were chosen to match the client's furnishings. The living room and bedrooms have dove-grey distempered walls and pale lemon ceilings; the study, staircase and hall have buff walls and white ceilings. The kitchen is deep ivory and white to match the cooker finish, and the bathroom pale ivory and white to match its sanitary fittings.

The general contractors were J. L. Glascock and Sons, Ltd. For list of sub-contractors, see page 108.



Right, the kitchen. Below, left, the staircase, and right, the completed house from the south-west.



HOUSE AT BISHOP'S STORTFORD



SERVICES AND EQUIPMENT | TELECOMMUNICATIONS

S37.HI

The Architects' Journal Library of Information Sheets 139. Editor: Cotterell Butler, A.R.I.B.A.

S37.HI



Automatic Loudspeaking Master Station

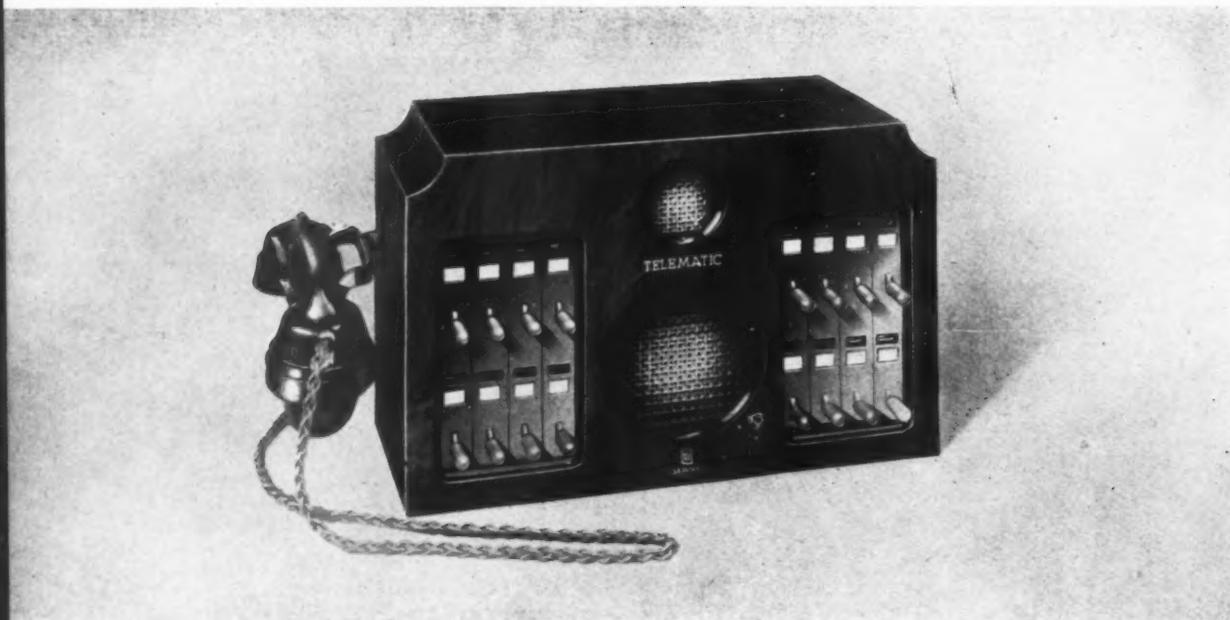


Automatic Desk Instrument



Automatic Wall Instrument

INTERCOMMUNICATING AND AUTOMATIC INTERNAL TELEPHONE SYSTEMS



Intercommunicating Loudspeaking Master Station



Intercommunicating Desk Instrument



Intercommunicating Wall Instrument

S37.H1 INTERCOMMUNICATING AND AUTOMATIC INTERNAL TELEPHONE SYSTEMS

This supplementary Sheet to the series dealing with Telecommunications illustrates master stations and desk and wall instruments used in intercommunicating and automatic internal telephone systems. Their sizes and functions are described in detail on Sheets 37.H1 and 37.H2.

Compiled from information supplied by :

Telephone Rentals, Ltd.

Address : Kent House, Rutland Gardens, London, S.W.7.

Telephone and Telegrams : Kensington 9201.

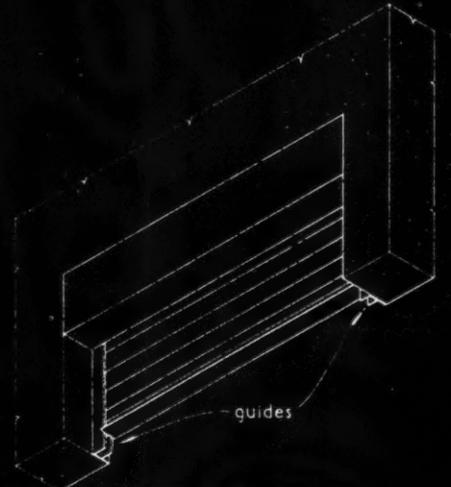
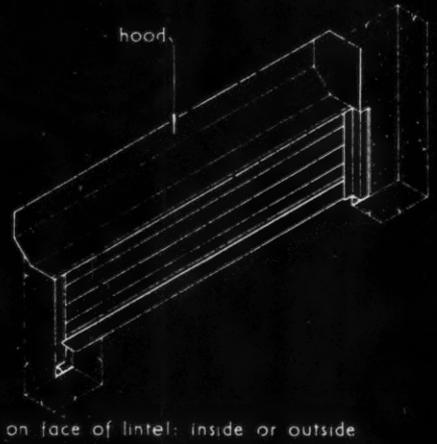
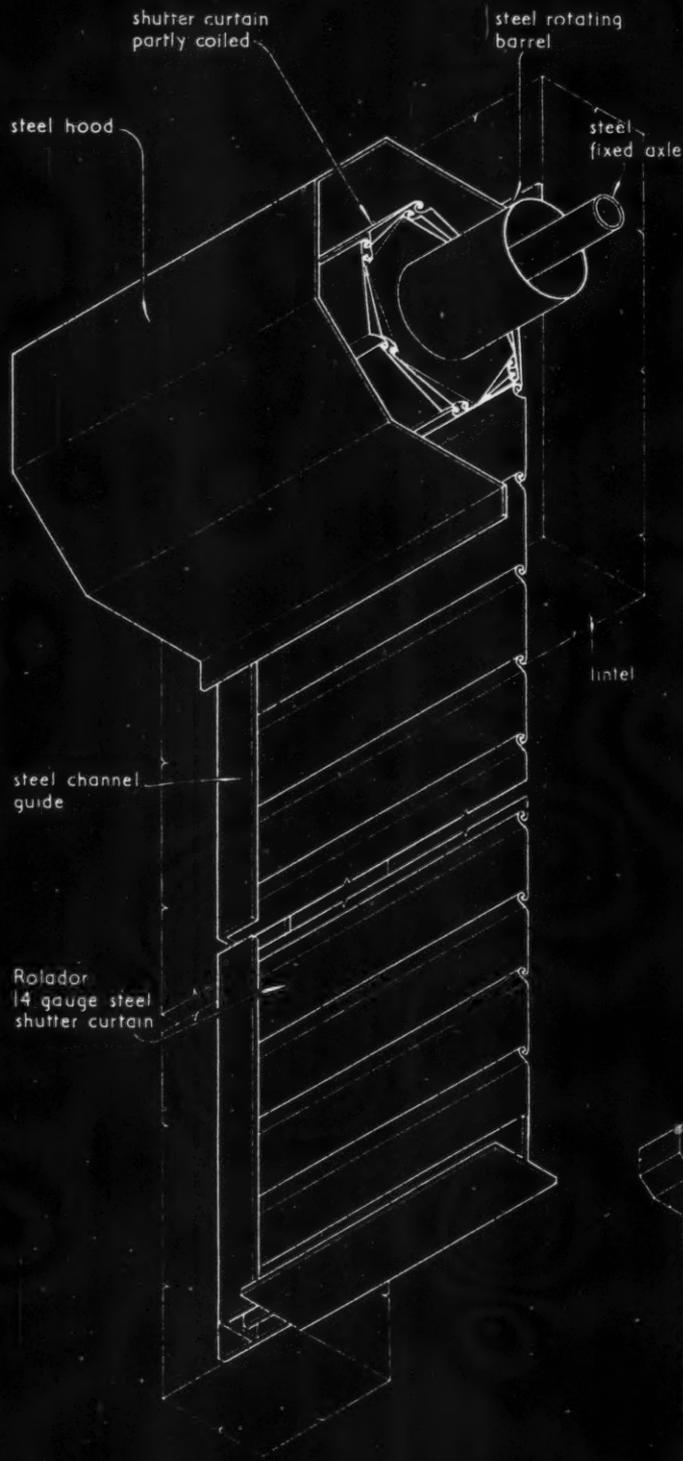




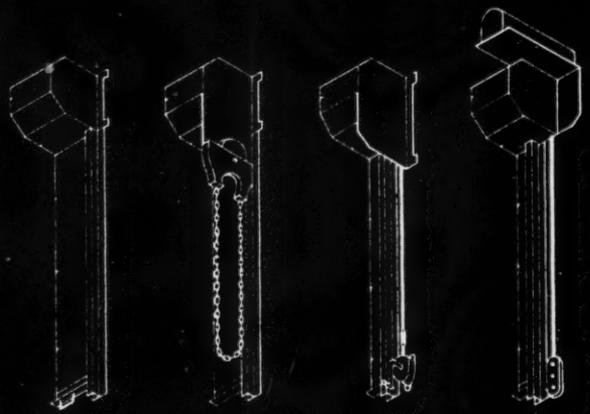
DOORS | ROLLING SHUTTERS

23.H1

The Architects' Journal Library of Information Sheets 140. Editor: Cotterell Butler, A.R.I.B.A.



POSITIONS OF FIXING.



METHODS OF OPERATION

GENERAL DESIGN.

23.H1 HASKINS ROLLING SHUTTERS AND GRILLES 1: GENERAL DATA

This Sheet, the first of a series, illustrates the general design, positions of fixing and methods of operating Haskins rolling shutters and grilles. The isometric drawing of the general design shows the shutter incorporating Rolador steel slats, but the principles also apply to other types of rolling shutters and grilles dealt with in this series.

General Design

The shutter consists of a slatted curtain or grille attached to a revolving spring-loaded barrel around which it coils as it is raised. The sides of the curtain are guided by vertical channels.

Construction

Curtains: The following types are available:—Rolador steel slat, interlocking steel slat, Portcullis steel grille, and timber slat (see Sheet 23.H2).

Springs and Barrels: The shutters operate on horizontal steel barrels containing helical steel counter-balance springs.

Brackets and Bearings: The shutters and spring barrels are supported by cast or wrought iron brackets with cast iron bearings or with self-aligning ball races and housings. All types of brackets are fitted with bolts and nuts, patent indented foundation bolts or suitable caulking as required for fixing to steel, concrete, brick or woodwork.

Guides: These are of mild steel channel or built up angle iron and are fitted with continuous angle iron, bolts and nuts, patent indented foundation bolts, caulking, etc., where necessary for fixing. Removable intermediate pilasters for use where more than one shutter is used in one opening are described on Sheet 23.H3.

Methods of Operation

There are four alternative ways in which the shutters may be operated and they may be installed to work from either or both sides of the opening.

Push-up: By means of long arms and hooks or lifting rings in bottom bars, according to height of opening.

Mechanical Chain: By means of endless hand chain operating through compound machine moulded spur reduction gear. The chain is galvanised and extends to within 1 ft. 6 in. of the ground.

Crank Handle: By detachable crank handle operating through spur and bevel reduction gear, with cast gear boxes, mild steel shafting and ball thrust races.

Electric Push-button: Local or remote control by electric power unit comprising motor of the appropriate horse-power, for A.C. or D.C. current, with heavy pintel type chain drive, enclosed worm reduction gear, magnetic brake, circuit breakers, limit switches, totally enclosed fuses and push-button control with "raise," "lower" and "stop" positions; there is also an endless chain wheel for emergency use.

Fixing

There are four alternative positions in which each of the above types may be fitted:—on the face of the lintel, inside the building; on the face of the lintel, outside the building; under the lintel, with the shutter guides towards the front of the opening; under the lintel, with the shutter guides towards the rear of the opening.

Applications

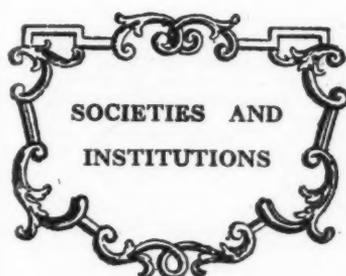
Rolador and interlocking steel rolling shutters have a wide range of applications for the closure of openings in factories, shops, warehouses; banks, strong-rooms; transport sheds, garages, hangars, stations; crane openings, power houses, switchrooms, boiler houses; lifts, staircases, elevators; vans, wagons, trucks; loading banks, air-cooling towers, ships, etc.

This Series of Sheets covers Rolador and curved slat type of interlocking steel rolling shutters, Portcullis rolling grilles and timber rolling shutters.

Compiled from information supplied by:

Haskins (E. Pollard and Co. Ltd.)

Address: Gnome House, Blackhorse Lane,
Walthamstow, London, E.17.
Telephone: Larkwood 2622 (6 lines).
Telegrams: Sniksah, Walt., London.



Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes professional societies, trade associations and government departments. To save space they are represented by their initials—see front cover. Lectures cannot usually be reported in full, but the extracts given are in the speaker's own words.

LCC

Herbert Morrison

January 17. Speech by Mr. Herbert Morrison, Lord President of the Council, at the driving of the first pile of the NEW RIVER WALL ON THE THAMES SOUTH BANK.

Herbert Morrison: This is a big day for London; it is a specially proud day for that half of London which lives, as I do, south of the Thames. It is a day which I as a South Londoner have looked forward to for many years.

By some strange historical accident the south bank of the river has become and remained until this day a Cinderella. Perhaps I should not compare the City and Westminster to the two ugly step-sisters, but I am bound to say that the treatment of South London so far has been very shabby on the whole, and entirely undeserved. The spot where we stand is in the heart of London: it is no more a suburb than Westminster is. Geographically, in fact, the area is the hub from which the London street system radiates.

Unfortunately, however, until last century this was open marshy ground, difficult to build on and rather difficult of access. The river was bridged only at London Bridge and Westminster until 1817, when the old Waterloo Bridge was opened. By that time the fashion of putting everything important on the north bank had taken firm root. That fashion has continued its grip even when everyone can see that the north bank is hopelessly congested and overburdened, and that we can only make London a fit place to live and work in if we call in a worthily rebuilt and replanned south bank to free us from the congestion of the north.

Some important steps have already been taken along this road. The London County Council pioneered the development by placing the County Hall on this magnificent site years ago. The rebuilding of Waterloo Station as one of the finest stations in the

country was another step forward, and more lately the new Waterloo Bridge has added the third point of the triangle of new development which we are now beginning to fill in. Inside this triangle the London County Council wisely bought the land on which great buildings will soon arise, planned and designed as a whole under the supervision of that great architect of London buildings, Charles Holden. There will be a big block of Government offices and conference halls and other amenities available for all sorts of public purposes. Then there will be the long-awaited national theatre and the concert hall and restaurant which the LCC are putting up. It is certainly time that the traditions of the south bank as a national centre of the theatre and the Arts were revived. From the days of the Canterbury Pilgrims and Shakespeare's Globe Theatre down to the bombing of the Old Vic, this south bank had a tradition and a place in the performance of songs and plays and music which we now aim to encourage and revive before it is too late.

The first use of this site which we are winning from the river and from dereliction will be for the main national exhibition of the Festival of Britain, 1951. For that purpose the Shot Tower will be kept standing, the rest of the remaining buildings will be cleared, the great new London County Council Concert Hall will be built downstream of Hungerford Bridge, new temporary footbridges will bring people across the river from Charing Cross and across York Road from Waterloo Main Line, and new roundabouts at both ends of York Road will help the traffic to flow freely. The ancient tree just behind the wall will be spared, and will no doubt be agreeably surprised to wake up and find itself standing in a beautiful new garden, enshrining a memorial to Londoners killed in the Blitz. Finally, by his Majesty's wish, the lions will be well looked after.

RIBA

1949 Prizes

At a General Meeting of the Royal Institute of British Architects, held on January 11, the Council's Deed of Award giving the results of the competitions for the Annual Prizes and Studentships awarded by the RIBA was read.

There were in all 405 competitors. The total value of the Prizes and Scholarships offered by the RIBA is over £3,000 a year.

The results of the various competitions are as follows:—

The Tite Prize: A Certificate and £100 for the Study of Italian Architecture. The subject: "A Rowing Club for a New Town." Awarded to: "TICO," Alastair Carson Mackintosh, Student RIBA, School of Architecture, Edinburgh College of Art.

The Victory Scholarship and £120 for the Advancement of Architectural Education. The subject: "An Aquarium; which includes the headquarters of a Society of Natural Sciences." Awarded to: "HOW," William Fowler Howitt, Student RIBA, School of Architecture, Dundee College of Art. Certificate of Honourable Mention: "WEEGEE," Alexander John Gordon, Welsh School of Architecture, Cardiff.

The RIBA Silver Medal for Measured Drawings and £75. Awarded to: "DODO," Brian Arthur Francis Ellsmoor, A.R.I.B.A., Bartlett School of Architecture, University of London.

The Royal Institute Silver Medal and £50 for an Essay. Awarded to: "GNOME,"

Henry Brian Leather, Student RIBA, Birmingham School of Architecture, for an Essay entitled "Baroque Inspiration." Certificate of Honourable Mention: "SPARTACUS," Colin Graham Shankland, M.A., A.R.I.B.A., for an Essay entitled: "World New-Built."

The Owen Jones Studentship: A Certificate and £100. For the improvement and cultivation of knowledge of the successful application of colour as a means of Architectural Expression. Awarded to: "DRAGON," Miss Norah Rosalie Glover, A.R.I.B.A., School of Architecture, The Polytechnic, Regent Street, London.

The Arthur Cates Prize: £100. NOT AWARDED.

The Banister Fletcher Silver Medal and £26 5s., for the Study of History of Architecture. Subject: "Lethaby's Architecture Reviewed: A Critical Appreciation." Awarded to: Donald William Insall (Student, R.I.B.A.) RWA School of Architecture, Bristol.

The Alfred Bossom Research Fellowships £250: for Post-Graduate Research. Awarded to: Denzil Nield, A.R.I.B.A., School of Architecture, The Polytechnic, Regent Street, London.

The Hunt Bursary: £100 for the Measurement of Old Buildings. Harry Wheeler, A.R.I.B.A., Glasgow School of Architecture.

The Hunt Bursary: £75 for the Encouragement of the Study of Housing and Town Planning. Awarded to: Miss Josephine Preston Reynolds, A.R.I.B.A., Liverpool School of Architecture.

The Athens Bursary: £125 for Study at the British School at Athens. Awarded to: John Needham, F.R.I.B.A., School of Architecture, Dundee College of Art.

The Rome Scholarship in Architecture, 1948. NOT AWARDED.

The Ashpitel Prize, 1948. Name to be announced later.

The RIBA Silver Medal and £10 in Books for Students of Schools of Architecture Recognized for Exemption from the Final Examination. Awarded to: Geoffrey Harper, A.R.I.B.A., Birmingham School of Architecture.

The RIBA Bronze Medal and £10 in Books for Students of Schools of Architecture Recognized for Exemption from the Intermediate Examination. Awarded to: Alistair Smith, Prob. R.I.B.A., Oxford School of Architecture.

The Archibald Dawnay Scholarships 1948: Five Scholarships of £65 each for the Advanced Study of Construction. Scholarships awarded to: Roger Christopher Marshall, Student RIBA, Leeds School of Architecture. Kimball Pollitt, Student RIBA, Leeds School of Architecture. Frank Shaw, Student RIBA, Leeds School of Architecture. Alan Price Roach, Student RIBA, Department of Architecture, The Northern Polytechnic, London. Arthur Johnston, Student RIBA, Liverpool School of Architecture.

The RIBA Henry Jarvis Studentship at the School of Architecture, the Architectural Association, 1948. Awarded to: Peter Newnham, Student RIBA.

The RIBA Howard Colls Travelling Studentship at the Architectural Association 1948. George Bidwell.

The RIBA Donaldson Medal at the Bartlett School of Architecture, University of London, 1948. Awarded to: Thomas Manning, Student RIBA.

The RIBA Prize for Art Schools and Technical Institutions with Facilities for the Instruction of Intending Architects (£10 in Books), 1948. Awarded to: Martin Taylor, City of Canterbury College of Art.

The President, Mr. Michael Waterhouse, will present the Medals and Prizes for 1949 and will deliver an address to Students, at a General Meeting to be held at 66, Portland Place, London, on Tuesday, February 8, at 6.0 p.m., and a criticism will be given by Mr. Anthony Chitty of the work submitted.

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

TECHNICAL SECTION

A digest of current information prepared by independent specialists; printed on one side of the paper only, to allow readers to cut out the items for filing and paste them up in classified order. Headings below.

INFORMATION CENTRE

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

2.70 planning: general

T AND CP ACT: CLAIMS

Town and Country Planning Act, 1947. Norman P. Greig, Barrister. (The Builder, 3s. 6d.)

Short account of the Act, in the form of a running summary, section by section. 32 pp.

Books on the 1947 Act continue to appear. This pamphlet is a reprint of a series of articles from "The Builder" and is a useful summary of the Act; as the author says, "an introduction to the new Code." The summary follows the arrangement of subjects and sections in the Act itself. It reduces the legal language to something more easily understandable and the publication has a useful index. In general one can say that the professional man, not directly involved in specific problems arising under the Act, does not need to know more of the Act than this pamphlet tells him. That is its principal value.

7.15 practice

PRACTICE AND PROCEDURE

Architectural Practice and Procedure. Hamilton H. Turner. (B. T. Batsford Ltd., 4th Edition, 1948. 18s.)

A comprehensive book for practitioners and students dealing with the present day practice of the architectural profession and the procedure which an architect is required to adopt.

This book is concerned with an architect's practice and the procedure which should be adopted. It deals, in a very comprehensive manner, with the normal duties of preparing sketch plans and estimates of cost, preparing working drawings and specifications,

obtaining tenders and placing contracts, and inspecting the work and issuing certificates and variation orders. It also indicates all that the architect need know about the quantity surveyor, clerk of works, foreman, etc.

In addition to the issues which arise on nearly every job, the book covers many extraneous subjects, such as ancient lights, dilapidations, reports and arbitrations, and ends with a very useful appendix containing thirteen typical documents including a specification, schedule of prices and schedule of dilapidations.

This edition has been thoroughly revised and contains a new chapter on War Damage Repairs, a form of "Proof of Evidence" and a list of market prices as required by the RIBA Contract.

The book, when first written, was particularly suited for students and there is some danger of it becoming too comprehensive for students and not comprehensive enough for a standard work of reference. This, however, is a minor criticism, and the very high reputation, which the book has acquired, is fully justified.

8.13 surveying and specification QUANTITY SURVEYING

The Elements of Quantity Surveying. Arthur J. Willis. (Crosby Lockwood & Sons Ltd. 4th Edition, 1948. 15s.)

An introduction to the art of taking-off and working-up bills of quantities, which takes the student up to the level of the Intermediate Examination, Part II, of the Royal Institution of Chartered Surveyors.

In this book, Mr. Willis deals with the subject in its simplest form, with the object of giving students a good grounding in first principles.

Separate chapters are devoted to the taking-off of foundations, brickwork and partitions, facings and all the other items which may be expected to arise when taking-off quantities for a simple building. These are followed by other chapters on squaring, abstracting, billing, etc.

There are thirty-seven examples in all, and appendices giving a list of abbreviations, a window schedule, and a lot of other useful information. The examples are clear, in handwriting, and with drawings to normal scale, which gives them a proper appearance of reality.

The new edition brings the work into line with the latest edition of the "Standard Method of Measurement." The book is already popular and the new edition can confidently be recommended to all students whose studies have not reached a more advanced stage.

8.14 surveying and specification

COSTING AND ESTIMATING

Building and Public Works Administration, Estimating and Costing. Spence Geddes, E.S. DIPLOMATE, R.T.C. GLASGOW. (2nd Edition.) (George Newnes Ltd., London. 25s.)

A first class book, primarily for civil engineers, but also of great interest to surveyors, builders and others, who are some-

times concerned with work of a wholly or semi engineering character.

As the title shows, the book is concerned principally with three things—administration, costing and estimating. The term administration covers the organisation of the work, the drawing up of a programme, assessing the main requirements in the way of labour and materials, and assessing the labour required for particular types of plant.

The terms "costing" and "estimating" cover head offices charges and general site charges, as well as the estimated and actual cost of the particular operation.

The first part of the book is devoted to organisation, and the reasons for, and methods of, estimating and costing. This is followed by chapters on each trade, in alphabetical order, including sections on such matters as pile driving, plate-laying and quarrying. There is also a very useful section on the working cost, per hour, of plant.

No very large scale revisions have taken place in the new edition, but additional information is given on excavation in water-bearing ground, on cast-iron pipes, and on tiling and slating; the index has also been improved.

The book contains a lot of information which it is difficult to find in convenient form elsewhere, and can be thoroughly recommended.

11.13 materials: general STEEL CONTROL

Iron and Steel Distribution Scheme. Notes for Consumers, May, 1948. Iron and Steel Board, MOS. (HMSO, 6d. net.)

Guide to consumers regarding control of iron and steel.

The Iron and Steel Distribution Scheme, first introduced in 1940, has recently been



INFORMATION SHEETS. APPLICATION FORM FOR REPRINTS.

New subscribers who wish to complete their sets of Information Sheets by the addition of those Sheets published before they began to subscribe should fill in the form below, stating the date their subscriptions commenced. Readers wishing to order copies of individual Sheets may identify them either by the classification number, or the sequence number which is printed on the face of each Sheet immediately below the main title. The price of Information Sheets is 3d. each, post free.

Please send me Information Sheets up to and including the issue for:

Please send me the following Information Sheets:

Name

Address

..... A.J.27.1.49.



Architect :—
 Eric Ross, A.R.I.B.A.

Consulting Engineers :—
 Brian Colquhoun & Partners

*Aluminium alloy Extrusions,
 castings and sheet by*
 Northern Aluminium Co., Ltd.

THE largest door Man has yet built . . . 200 tons of it, 25 feet longer than "The Queen Mary", 65 feet 9 inches high, with each of its three sections opening centrally or from either end at 80 feet a minute. It is the door of the vast new hangar for the Bristol 'Brabazon'. Such a supreme feat of design typifies the adaptability of Esavian engineers and the Esavian principle of slide and fold . . . a principle that has proved its complete success for a hundred uses, from schoolroom partitions to 'bus garage doors. Your own 'closure' problem may not call for a door larger than an Atlantic liner but it does call for a talk with Esavian.

ESAVIAN
 LIMITED

181 High Holborn, London, W.C.1
 Tel.: Holborn 9116.
 101 Wellington Street, Glasgow, C.2
 Tel.: Central 2369.

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

WPD/AA

BOFFINSTRUMENTS* at your service



SEE HOW IT RUNS

Much depends on the fluidity or 'runniness' of a finish—or to put it more technically, a finish must conform to standardized viscosity limits permitting of smooth application, and dependent on whether a brush, spray or dip method is to be employed. Each drum should be of the same consistency and the Cellon Boffins have to test a sample from every batch of finish before it leaves the factory. For this purpose they use a device called the Ford Cup. The Ford Cup is filled with the test material at a temperature of 25°C. The material is then released and allowed to run into a beaker. The time taken for the cup to empty is measured by a stopwatch, and this factor serves as an index of the viscosity of the material. This test, and others like it, ensures that Cellon productions will do the work for which they are intended—and do it well.

CERRUX

★BOFFINSTRUMENTS. Instruments used by Boffins (R.A.F. slang for scientists . . . etymology unknown) to make sure that finishes are up to standard and prevent them being got at by Gremlins.

DECORATIVE FINISHES

CELLON LIMITED, KINGSTON-ON-THAMES, ENGLAND · TELEPHONE: KINGSTON 1234 (7 lines)

Also manufactured in Canada, France, Holland and Norway

CVS-606

revised and the circular headed: "To all Users of Iron and Steel," issued in January, 1948 gave detailed instructions to consumers about the changes in the scheme. The present booklet is intended as a guide to consumers on the operation of the revised scheme. It contains explanatory notes and the following four appendices:—

Appendix I: A list of the controlled forms of iron and steel to which the Distribution Scheme applies.

Appendix II: The names and addresses of the Departments responsible for authorizing iron and steel under the scheme, with the purposes sponsored by each.

Appendix III: Lists showing (a) Small Quantity Exemptions, i.e., the quantities and values up to which certain forms of iron and steel covered by the Distribution Scheme may be acquired without authorization against a certificate by the purchaser, and (b) controlled forms of iron and steel not subject to distribution control, which may be acquired without authorization.

Appendix IV: A list of the main finished products, components, etc., for which direct authorizations of iron or steel are made by, or on behalf of, Departments to the producers and for which, therefore, it is necessary for the purchaser to furnish a sub-authorisation for iron or steel to his supplier.

This publication should be of great help to everybody concerned with the use of iron and steel.

16.44 materials: miscellaneous GLUE

Cold-setting Casein Glue for Wood. BS 1444:1948. (British Standards Institution, 2s.)

Standard provides both for glues with limited degree of water resistance and for glues having no water resistance.

Specification supersedes the casein glue section of BS 745 "Joiners' glue."

19.55 construction: details REINFORCED BRICK FLOORS

Reinforced Hollow Brick Floors. (The Builder, Oct. 29, 1948, pp. 508-9.)

Dutch system of precast floor units formed of hollow clay bricks laid in cement mortar, with reinforcement placed in each course in the recesses in the sides of the bricks.

20.106 construction: complete structures SHELL CONCRETE CONSTRUCTION

Shell Concrete Construction. (Building Digest Nov., 1948, p. 391, pp. 393-411.)

Much space in the November issue devoted to shell construction.

A short leader points out the great importance of this new form. An article by E. D. Mills deals with the architectural aspects and is illustrated by examples showing various possibilities, e.g., cylindrical barrel vaults of symmetrical shape, cantilevered barrels used as station platform canopies, north light roofs, cantilevered shells of the shape of a hyperboloid, shells curved in two directions on a rectangular plan. The Market Hall, Leipzig, which is the largest solid dome in the world, a cylindrical barrel of parabolic shape and a recently completed cinema in Copenhagen with horizontally curved edge are also described. In an article by C. V. Blumfield the technical aspects are considered. This article gives practical suggestions regarding the arrangement of shell concrete roofs. It contains an interesting example, which shows eight different schemes for covering an area of 70 ft. by 315 ft. and demonstrates the

great flexibility of the system. The cost of construction as analysed in this article is, however, very much on the low side.

In a second article by E. D. Mills, the new building for chemical manufacturing plant for May & Baker Ltd., Dagenham, is described (see 20.96). Further interesting examples are the Vredestein tyre factory at Enschede, Holland, covering an area of 604 ft. by 151 ft. and the new stadium at Cartagena (see 20.88).

21.23 construction: miscellaneous ALTERATIONS

Alterations to Buildings. By Ronald G. Snell. (Sir Isaac Pitman & Sons, Ltd., 1948, 8s. 6d. net.)

Practical instructions for carrying out alterations to existing buildings.

As the author rightly points out, alterations to existing buildings are, by their very diversity, more practical in their nature than new work, and in consequence instruction is not so easy to obtain. The aim of the present book is to fill a serious gap in technical literature. It deals with alterations which are comparatively common, such as shoring, needling, cutting out, pinning up, bonding reveals, inserting steel stanchions and beams, forming openings in existing walls, fireplace removals and additions, alterations to doors, windows, shop fronts, underpinning, and converting unused roof space. For each type of work good tips are given, based on sound knowledge and experience. Several good illustrations are included and the necessary equipment is well described. An appendix contains tables on the load-bearing capacity of shores, weights of materials, safe bearing pressures on foundations and masonry, safe distributed loads on joists.

The book can be recommended as a very useful guide.

22.28 sound insulation SOUND INSULATION OF PARTITIONS

The Sound Insulation of Partitions. G. H. Aston (HMSO, 1948, 6d.)

List of measurements of insulation; extensive discussion. Useful.

This is probably the best list of sound insulation measurements ever published, because it is accompanied by an understandable and readable description of insulation theory, and a useful commentary on the constructions themselves. Comparisons with measurements in other countries are made; correspondence with American results is close.

The relationship of mass to sound insulation for substantially homogeneous partitions is confirmed, but there are important exceptions, especially among sand-loaded panels which are capable of greater efficiency than their weight would indicate. Sand is not necessarily a better insulator than solid materials, but in certain containers it can be. On the other hand hollow clay blocks may offer somewhat less insulation than their weight suggests.

The use of absorbents in cavities is clarified. If the linings of the cavity are unabsorbent, an absorbent quilt may add up to 7 db. to the insulation; but when the linings are absorbent, this would not be the case. Very little improvement, if any, would result.

There is a considerable study of stud partitions, including some where the plasterboard is successfully insulated.

The effect of wall ties has been examined, and it is shown that where the walls are reasonably heavy, wire ties result in little loss, but stiff strip-metal ties can have a more serious effect.

Nearly 100 partitions are described and their measurements given.

23.88 heating and ventilation HOUSES FOR HOT CLIMATES

Climate & House Design. Thermal Characteristics of Dwellings. J. W. Drysdale (Commonwealth Experimental Building Station, Sydney. Duplicated Document No. 27. June, 1948. 1s.)

Report on investigation of effect of construction upon indoor temperatures of houses in hot and very hot climates.

This report gives data useful to those concerned with building in hot countries. Briefly the main conclusions are that for moderately hot conditions the type of construction can appreciably affect indoor conditions because of the value of thermal capacity, but in tropical conditions ventilation is the essential factor. These conclusions are backed by a useful description of tests, the results of which are given.

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

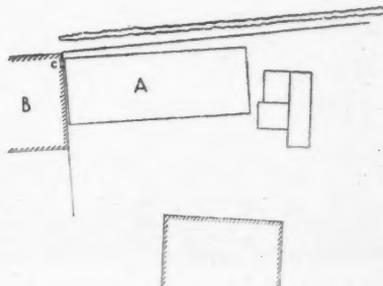
2972 RIGHT OF LIGHT

Q Our clients wish to erect a commercial building upon the site marked "A" on the accompanying sketch. At "B" there is an old and derelict cottage which has been condemned and is likely to be demolished. At "C" there is a window in the cottage which has enjoyed light for a great number of years and undoubtedly establishes a right of light. If the cottage is demolished, is the right of light preserved, and would it be in order for our clients to build right up to the limit of their boundary?

A Abandonment of ancient lights in a building cannot be presumed from the fact of the building being pulled down.

If there was a building on the site "A" which obstructed the light to the window "C," then a new building on the site "A" could obstruct the light to window "C" to the same extent.

There should therefore be a record of the position and size of the window "C," and of the building, if any, on the site "A." The new building on the site "A" should be so designed as to leave sufficient light to the window "C," after allowing for any obstruction which may have previously existed.



Supple TYRES for GREATER MILEAGE

The more supple the tyre, the less heat it generates and retains; and the cooler it runs, the longer it wears.



MICHELIN

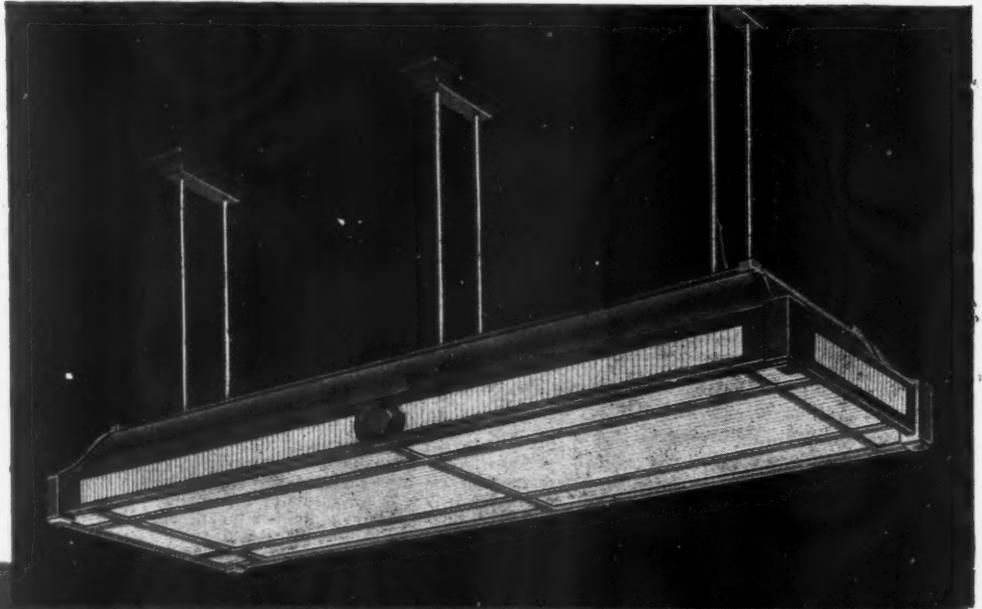
TYRE Co. Ltd., Stoke-on-Trent

PENDANT for Fluorescent Lamps by HARCOURTS

NO. P 122/2 Pendant Fitting for 2 or 3 5ft. 0 in. Fluorescent Lamps with channel along top for control gear. Constructed of angle and sheet metal. Finished Bronze Spray. Glazed in sides and bottom with ribbed-surface water-white glass. Hinged base panels for access to lamps.

Write for complete List HL 115

HA3



Harcourts

ARCHITECTURAL LIGHTING

HARCOURTS LIMITED • STANHOPE HOUSE • No. 1 KEAN ST. • LONDON • W.C.2

This feature covers both the production and marketing of new materials and designs of equipment, as well as the general trend of developments within the Building Industry.

THE INDUSTRY

By Brian Grant

TIMBER SUPPLIES

Last week the Timber Development Association published a booklet on *The Economics of Timber Substitution*, and held a reception to give it a good start in life. The thesis put forward is, briefly, that the dollars for the purchase of timber from abroad could be found if the country as a whole would export steel and coal; that timber is the cheapest of raw materials and will save (by releasing steel for export) considerably more than it costs to import.

In the past two or three years there have been frequent statements made about the world shortage of timber, and these have invariably provoked the reply from the timber interests that the world is covered with timber and there isn't a shortage at all. The truth, of course, seemed rather to be that there was a very considerable shortage of production capacity and of shipping. In the pre-war years we received very considerable supplies from Russia, Finland and Sweden. Russia appears now to need all hers for reconstruction, Finland sends less, and Sweden little more than half the pre-war amounts; only Canada, and to a lesser extent America, are sending more than before. As a result total imports are well down, 1947 figures (the latest available) showing about 1½ million standards as against roughly 2½ million for 1938.

So far as the actual supply of timber is concerned, the TDA maintains that the present restrictions placed on its import and use are nowadays due to exchange difficulties rather than to any stringency in world supplies, which they claim are now large enough for us to be able to import nearly the pre-war figure, and if this is so then there would seem at first glance to be a good case for allowing more to be imported.

At present, as we all know, the 1,000 ft. house is allowed 1.7 standards of softwood, and it is of course possible to build a house using very much less. But at what cost? The pre-war traditional house used about 2½ standards, and it is possible that the timber may have been used in a somewhat extravagant way, but, after all, the average builder putting up houses to sell or to rent was not likely to waste material if he could help it. Since 1939 we have seen the development of the EJMA case-cement window, which uses very much less timber than the pre-war BSS types, and the current restrictions have made all designers more timber-conscious in many other ways. But in spite of all the substitutes, and in

spite of its present inflated price, timber remains an exceptionally economical material, both for joinery (compare timber and steel or aluminium kitchen cabinets) and for carpenters' work in the small house. The prestressed concrete joist, for example, will probably be widely used, but it has been estimated that a production unit would cost about £50,000 at a time when timber conversion machinery is idle. And is the result better than the old 7 by 2 timber joist? It may last longer, but it will almost certainly cost more. When timber is unobtainable things like this have to be done, but it is perhaps less sensible when both steel and cement are urgently needed for other purposes.

To reinforce their arguments the timber interests quote metal windows. I do not for one moment propose to be led into the old argument about wood *versus* metal as a material for windows. But statistics from the Board of Trade give 50,000 tons of steel as having been used in 1947 to produce windows and doors. Exported (assuming that there were customers) this steel would have brought about £100 a ton, or about £5 million of dollars. To replace the windows and doors for the home market it would have been necessary to import only £1 million of timber, so that the deal should have shown a currency profit of some £4 million of dollars.

At the moment Canada is apparently in urgent need of both steel and cement, and the TDA is really doing no more than suggest that the problem of dollar exchange needs further investigation in the light of the present supply position instead of in terms of 1946 shortages. In the past I have always felt that the timber trade has had the habit of producing such a cast iron case that one felt instinctively that some important factor must have been left out. I detect a faint tendency to do so again, as the list of "Items for which steel and concrete have been substituted for timber," contains such surprising items as flushing cisterns and rainwater gutters which hardly any of us can expect to see again produced in timber. But they have, I think, made out a very fair case for presentation to the Board of Trade, and we may perhaps have a little more timber as a result. Not all officials, I feel, produce statutory orders just for the hell of it.

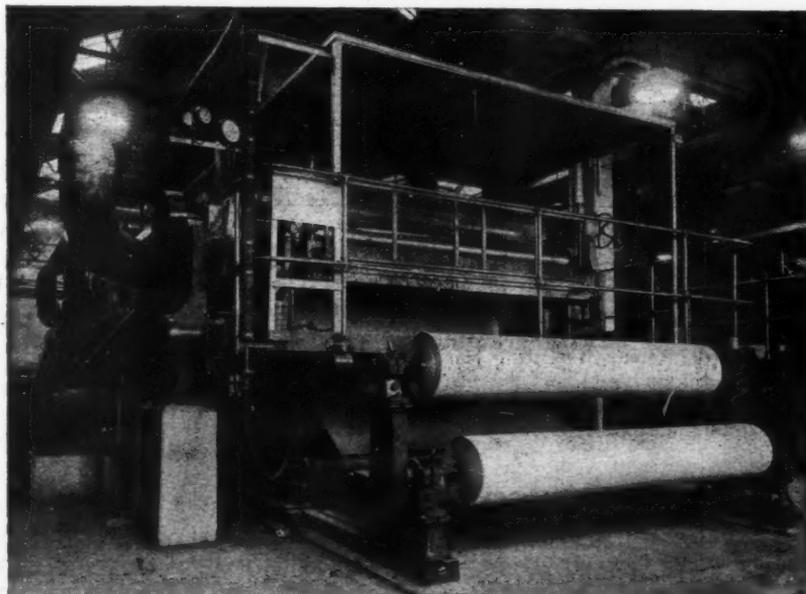
The booklet, incidentally, is well worth reading. (*Timber Development Association Ltd., 75, Cannon Street, London, E.C.4.*)

BAKELITE PROGRESS

Mr. T. J. Fielding's *History of Bakelite Ltd.*, is a well produced and modestly factual record which is commendably lacking in most of the current jargon about service to humanity and world progress. Since the foundation of the Fireproof Celluloid Syndicate Ltd. in 1904, the various subsequent companies passed through many tribulations and successes until the formation of Bakelite Ltd., which one is slightly surprised to find is as recent as 1926, although, of course, they are one of the oldest firms in a very young industry. It is customary to consider the plastics industry as having started as long ago as 1865, when Alexander Parkes discovered celluloid, but the thermo-setting phenol-formaldehyde resins with which one mainly associates Bakelite, although the firm is now taking a considerable interest in the thermo-plastic groups, really date from Dr. Baekeland's patent of 1907. Original patentees generally receive all the credits, but it is only natural that Sir James Swinburne, F.R.S., Bakelite's chairman, should be mentioned at some length, for his work was proceeding in this country parallel but independently of Baekeland's in America, and his patent application in 1907 was anticipated by only one day.

This record of the activities of Bakelite as a firm closes with the new Aycliffe factory (recently illustrated in the AJ) not quite completed. The work done in 1939-45 is briefly described, and was obviously of considerable importance, but I was glad to find no suggestion that the firm therefore won the war on its own, a feat which we now know to have been accomplished by Mr. Errol Flynn under the guidance of Mr. Ralph Ingersoll.

As a piece of history, the Bakelite story is roughly the story of the plastics industry as a whole, and as such is of considerable general interest. Firms which slap themselves too heartily on these occasions may well take this brief history as a model of the way these things should be done. (*Bakelite Ltd., 18, Grosvenor Gardens, London, S.W.1.*)



One of the latest presses installed at the Tyseley Works of Bakelite Limited for the production of laminated material.

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.1, 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. 27.1.49
 BLOCK LETTERS, Please

Announcements Buildings Illustrated

The London Office of the Isle of Thanet Building Society (incorporating Metropolitan BS) has moved to 99, Baker Street, W.1. (Welbeck 0028.)

Mr. P. B. Nash, A.R.I.B.A., has resigned his appointment as Architect with the Ministry of Health on being appointed Principal Assistant Architect to the Birmingham Regional Hospital Board, 10, Augustus Road, Edgbaston, Birmingham, and will commence his new duties on February 1. He will be pleased to receive trade catalogues at the above address.

Mr. T. S. Tait and Mr. Gordon Tait have taken into partnership Mr. F. Kennedy Axten, A.L.A.A., Mr. E. A. Blade, A.R.I.B.A., Mr. J. H. Wallace, F.R.I.A.S., and Mr. C. Spencer Willmott. The firm will continue to practise under the name of Sir John Burnet, Tait and Partners, of 10, Bedford Square, London, W.C.1, and 44, Charlotte Square, Edinburgh.

Mr. P. F. Burgoine, A.R.I.B.A., formerly of the City Architect's Dept., Coventry, has commenced practice at 28, Coundon Road, Coventry, where he will be pleased to receive trade catalogues, etc.

The Minister of Works has appointed Mr. A. J. Filer to be Director General of Building Materials in place of Mr. E. A. Seal.

The address of the Regional Licensing Officer, MOW, Bristol, is now 8/9, Elmsdale Road, Bristol, 8. Telephone No. Bristol 22451.

The North British Rubber Co. Ltd. announce that Mr. Alexander Johnston, J.P., has been appointed Chairman of the Board of Directors in addition to his position of managing director. Mr. Douglas H. Gordon, Works Manager, has been elected to the Board as Director in charge of Production.

Offices at Darlington for Messrs. Whessoe Ltd. (pages 95-99). Architects: Sir John Burnet, Tait and Partners. General Contractors: Nox Ltd.; Sub-contractors: Damp-courses, Ragusa Ltd.; concrete blocks, Foamslag; reinforced concrete, Diespeker Ltd.; facing bricks, R. Y. Ames; artificial stone, Northern Cast Stone Co. Ltd.; structural steel, Redpath Brown & Co. Ltd.; special roofings, Wm. Briggs Ltd.; glass, Pilkington Ltd., and Chance Bros.; patent glazing, Henry Hope & Sons Ltd.; wood-block flooring, F. H. Thompson & Sons; patent flooring, Highways Construction Ltd., Monophalt; central heating, A. R. Poole & Sons; gas fires, Bratt Colbran Ltd.; gasfitting, Matthew Hall & Co. Ltd.; boilers, Thomas Potterton Ltd.; electric wiring, Troughton & Young Ltd.; sanitary fittings, Shanks Ltd.; folding gates, Pickering's Ltd.; luminous handrailing, Pearsons Ltd.; plaster, Fred Harle & Sons Ltd.; joinery, Martins; acoustic-celotex-tiles, Horace W. Cullum & Co. Ltd.; mantels, James Gray & Son; furniture, Milners Safe Co. Ltd.; shrubs and trees, Kent, Brydon & Haigh Ltd.; office fittings, North of England School Furnishing Co. Ltd.; clocks, The Synchronome Co. Ltd.

House at Bishop's Stortford (pages 100-102). Architect: Donald R. Stewart, M.A., A.R.I.B.A. General Contractors: J. L. Glasscock & Sons Ltd. Sub-contractors: Flat roof and balcony finish, D. Anderson & Sons; refrigerator, Electrolux Ltd.; cooker, Simplex Electric Co.; water heater, Heatrae Ltd.; electricity installation, Northmet Power Co.; aluminium handrail, Morris Singer Co.; rainwater goods, Fredk. Braby & Co. Ltd.; door and window furniture, A. J. Binns & Sons; roof insulation, Huntley & Sparks Ltd.; facing bricks, Finnis and Rualt.

SPECIALISTS IN HARDWOOD FLOORING

F. H. THOMPSON & SONS

SKINNERBURN ROAD, NEWCASTLE-UPON-TYNE, 4 TELEPHONE: 33194
 LEEDS OFFICE: 6, ST. MARGARETS AV., ROUNDHAY, LEEDS TELEPHONE: 58029



**WORK DONE AT
 MESSRS. WHESOE LTD**

THE EXISTING WOOD BLOCK FLOORING IN THE OLD OFFICE BUILDING WAS TAKEN UP, CLEANED, TRANSPORTED TO THE NEW BUILDING THEN RELAID IN HERRING BONE PATTERN, SURFACED BY ELECTRIC SANDING MACHINE AND REPOLISHED.

FACILITIES FOR

Laying of all types of Hardwood Flooring (Wood Block, Strip and Parquetry)—subject to materials being available. Essential Repair of existing Hardwood Flooring by staff of skilled floor layers. Cleaning off existing Wood Floors by latest electric floor sanding machines.

SOME RECENT CONTRACTS

HAREWOOD HOUSE, YORKS. NEW SCIENCE BUILDING, KING'S COLLEGE, NEWCASTLE-ON-TYNE. S.S. "STRATHAIRD." S.S. "QUEEN OF BERMUDA." HOUSES FOR THE NORTH-EASTERN HOUSING ASSOCIATION. MINERS WELFARE COMMISSION—PIT HEAD BATHS AND INSTITUTES. NATIONAL COAL BOARD—COUNTY DURHAM OFFICE.



“By my periwig, methinks my descendants show a goodly sense. I perceive they still embellish their homes with the Paints of Nobles & Hoare”.



For over 160 years, Nobles & Hoare's Paints and Varnishes have made a major contribution to the grace and beauty of English Homes, and have been acknowledged by the discriminating to embody a long tradition of quality and excellence.

**NOBELIN ENAMEL PAINT. BODICOTE READY MIXED UNDERCOAT.
ALBAGLOSS SUPERFINE WHITE ENAMEL.
ALBAMATTE FLAT OIL PAINT. VARNISHES OF HIGHEST QUALITY.**

Nobles & Hoare Ltd.

Established 1787.

Varnish, Paint & Cellulose Lacquer Manufacturers,

Woodbridge Works, Kingston Road, Leatherhead, Surrey. Telephone: Leatherhead 2450 & 2992.

A Timely Reminder!

Bricklaying in Cold Weather

The following extract is from National Building Studies Bulletin No. 3—
“Concreting & Bricklaying in cold weather”—“... the mortar must not only
be prevented from freezing but also be maintained at a temperature considerably
above 32°F for several days, if anything approaching normal rates of hardening
is to be expected. It is therefore recommended that for cold weather work,
CEMENT: LIME: SAND: mortars of the order of 1: 1: 5-6 should be used rather than
the leaner 1: 2: 8-9 on-account of their increased strength and superior rates of
hardening.”

Further details on the use of

CEMENT/**LIME**/SAND MIXES



will be sent on application to

THE SOUTHERN LIME ASSOCIATION, 73/78, HIGH HOLBORN, LONDON, W.C.1

Telephone: HOLBORN 5434

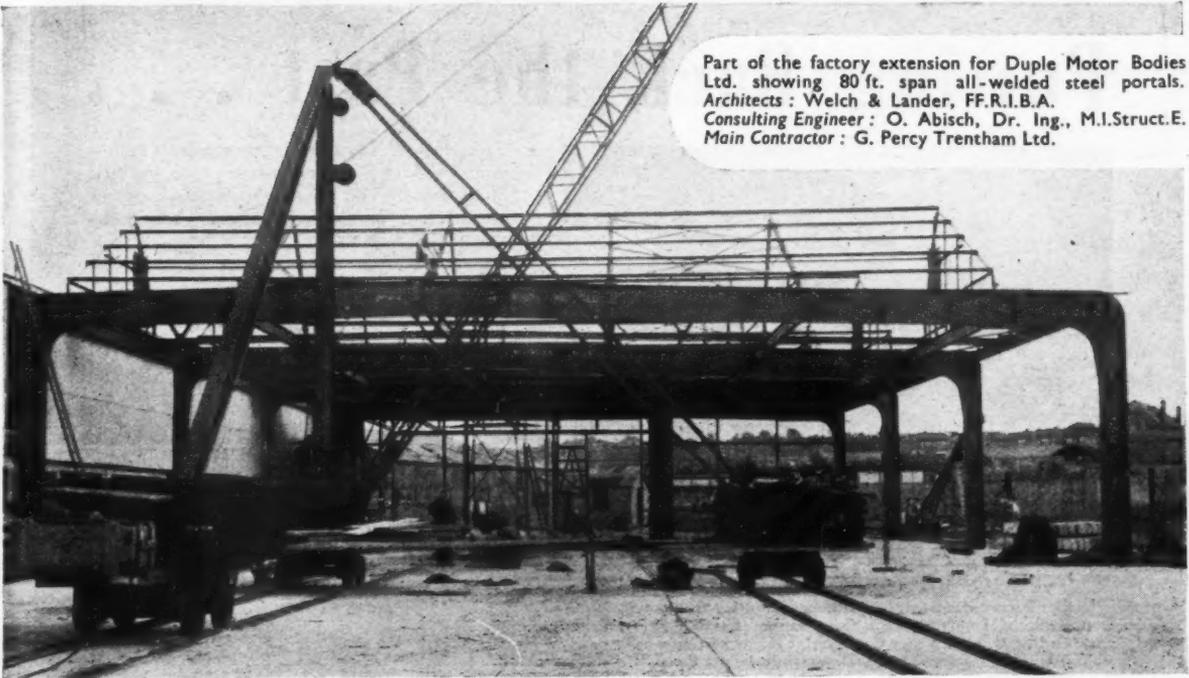
21

...but for trouble free installations

A black and white illustration showing a worker in a cap and overalls leaning over a large rectangular tank. The worker is using a tool to work on the interior of the tank. Various tools and equipment, including a bucket, a shovel, and a pipe, are scattered around the base of the tank. In the background, another worker is carrying a bucket on a yoke across their shoulders.

TRADE MARK
REDCLIFFE
TANKS & CISTERNS

JOHN LYSAGHT'S BRISTOL WORKS LTD., BRISTOL, 2.



Part of the factory extension for Duple Motor Bodies Ltd. showing 80 ft. span all-welded steel portals.
 Architects : Welch & Lander, F.F.R.I.B.A.
 Consulting Engineer : O. Abisch, Dr. Ing., M.I.Struct.E.
 Main Contractor : G. Percy Trentham Ltd.

Constructional Steelwork by **WESTWOODS**

JOSEPH WESTWOOD & CO., LTD., NAPIER YARD, MILLWALL, LONDON, E.14. TEL. EAS: 1043

Bridge & Constructional Engineers. Manufacturers of Pressed Steel Work, Mechanical Grabs and Sheet Metal Equipment. Steel Stock Holders.

C I

CONSTRUCTORS

STEEL EQUIPMENT

1 STEEL 'ARC' WORK BENCHES

2 'VISPANS' AND RACKS

3 CYCLE PARKS

4 STILLAGES AND JACK TRUCK PLATFORMS

5 ADJUSTABLE SHELVING FOR ALL STORAGE PURPOSES

6 STEEL CLOTHES LOCKERS

7 STEEL TOOL STANDS

SEND FOR CATALOGUE AJ/47
PLEASE QUOTE ITEM NUMBERS

CONSTRUCTORS LTD
 TYBURN ROAD · BIRMINGHAM 24 TELEPHONE: ERDINGTON 1616 · TELEGRAMS: EQUIPSTORS · BIRMINGHAM, 24

Putting Back the Past . . .



An example of difficult but highly successful restoration work by 'Reparations' is seen in these photographs. The contrast is indeed striking. 'Reparations' have a record second to none in this highly specialised field.



Contracts carried out by us include Romsey Abbey Bank of England, City Corporation, Canterbury Cathedral, Winchester Cathedral, Chichester Cathedral, Wellington College, Devonshire Club, Piccadilly, London Museum. Enquiries will receive immediate attention.

REPARATIONS & STEAM BRUSH CO. LTD.

129, GREAT SUFFOLK STREET, S.E.1. TELEPHONE: HOP. 2615
Scientific



CANTEEN KITCHENS

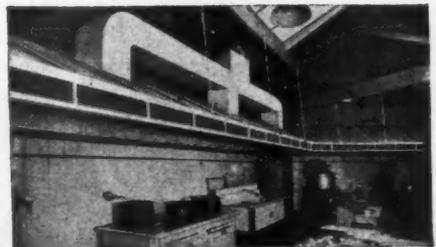
MAXIMUM LIGHT
& FUME EXTRACTION
WITH

HELLIWELL
Glazed Canopies

Designed to the specific requirements of canteens, hotels, restaurants, hospitals, etc., Helliwell Glazed Canopies bring health and comfort to the kitchen. Combined with efficient ventilating plant and erected over cooking ranges and boilers they extract fumes, odour and steam at the source. Completely glazed on all surfaces, they permit maximum light to reach the cooking area. Full details and recommendations will gladly be sent on receipt of your requirements.

HELLIWELL & COMPANY LIMITED
BRIGHOUSE, - YORKSHIRE, and 68, VICTORIA STREET, LONDON, S.W.1

C.4





British Made throughout

SUNDEALA HARDBOARDS

for

CAR BODIES & LININGS,
SHIP BUILDING,
RAILWAY CARRIAGES,
GENERAL BUILDING.

Including:-
TEMPORARY SHUTTERING
for POURED CONCRETE,
EXTERIOR SHEATHING,
WALL LININGS,
CEILINGS,
SIGN BOARDS and
PANEL WORK
Generally

Scientifically waterproofed to ensure greater permanence and durability, this famous All-British Hardboard is made in a complete range of standard sizes to meet all requirements.

SUNDEALA BOARD CO. LTD.
ALDWYCH HOUSE, LONDON, W.C.2

Telephone: CHAncery 8159

WORKS: SUNBURY-ON-THAMES, MIDDLESEX

GLASGOW: Baltic Chambers, 50, Wellington St., C.2

NEWCASTLE-UPON-TYNE: Northumbria House,
Portland Terrace, Jesmond, 2

Members of Building Board Manufacturers' Association



BUILDING CONSTRUCTION AND MAINTENANCE

WITH
RITO
Mastic

AND
RITOLASTIC

Liquid
"At the vital points"

The approved bituminous compounds for permanently jointing, sealing, damp coursing, resurfacing, waterproofing and preserving all types of ROOFS STEELWORK and CONCRETE FOUNDATIONS.

**WATER REPELLANT
ACID RESISTANT**

**ANTI-CORROSIVE
PRESERVATIVE**

(Specify:—RITOLASTIC AL Grade, the triple-purpose liquid compound with ALUMINIUM FINISH when light reflection is a consideration).

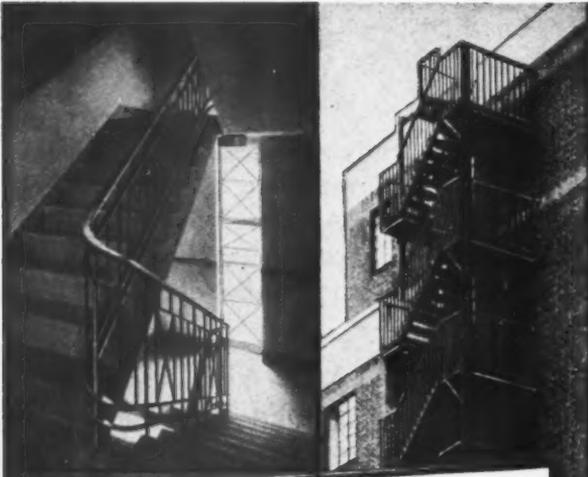
The services of Technical Representatives are available in all parts of the country without obligation. Write, requesting a call, to:— "House Construction and Maintenance Department."

A N D R E W M A X W E L L

(The Liverpool Bitax Co. Limited)

6 ST. PAUL'S SQUARE, LIVERPOOL, 3. 'Phone: Central 1783-4-5. 'Grams: ALKALINE

IRON STAIRCASES



S.W.
FARMER
 & SON LIMITED

Established 50 years (1898-1948)

LEWISHAM, LONDON, S.E.13
 IRON STAIRCASES, LIGHT STEELWORK,
 RAILINGS, GATES, BALUSTRADING, STEEL
 DOORS, ARCHITECTURAL METAL WORK
 TELEPHONE : LEE GREEN 4334-8



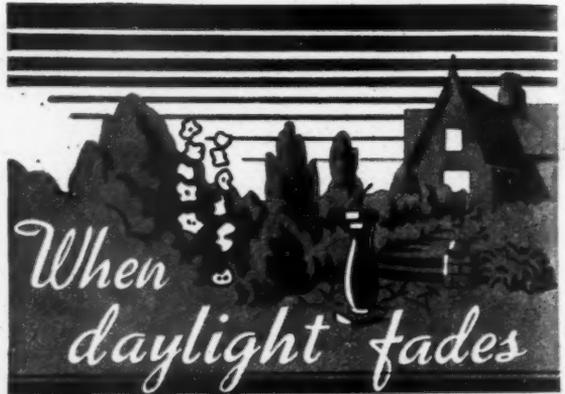
WRITE FOR "FARMER
 SERVICE" BROCHURE

AREA REPRESENTATIVES

NORTHERN IRELAND
 Edwin H. Rand Ltd.
 74 May Street, Belfast.
 Telephone : 21756

W. MIDLANDS and
S. WALES. C. G. Reeks,
 17 St. George's Road,
 Cheltenham, Glos.
 Telephone : Chel. 52278

NEWCASTLE-ON-TYNE
 Bede Distributors Ltd.
 32 Carlisle Street.
 Telephone : 21093-4



Switch to

METROVICK
 and
COSMOS
 lamps

METROPOLITAN-VICKERS ELECTRICAL CO LTD.
 NUMBER ONE KINGSWAY LONDON W.C.2

S/A903



GASKELL AND CHAMBERS
EXPERIENCE FOR THE BEST
FORMICA
TECHNIQUE

A special FORMICA technique, developed exclusively by G. & C. craftsmen, achieves an impeccable finish when this versatile material is used for Counter Fronts, Bar and Table Tops. More abrasion-resistant than any plastic previously produced, and completely cigarette-burn proof, FORMICA is now available in a range of attractive colours.



BRITAIN'S BIGGEST BAR FITTERS

Head Office : Dalex Works, Coleshill St., Birmingham, 4 and at London, Bristol, Cardiff, Leeds, Portsmouth, Newcastle-on-Tyne, Liverpool, Manchester, Preston, Hanley, Sheffield, Nottingham, Glasgow, Edinburgh.

SEALOCRETE SEALANTONE

SEALOCRETE

**MAKES CONCRETE
DUSTPROOF
OILPROOF
WATERPROOF
CASE HARDENED**
Rapid hardens—seals leaks under pressure
**ENABLES CONCRETING TO BE
CARRIED OUT IN FROSTY WEATHER**

SEALANTONE

**THE ORIGINAL
AND UNIQUE
NON-FADING
LIQUID COLOURS**
for
CONCRETE, CEMENT, ROUGH CAST, ETC.
ASSURES Intensity and Uniformity with Extreme
Hardness; PREVENTS Dust; AIDS Water, Grease
and Oil Resistance . . .
ALL THESE IN ONE OPERATION

SOLE MANUFACTURERS

SEALOCRETE PRODUCTS LTD ATLANTIC WORKS, MACBETH ST.W.6.

Telephone: RIVerside 2686-7.

Telegrams: Exploiture, London.



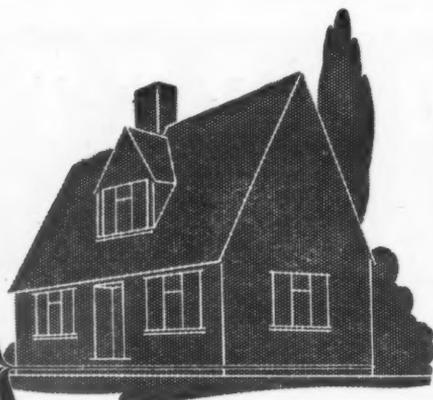
For
high quality
Decorative Finishes
specify

**GUARDIAN HARD ENAMEL
GLOSS PAINT**

MAY-FAIR FLAT WALL ENAMEL

Manufactured by
**THE TEMPLE VARNISH
CO. LTD.**
43 ALDWYCH, LONDON, W.C.2
Tel: TEMple Bar 9935

it
rests
on the
damp-
course



The success of a building's resistance to rising moisture rests on the dampcourse. Architects and Surveyors who appreciate the modern need for a permanent but flexible dampcourse to withstand normal foundation settlement, invariably specify Astos 100% Mineral Dampcourse, a balanced combination of selected bitumens and asbestos fibres.

ASTOS

100% MINERAL DAMPCOURSE

THE RUBEROID CO. LTD., 2, Commonwealth House, New Oxford St., London, W.C.1

More than conforms with the requirements of British Standard Specification, No. 743/1941. Supplied in rolls of 24 in. ft. in all wall widths up to 36 ins.

A.22 (c)

xliv

**A Quick and Efficient
means of obtaining
the attractive
'TYROLEAN' FINISH
to wall surfaces**

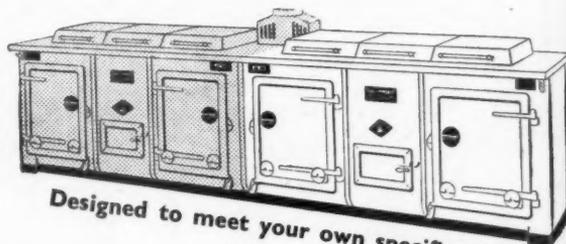


The 'TYROLEAN' Machine
Mark I.

Recommended by The Cement Marketing Co. Ltd. for applying CULLAMIX and other cement mixtures rapidly and evenly.

Demonstrations arranged on site.
Send first for illustrated leaflet.

Weathershields
MOOR STREET
BIRMINGHAM 4



Designed to meet your own specifications...

There's an ESSE
for every purpose
but each model offers



- | | |
|--------------------------------------------------|--------------------------------------------------------------------------------|
| 1 really low fuel cost | 5 no oven flue cleaning |
| 2 24-hour service
(continuous burning) | 6 simple maintenance |
| 3 fast-boiling hotplate | 7 no fumes, soot in the kitchen. (Fuel: anthracite, Phurnacite or coke) |
| 4 large fume-free ovens | |

No wonder ESSE Heat Storage Cookers are so widely installed in hospitals, canteens, schools and homes throughout the world.

ESSE major heat storage cookers

THE ESSE COOKER COMPANY

Prop: Smith & Wellstood Ltd. Est. 1854

Bonnybridge, Scotland

and at London, Liverpool, Edinburgh & Glasgow



Maximum strength, minimum obscuration of light, extreme durability and attractive neatness of design are four outstanding characteristics of "Paragon" Lantern Lights and Skylights, whether of standard pattern (24 sizes), or purpose-made to suit any curb-trimming. They are manufactured outright by us at our Deptford Works from materials of pre-war quality. All opening sashes are double-weathered and hung on brass cup-pivots. The steel glazing bars are, of course, of the well-known "Paragon" type and standard, being of completely lead-clothed steel.

Our Brochure "A" will be sent you on request.

PARAGON GLAZING CO. LTD.

1 • VICTORIA ST. • WESTMINSTER • S.W.1

Telephone: ABBey 2348.
Pte. Br. Exch.

Telegrams: "Eclairage, Sowest" London



**MOULDEX
RUBBER
FLOORING**

The Co-operative Industrial Society Ltd., Newport, Mon., wanted a flooring that would provide a bright, lively atmosphere in their Grocery and Provisions Department. It had to stand up to constant foot traffic yet keep its original beauty. So they installed MOULDEX Rubber Flooring.

Photograph by courtesy of the Co-operative Industrial Society Ltd., Newport, Mon.

You can see how well-planned, expertly laid MOULDEX Rubber Flooring adds distinction to the whole interior. Hand set, a tile at a time, by experts of our Floor Laying Service, it can be laid on any type of sub-floor. Even on concrete in direct contact with the ground. Our Floor Laying Service is always at your disposal. Always ready to plan and speedily instal flooring exactly

sued to the decorative scheme of your business. MOULDEX Rubber Flooring is available in several forms, both in plain and marbled colours—Tiles in three sizes and thicknesses—Continuous lengths—Mats—Stair Nosing in many sizes and colours. MOULDEX Rubber Plastic Underlay gives a level surface to worn or uneven sub-floors.



BRITISH MOULDEX RUBBER CO. LTD.
140 PARK LANE, LONDON, W.1. PHONE: MAYFAIR 5821-2-3-4

ASBESTOS CEMENT ROOFING . . .

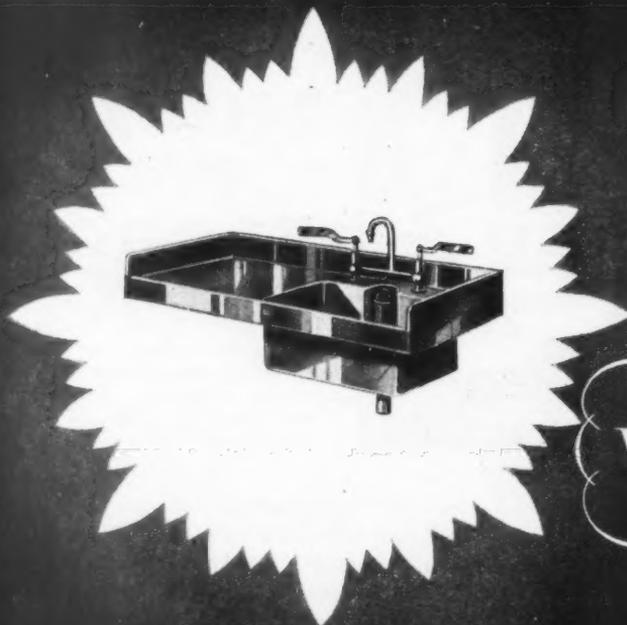
FLAT, SEMI-FLAT TROUGHING (1° 42", RAFTER BACK 4°), NEWTONE
ASBESTOS CEMENT SLATING, PITCHED ROOFING, DOUBLE OR
COMBINED ROOFING, REINFORCED ASBESTOS CEMENT ROOFING

*. . . for the supply, delivery and erection of
Asbestos Cement Roofs of any type or make
consult . . .*

THE BODDY ROOFING COMPANY LIMITED

18-23 CHARTERHOUSE SQUARE, LONDON, E.C.1.

Telephone: CLErkenwell 2426



STAINLESS
STEEL

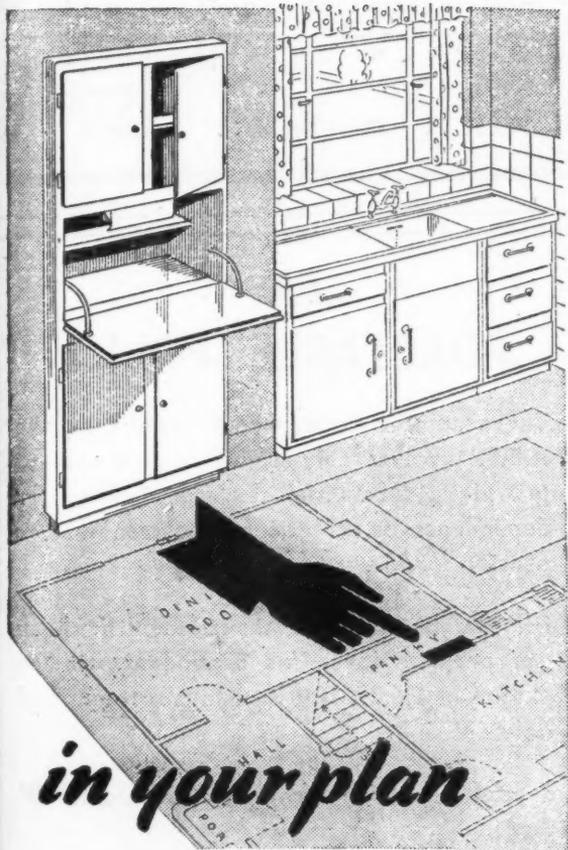
W.H.PAUL LTD.



BREASTON · DERBY · ENGLAND

Tel: DRAYCOTT 354/5. GRAMS: STAINLESS, BREASTON CODE: BENTLEY'S 2nd EDITION

The cabinet you can include



in your plan

- Hand made to build into the kitchen.
- Practical design—attractive appearance.
- Fall front mounted on patent supports.
- Ample cupboard space, semi-concealed hinges throughout.
- Toe recess for comfortable working.
- Finished in hard wearing enamel.
- Its substantial quality ensures years of useful service.
- Three models to choose from.
- Size: 6ft. high × 34in. wide × 18in. deep.
- Full particulars on request.



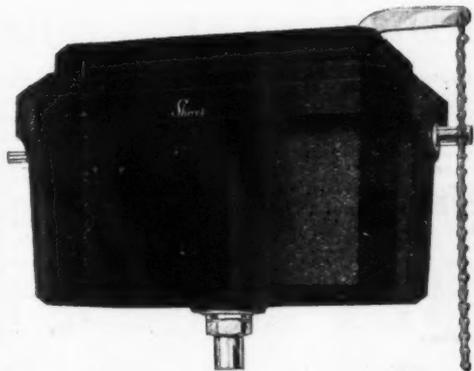
FRAYS (ENGINEERS) LIMITED
ALBION WORKS, BIDDULPH, STOKE-ON-TRENT
Telephone: BIDDULPH 3276



*instant
response*

THERE'S no uncertainty when a Shires Cistern is operated. Nothing to 'hit or miss.' Nothing to be humoured. The syphon is designed to start first time—and it does. The fittings are a precision job, soundly designed and made from materials which will not corrode. (Corrosion causes much of the noise in the older types of cistern.) Shires fittings in a tough, durable and non-corroding Shires shell are an assurance of silence, efficiency and reliability.

Specify SHIRES Cisterns—and see that you get them.



Shires

'DURANITE'

FLUSHING CISTERNS

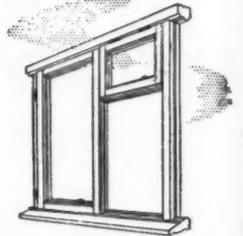
Supplied through all leading Merchants. Write for technical details, drawings, samples and names of nearest stockists.

SHIRES & CO. (LONDON) LTD.
2-9, Normans Buildings, Central St., London, E.C.1
Telephone: CLERKENWELL 6384 (5 lines)

What makes STANDARD PLUS?



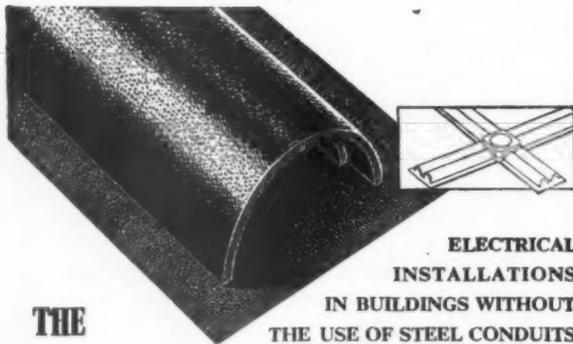
Those who know us well might say "Just because it's Norris." We make all our joinery better than we have to. That's our policy. In plain fact, a Norris Window has everything all other windows have and that essential bit extra. That's what makes STANDARD PLUS



C. W. NORRIS LIMITED . FARNWORTH . BOLTON . LANCs.

Telephone: Farnworth 363-4-5

dm CN 32



**ELECTRICAL
INSTALLATIONS
IN BUILDINGS WITHOUT
THE USE OF STEEL CONDUITS**

THE KEY FIBRE

UNDERFLOOR DUCT WIRING SYSTEM

Used extensively in the most modern office buildings and factory premises, Key Fibre Ducts provide for all present and future electrical requirements. Designed for maximum flexibility, Key Fibre Ducts can be tapped where and when required, at any time during the life of the building. Key Fibre is non-condensing and non-corrodible. Full details and specification will be sent on application.

★ EXPORT!

Agent's names for European, African and Middle East countries will be supplied on application.

THE KEY ENGINEERING CO. LTD.

4 QUEEN VICTORIA STREET,
LONDON, E.C.4
*Phone: City 2235-6

TRAFFORD PARK,
MANCHESTER
*Phone: Trafford Park 1908

AN ADAPTABLE POLICY

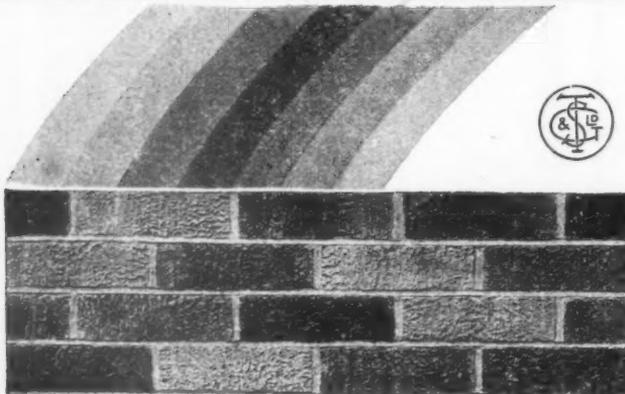
The adaptable policy recommended by the A.B.S. involves only a small annual cost to provide a substantial tax free income for dependents, or on retirement a cash sum or pension for life.

For example a man of 30 years next birthday can provide cover for dependents to the extent of £6,250 for an annual premium of only £35 6. 8.

Special rebate for Architects and Architects' Assistants.

Particulars from :

**The Secretary,
A.B.S. INSURANCE DEPARTMENT
66, Portland Place, London, W.1.
(Tel. : WELbeck 5721)**



"MULTIRUF"^{REGD} FACING BRICKS

RAINBOW COLOURINGS

Tucker's "MULTIRUF" Facing Bricks are a machine-made, hand-finished brick with a rustic face. Handsome in appearance yet inexpensive. Made in a range of artistic colourings.

ENQUIRIES INVITED.

G. TUCKER & SON LTD
LOUGHBOROUGH, LEICESTERSHIRE. Phone 2246-7

BOOKS

on
Domestic Architecture

THE MODERN HOUSE IN ENGLAND

(Revised edition)

By F. R. S. Yorke F.R.I.B.A. Price 21s. Post 9d.

SMALL HOUSES

£500—£2,500 (Pre-war)

By H. Myles Wright A.R.I.B.A. Price 10s. 6d. Post 9d.

THE MODERN HOUSE

(Revised edition)

By F. R. S. Yorke F.R.I.B.A. Price 21s. Post 9d.

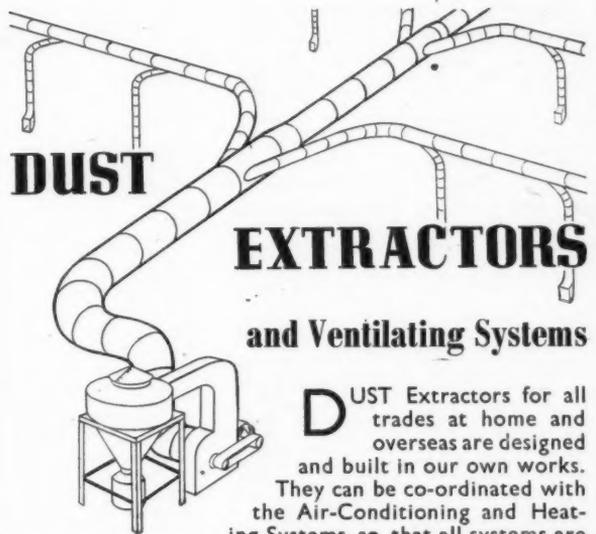
THE MODERN FLAT

(Revised edition)

By Yorke & Gibberd. Price 35s. Post 10d.

THE ARCHITECTURAL PRESS

9-13 Queen Anne's Gate, Westminster



DUST

EXTRACTORS

and Ventilating Systems

DUST Extractors for all trades at home and overseas are designed and built in our own works.

They can be co-ordinated with the Air-Conditioning and Heating Systems so that all systems are

part of a scientifically planned whole. Furthermore, as all the work is carried out by our own men, control on the site is as simple and efficient as possible.

Executives interested in our comprehensive service should obtain a copy of Booklet No. 10 giving details of what we make.

**BIRMINGHAM & BLACKBURN
CONSTRUCTION CO., LTD.**

ARMOURY CLOSE · BORDESLEY GREEN · BIRMINGHAM 9
AND AT HARLEY STREET · BLACKBURN

AUTOMATIC!

The WILLCOX Electric PISTON PUMP

will

maintain supply tank water level or will empty sump as water accumulates—without attention.

Equipment includes Stainless Steel Piston Rod with Bronze Piston, Hoffmann Main Bearings and many other refinements to ensure long and trouble-free service.

Continuous capacity 400 galls. per hour.

Low Current consumption.

Floor space—2' 6" x 1' 3".

Write for folder giving full technical details.



W. H. WILLCOX & CO., LTD.
SOUTHWARK ST., LONDON, S.E.1.

WAT. 4961.

CLASSIFIED ADVERTISEMENTS

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

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

Available only to applicants excepted from the Control of Engagement Order, 1947.

Public and Official Announcements
2ls. per inch; each additional line, 2s.

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. ADDRESS: EMPLOYMENT REGISTER, WARREN PARK, WRYTHELEAF, Tel.: Uplands 0335. 991

LONDON COUNTY COUNCIL. Applications are invited for unestablished positions of (i) ARCHITECT, Grade III (salaries up to £700 a year) and (ii) ARCHITECTURAL ASSISTANTS (salaries up to £580 a year), in the Housing and Valuation Department. Commencing salaries in either grade will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

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

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

LANCASHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT. Applications are invited for the following appointments on the permanent staff:—

(a) SENIOR ASSISTANT ARCHITECTS, Grade VIII. Salary £685-£760. Candidates must have high ability in design, and be capable of taking charge of large contracts.

(b) SENIOR ASSISTANT STRUCTURAL ENGINEER, Grade VIII. Salary £685-£760. Candidates must have a wide experience of structural steelwork design and detailing. Experience of R.C. design will be an advantage.

(c) SENIOR ASSISTANT HEATING ENGINEERS, Grade VIII. Salary £685-£760. Candidates must have a wide experience of design of heating and hot water installations in all types of County buildings.

(d) SENIOR ASSISTANT LAND SURVEYORS AND VALUERS, Grade VIII. Salary £685-£760. Candidates must have a wide experience in surveying, valuation and negotiating.

(e) SENIOR ASSISTANT QUANTITY SURVEYORS, Grade VIII. Salary £685-£760. Candidates must have a wide experience of the work of a quantity surveyor, and be capable of taking charge of a section.

(f) SENIOR ASSISTANT ARCHITECTS, Grade VII. Salary £636-£710.

(g) SENIOR ASSISTANT QUANTITY SURVEYORS, Grade VII. Salary £635-£710. Candidates must have a wide experience of the work of a Quantity Surveyor.

(h) SENIOR ASSISTANT LAND SURVEYORS AND VALUERS, Grade VII. Salary £635-£710. Candidates must have a good experience in surveying, valuation and negotiating.

(i) ASSISTANT STRUCTURAL ENGINEER, Grade VI. Salary £595-£660. Experience of reinforced concrete, as well as structural steelwork design and detailing, will be an advantage.

(j) ASSISTANT ELECTRICAL ENGINEERS, Grade VI. Salary £595-£660. Candidates must be competent to prepare schemes of lighting and power for new schools and other County buildings.

(k) ASSISTANT HEATING ENGINEER, Grade VI. Salary £595-£660. Candidates must be competent to design heating and hot water installations for all types of County buildings.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937; to a satisfactory medical examination, and to the termination of each appointment by one month's notice in writing on either side.

Applications should be forwarded on the forms to be obtained from the County Architect, G. Noel Hill, F.R.I.B.A., M.T.P.I., County Offices, Preston, to whom they should be returned, accompanied by copies of three recent testimonials, to arrive not later than Saturday, 5th February, 1949.

R. H. ADOCK, Clerk of the County Council. County Offices, Preston. 1361 5th January, 1949.

THE UNIVERSITY OF MANCHESTER. CHAIR OF TOWN AND COUNTRY PLANNING.

Applications are invited for appointment to a newly instituted Chair of Town and Country Planning. Salary £1,450 per annum, with membership of the F.S.S.U. and Children's Allowance Scheme. Further particulars may be obtained from the Registrar, The University, Manchester, 13, to whom applications must be sent not later than 1st March, 1949. 1463

CARDIGANSHIRE COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT. SENIOR PLANNING ASSISTANT.

Applications are invited for the above appointment in A.P.T. Grade III (£450-15-£495). The commencing salary within the grade will be determined according to the qualifications and experience of the successful applicant.

Applicants should have general planning experience and preference will be given to those who have passed the Intermediate Examination of the Town Planning Institute or other technical institution.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, the National Joint Council's Scheme of Conditions of Service, the passing of a satisfactory medical examination and to one month's notice on either side.

Applications on forms obtainable from the undersigned must be submitted not later than 5th February, 1949.

NORMAN GREENWOOD, Acting Clerk to the Committee. Cambrian Chambers, Aberystwyth. 1457

SURREY COUNTY COUNCIL. APPOINTMENT OF DEPUTY COUNTY ARCHITECT.

Applications are invited for the appointment of Deputy County Architect. The salary attaching to the post will be £1,250 per annum, rising by annual increments of £50 to a maximum of £1,400 per annum. Travelling and subsistence allowances will be paid according to the Council's scale.

The appointment will be terminable by three months' notice on either side, and will be subject to the provisions of the Local Government Superannuation Act, 1937, and to a medical examination.

Applications are to be received on or before Saturday, 5th February, 1949, to be addressed to the County Architect, County Hall, Kingston-on-Thames, and are to be on the prescribed form, which will be supplied on application to him.

Canvassing, directly or indirectly, will disqualify.

DUDELEY AUKLAND, Clerk of the Council. County Hall, Kingston-on-Thames. 1373

HIS MAJESTY'S COLONIAL ENGINEERING SERVICE.

A vacancy exists on the permanent and pensionable staff of the Lands and Mines Department, Tanganyika, for a CHIEF TOWN PLANNING OFFICER, Salary £1,535 per annum. Candidates must be Corporate Members of the Town Planning Institute and of the Royal Institute of British Architects and have a sound knowledge and experience of Town Planning Legislation and of the administration and preparation of Town Planning Schemes. Age limits 30-40 years of age.

Free list class passages will be provided for the officer, his wife and family on first appointment and on leave. Partly furnished Government quarters will also be provided at a low rental. Home leave at the rate of 5 days per month of resident service at the end of each tour of 2 to 3 years.

Intending candidates should write at once for further particulars and form of application to the Director of Recruitment, Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting reference number 27281/22. 1418

METROPOLITAN BOROUGH OF WANDSWORTH. ARCHITECTURAL ASSISTANTS.

Applications are invited for three established appointments of ARCHITECTURAL ASSISTANT, in the Borough Architect's Department, at salaries each in accordance with Grade A.P.T., IV, viz., £510-£555 per annum inclusive.

Candidates should have had good professional training and experience in housing design and general architectural work. Preference will be given to candidates who have passed an Examination of the Royal Institute of British Architects. Forms of application may be obtained from the Borough Architect, and must be returned to the undersigned not later than 4th February, 1949.

R. H. JERMAN, Town Clerk. Municipal Buildings, Wandsworth, S.W.18. 11th January, 1949. TC/RCV/MC/E. 1419

CAITHNESS COUNTY COUNCIL.

Applications are invited for the combined post of COUNTY ARCHITECT AND PLANNING OFFICER, for the County of Caithness, from persons who have had a thorough training and experience in Architectural Designing and Construction. Applicants should be Fellows or Associates of the Royal Institution of British Architects and Associate Members of the Town Planning Institute, and experience of Local Government work will be regarded as an advantage. The appointment is a whole time one and will be superannuable. Salary £850 by £30 to £1,000.

Travelling expenses will be paid according to the Council's scale. For further particulars application should be made to the Subscriber with whom written applications (and copies of three recent testimonials), giving full particulars of age, experience and qualifications, should be lodged by 16th February, 1949.

Canvassing in any form will be a disqualification.

JAMES ROBERTSON, County Clerk. County Offices, Wick. 10th January, 1949. 1407

CUMBERLAND COUNTY COUNCIL. CLERKS OF WORKS.

Applications are invited for the appointment of Two Clerks of Works to supervise the erection of:—

- (a) New Primary School at Maryport.
- (b) New Secondary Modern School at Kells, Whitehaven.

The inclusive wage will be £10 10s. per week. Applicants should have good practical knowledge of all grades and experience in the erection of steel frame buildings, and should be able to measure up work.

The appointments will be temporary and subject to four weeks' notice on either side.

Applications, stating age, present employment, qualifications and experience, together with copies of three testimonials, should be delivered to John H. Haughen, F.R.I.B.A., County Architect, 15, Portland Square, Carlisle, not later than 31st January, 1949.

G. N. C. SWIFT, Clerk of the County Council. 1425

SEDFIELD RURAL DISTRICT COUNCIL. TWO ARCHITECTURAL ASSISTANTS IN THE HOUSING DEPARTMENT.

The above Council invite applications for the posts of Architectural Assistants in the Housing Department. Two are required. Applicants should be fully experienced in the preparation of sketch plans and working drawings, taking off quantities and preparing specifications, surveying and levelling (preferably relating to Housing). The persons appointed will act under the direct supervision of the Housing Architect or his Deputy. The salaries will be fixed within Grade III, A.P.T. Division of the National Scale of Salaries, which commences at £590 per annum and rises to £435 per annum, the commencing of the qualifications and experience of the selected candidates. In addition to the salary, there is a fluctuating cost-of-living bonus, at present £78 per annum. The appointments will be subject to one month's notice on either side. Applications, stating age, experience and present employment, together with the names and addresses of two referees, should be in my hands by noon on Wednesday, the 2nd February, 1949. Candidates should state whether they are related to any member or senior officer of the Council.

W. H. HAGGIE, Clerk to the Council. Council Offices, Sedgfield, Stockton-on-Tees. 1416

LANCASHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff:— SENIOR ARCHITECTS, Salary £760-£860. Candidates must have a high ability in design and construction; be capable of organizing and supervising staff controlling large contracts.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937; to a satisfactory medical examination, and to the termination of each appointment by one month's notice in writing on either side.

Applications should be forwarded on the forms to be obtained from the County Architect, G. Noel Hill, F.R.I.B.A., M.T.P.I., County Offices, Preston, to whom they should be returned, accompanied by copies of three recent testimonials, to arrive not later than Saturday, 5th February, 1949.

R. H. ADOCK, Clerk of the County Council. County Offices, Preston. 1430 12th January, 1949.

WARWICKSHIRE COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT.

Applications are invited for the following appointments:—

- (a) SENIOR PLANNING ASSISTANT. A.P.T., Grade VII (£635 to £710 per annum).
- (b) SENIOR PLANNING ASSISTANT. A.P.T., Grade VA (£550 to £610 per annum).
- (c) PLANNING ASSISTANT. A.P.T., Grade IV (£480 to £525 per annum).
- (d) TWO PLANNING ASSISTANTS. A.P.T., Grade II (£420 to £465 per annum).

Applicants for post (a) must be Associate Members of the Town Planning Institute. The successful applicant will be responsible for the preparation of the Development Plan for approximately one-third of the County area, and will be stationed at Warwick. He should have had experience with a County Council or a Joint Planning Committee.

For post (b) preference will be given to applicants who have had experience in amenity preservation, i.e., tree preservation, advertisement control, landscaping, etc.

For the other appointments applicants should have passed the Intermediate examination of the Town Planning Institute, and should have a good general planning experience.

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

Applications, together with one recent testimonial, and giving the names and addresses of two persons to whom reference may be made, should be forwarded to J. J. Brooks, M.T.P.I., M.I.M.S., County Planning Officer, Shire Hall, Warwick, not later than Saturday, 5th February, 1949.

Canvassing, directly or indirectly, will be a disqualification.

L. EDGAR STEPHENS, Clerk of the Council. Shire Hall, Warwick. 7th January, 1949. 1400

CITY OF COVENTRY.

Applications are invited for the following whole-time appointments on the permanent staff of the City Architectural Department:—

- (a) TWO ASSISTANT ARCHITECTS. Salary Grade A.P.T. VII (£635 to £710 per annum).
- (b) TWO ASSISTANT ARCHITECTS. Salary Grade A.P.T. V (£520 to £570 per annum).

Candidates for the above appointments should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications.

- (c) ONE ASSISTANT ARCHITECT. Salary Grade A.P.T. II (£420 to £465 per annum).
- (d) ONE ASSISTANT QUANTITY SURVEYOR, acting as Section Deputy. Salary Grade A.P.T. VII (£635 to £710 per annum).

Candidates for (d) should be Professional Associates of the Royal Institute of Chartered Surveyors (Quantities Division).

- (e) ONE HEATING AND VENTILATING ENGINEERING ASSISTANT. Salary Grade A.P.T. III (£450 to £495 per annum).

Salary increments are subject to satisfactory service.

In certain cases housing accommodation will be available for successful applicants for posts (a), (b) and (d).

The posts are subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, as amended in regard to annuities to widows by the Coventry Corporation Act, 1936, and a satisfactory certificate will be requisite from the Council's medical referee. The successful male applicants will be required to contribute to the Coventry Municipal Officers' Widows' and Orphans' Pension Fund.

Applications for all the above appointments must be made on the forms obtainable from the undersigned and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than Tuesday, 26th January, 1949.

Canvassing, directly or indirectly, will be a disqualification.

D. E. E. GIBSON, *City Architect.*

11, Warwick Row, Coventry. 1439

COUNTY BOROUGH OF GRIMSBY. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT. APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments of Architectural Assistants:—

- Grade A.P.T., V (£520, rising to £570 per annum).
- Grade A.P.T., IV (£480, rising to £525 per annum).

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

Applications, stating age, qualifications and details of experience, together with copies of two recent testimonials, must be suitably endorsed and delivered to the undersigned not later than first post on Monday, 14th February, 1949.

Applicants are requested to indicate in their application if housing accommodation is expected.

J. V. OLDFIELD, *Borough Engineer and Surveyor.*

Municipal Offices, Town Hall Square, Grimsby. 1429

COUNTY BOROUGH OF NORTHAMPTON.

Applications for the following appointments in the Borough Architect's Department, stating age, qualifications, experience, present post and salary, whether related to any member or senior officer of the Council, and giving the names of two persons to whom reference can be made, should be delivered to:—

- (a) ONE ASSISTANT ARCHITECT, A.B.A., A.M.T.P.I., Borough Architect and Town Planning Officer, not later than 3rd February, 1949.
- (b) TWO ASSISTANT ARCHITECTS. Salary Grade A.P.T. III (£450-£495).
- (c) TWO ARCHITECTURAL ASSISTANTS. Salary Grade Misc. I (£315-£360).

Candidates for appointments (a) should be experienced in the preparation of working drawings and estimates and in the writing of specifications for minor works of a general character.

Candidates for appointments (b) should have had experience in the general duties of an Architect's Office and should be capable of producing working drawings and details under supervision. The work in hand includes new schools, flats, housing and miscellaneous works, and opportunities will be available for experience over a wide field. Previous employment in a Local Government Office is not essential.

Canvassing will disqualify.

C. E. VIVIAN ROWE, *Town Clerk.*

Guildhall, Northampton. 1434

LONDON TRANSPORT EXECUTIVE.

Applications are invited for the following temporary appointments on the staff of the Architectural Department:—

- (a) ARCHITECTURAL ASSISTANTS. Fully qualified and experienced. Salary range £500-£550 per annum.
- (b) GENERAL TECHNICAL ASSISTANTS. Passed Intermediate standard, with office experience. Salary range £215 to £245, according to age and qualifications.

Applications, giving full particulars of training and experience, to be addressed to the Staff Officer (F/EV.29), London Transport Executive, 8, Broadway, S.W.1. 1977

BOROUGH OF MANSFIELD. APPOINTMENT OF GENERAL ARCHITECTURAL ASSISTANT.

Applications are invited for the above vacancy in the Borough Engineer and Surveyor's Department, at a salary in accordance with A.P.T., Grade I (£390 to £435).

Applicants should have received a regular training in architecture, and preference will be given to candidates who have passed the Intermediate R.I.B.A. or similar examination.

- The appointment is subject to:—
- (a) The Superannuation Act, 1937.
- (b) Medical examination.
- (c) N.J.C. Scheme of Conditions and Service.

(d) A month's notice on either side.

(e) Residence within the Borough.

Applications, stating age, training, qualifications, past and present appointments and present salary, and experience, to be delivered to the undersigned not later than Monday, 7th February, 1949, endorsed "General Architectural Assistant."

Canvassing, either directly or indirectly, will disqualify.

A. C. SHEPHERD, *Town Clerk.*

Carr Bank, Mansfield. 1490

COUNTY BOROUGH OF MERTHYR TYDFIL. SCHOOLS ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of a Schools Architectural Assistant, on the permanent staff in the Department of the Borough Architect, Engineer and Surveyor, at a salary in accordance with A.P.T., Grade VI (£595 to £660 per annum). Candidates must have had experience in the design and construction of new school buildings and canteens and the adaptation and extension of existing schools, and in the preparation of specifications, bills of quantity and estimates in connection therewith, and should be an Associate of the Royal Institute of British Architects or have reached a similar standard.

The tenancy of a Council house will be made available to the successful applicant.

Applications, endorsed "Schools Architectural Assistant," stating age, qualifications and experience, together with copies of three recent testimonials, must be delivered to the undersigned not later than Tuesday, 15th February, 1949.

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

The appointment will be terminable by one month's notice on either side. Canvassing, directly or indirectly, will be a disqualification.

EDWARD ROBERTS, *Town Clerk.*

Town Hall, Merthyr Tydfil. 1487

COUNTY BOROUGH OF BURTON-UPON-TRENT. APPOINTMENT OF PLANNING ASSISTANT.

Applications are invited for the above-mentioned appointment in the Town Planning Section of the Borough Surveyor's Department, at a commencing salary of £520 per annum, in accordance with Grade V, A.P.T. Division, and subject to the National Scheme of Conditions of Service relating to Local Government Officers.

Applicants must have had previous experience in planning, particularly with regard to built up areas, and be acquainted with modern legislation and technique, and should possess a recognized Town Planning qualification.

Experience in engineering, surveying and administration of building byelaws will be considered an advantage.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to determination by one month's written notice on either side. The successful candidate will be required to pass a medical examination by the Medical Officer of Health.

Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials, must be delivered to the Borough Surveyor, Town Hall, Burton-upon-Trent, not later than 10 a.m. on Saturday, 19th February, 1949.

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

H. BAILEY CHAPMAN, *Town Clerk.*

Town Hall, Burton-upon-Trent. 1486

COUNTY BOROUGH OF DUDLEY. BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment:—

- (a) CHIEF ASSISTANT ARCHITECT. Grade VI, £595-£660.

The appointment is superannuable and the successful applicant will be required to pass a medical examination. Applicants must be Associates of the Royal Institute of British Architects and possess good experience in the control of staff, organization of work, and have a sound knowledge of modern design and construction.

Applications, stating age, qualifications, and experience, and giving names of two persons to whom reference can be made, must be delivered to the undersigned on or before Friday, the 11th February, 1949.

P. D. WADSWORTH, *Town Clerk.*

The Council House, Dudley. 1485

COUNTY BOROUGH OF BURTON-UPON-TRENT. APPOINTMENT OF CHIEF ASSISTANT ARCHITECT.

Applications are invited for the appointment of a Chief Assistant Architect, to work under the supervision of the Borough Surveyor, at a commencing salary of £800 per annum, rising subject to satisfactory service, by two equal annual increments of £50 to £900 per annum.

A flat will be made available to the selected candidate.

Applicants must be fully qualified architects and be capable of the design and execution of the several works required in a Municipal Engineer's Office.

The appointment will be subject to the successful candidate passing a medical examination by the Medical Officer of Health, to determination by one month's written notice on either side, and to the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials, must be delivered to the Borough Surveyor, Town Hall, Burton-upon-Trent, in sealed envelopes, endorsed "Chief Assistant Architect," not later than 10 a.m. on Saturday, the 19th February, 1949.

H. BAILEY CHAPMAN, *Town Clerk.*

Town Hall, Burton-upon-Trent. 1502

MINISTRY OF EDUCATION. PRINCIPAL ARCHITECT (TEMPORARY).

Applications are invited for a new post of PRINCIPAL ARCHITECT (TEMPORARY) in connection with the development wing in the Architect's Branch of the Ministry. Among the tasks of the development wing is the implementation of the relevant sections of the Technical Working Party's Report as approved by the Minister. Candidates should therefore have, in addition to high professional qualifications, post-war experience in the development and use in buildings of at least one successful new technique. Previous experience in central and local government will be an advantage.

Salary scale, £1,320 x £50—£1,520 (men), and £1,160 x £50—£1,350 (women).

Applications, giving relevant details and the names of two referees, should be addressed to the Technical and Scientific Register (J.1/49), York House, Kingsway, W.C.2, not later than the 6th February, 1949.

3.1.A.39(20). 1500

BOROUGH OF EALING. ARCHITECTURAL ASSISTANTS—BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments:—

- (a) ARCHITECTURAL ASSISTANT. Grade VI, A.P.T. Division (£625-£690 inclusive per annum).
- (b) ARCHITECTURAL ASSISTANT. Grade V, A.P.T. Division (£550-£600 inclusive per annum).

Applicants must be Associate Members of the Royal Institute of British Architects, preferably with Municipal experience.

For details of application, together with Conditions of Appointment, may be obtained from the Borough Engineer and Surveyor, Town Hall, Ealing, W.5, and must be returned to me not later than the 14th February, 1949.

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

Town Hall, Ealing, W.5. 1501

COUNTY BOROUGH OF SMETHWICK. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:—

- (a) SENIOR ASSISTANT ARCHITECT. Salary Grade VI (£595-£660) per annum.
- (b) JUNIOR ASSISTANT ARCHITECT. Salary Grade I (£390-£435) per annum. Preference will be given to candidates who are preparing themselves for or have passed appropriate examinations.

The appointments will be subject to the Local Government Superannuation Act, 1937, to the passing of a medical examination by successful candidates, and to termination by one month's notice on either side.

Applications should be made under the headings indicated as follows:—

- (1) Appointment desired.
- (2) Name and address.
- (3) Age and marital state.
- (4) Education.
- (5) Qualifications.
- (6) Present position and date of appointment.
- (7) Details of experience.
- (8) Any further information in support of application.

Notice required to terminate present appointment.

Applications, accompanied by copies of two recent testimonials (or stating the names of two persons to whom reference can be made), should be delivered, suitably endorsed, to Mr. Roland Fletcher, M.Inst.C.E., Borough Engineer and Surveyor, Council House, Smethwick, not later than the 4th February, 1949.

E. L. TWYCCROSS, *Town Clerk.*

Council House, Smethwick. 1497

LEEDS REGIONAL HOSPITAL BOARD.
Applications are invited for the under-mentioned appointments in the Architect's Section on the Headquarters Staff—
TECHNICAL STAFF:

(a) **ASSISTANT ENGINEER.** Salary scale £750-£900. Good experience of hospital heating and hot water installation, design and operation, preparing technical reports, advising the Architects to the Board and, where required, designing such installations and supervising the work. Must be Corporate Members of either the Institute of Civil Engineers or the Institute of Mechanical Engineers.

(b) **ASSISTANT ELECTRICAL ENGINEER.** Salary scale £685-£760. Good experience of hospital electrical work, design and operation, preparing technical reports, advising the Architects to the Board and, where required, designing and supervising electrical installations. Must be Corporate Member of Institute of Electrical Engineers.

(c) **SENIOR ASSISTANT ARCHITECTS** (two vacancies). Salary scale £635-£760. Must be registered architects and possess recognized architectural qualifications; good experience of hospital planning and construction; will be responsible for design and supervision of work under Architect to the Board.

(d) **ARCHITECTURAL ASSISTANT.** Salary scale £450-£525. Experience of preparing details, working drawings and surveying buildings. Must be registered architects and possess recognized professional qualifications. Preferably with some experience of hospital construction.

(e) **JUNIOR SURVEYOR.** Salary scale £480-£660. Experienced in preparation of Bills of Quantities, estimates and valuations, and settlement of accounts. Preference given to persons who have passed the Intermediate examination of the Royal Institute of Chartered Surveyors (Quantities Section).

(f) **SENIOR LAND SURVEYOR.** Salary scale £635-£760. Experienced in preparing measured drawings of existing work, surveying and levelling sites for new work, the acquisition of sites, and with a good experience of the law relating to land and property. Preference will be given to persons who are members of the R.I.C.S., Building Section, or who have similar qualifications.

(g) **JUNIOR LAND SURVEYOR.** Salary scale £480-£525. Experienced in surveying sites and buildings, and capable of assisting the Senior Land Surveyor. Preference will be given to persons possessing suitable recognized qualifications.

The above appointments are superannuable and, in addition, successful candidates will be required to pass a medical examination.

Applications, stating age, details of experience and qualifications together with the names of three referees, to be forwarded to the Secretary, 29/31, Eastgate, Leeds, 2, not later than 7 days after publication of this advertisement.

Canvassing in any form, either directly or indirectly, will be a disqualification. 1432

HEMEL HEMPSTEAD DEVELOPMENT CORPORATION.

ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of **ASSISTANT ARCHITECT.** Salary, according to age and experience, in the scale £400 to £525 a year. Candidates must have reached Inter. R.I.B.A. standard and have a sound knowledge of the planning and design of buildings.

The appointment will be subject to the Development Corporation's staff rules and conditions of service, in particular to one month's notice of termination on either side. Contributory superannuation, with a choice of entering or continuing in a fund administered under the Local Government Superannuation Acts, will be provided. The officer appointed will be responsible for finding his own accommodation in or near Hemel Hempstead.

Applications, stating age, training, qualifications and experience, together with the names of two persons to whom reference may be made, should be clearly endorsed "Architect" on the envelope, and addressed to reach the undersigned not later than the 7th February, 1949.

W. O. HART, *General Manager.*

Westbrook Hay, Hemel Hempstead, Herts. 1478

COUNTY BOROUGH OF EAST HAM. APPOINTMENT OF ASSISTANT PLANNING OFFICER.

Applications are invited for the permanent appointment of Assistant Planning Officer (Grade A.P.T.111), Salary £450 to £495 per annum plus London weighting, in the Town Planning Section of the Borough Engineer's Department.

A salary in excess of the minimum of the grade may be paid according to qualifications and experience.

Candidates must be competent draughtsmen and have general knowledge and experience of Town Planning Work.

Housing accommodation is not provided but the Council will be prepared to consider an application for subsistence allowance in an appropriate case if the person appointed is unable to obtain suitable accommodation.

Application form, obtainable from the undersigned, must be returned not later than 7th February, 1949.

Canvassing in any form will be a disqualification.

H. A. EDWARDS, *Town Clerk.*

Town Hall, East Ham, E.6. 1454
January, 1949.

BOROUGH OF WEDNESBURY. TEMPORARY ASSISTANT ARCHITECT.
Applications are invited for the appointment of a Temporary Assistant Architect, in the Borough Architect/Engineer's Department, for a period of about 2 years, for work on Housing Estates, Civic Restaurant, Shops, etc.

Candidates to apply immediately, stating age, experience and qualifications, and enclosing copies of two recent testimonials, to

ARTHUR BOOTH, F.R.I.B.A., *Borough Architect/Engineer.*

Town Hall, Wednesbury. 1477
20th January, 1949.

BOROUGH OF BRENTFORD AND CHISWICK. APPOINTMENT OF TWO ARCHITECTURAL ASSISTANTS.

Applications are invited for the above-mentioned permanent appointments, in the Borough Engineer and Surveyor's Department, at a consolidated salary, according to the A.P.T. Division, Grade VI, of the National Scheme (£595 to £660), commencing 1st year, plus revised London weighting according to age.

Preference will be given to applicants who are Associate Members of the Royal Institute of British Architects (or who hold a similar qualification), but consideration will also be given to applications from persons intending shortly to take the Associate examination.

Applicants should have had experience in general architectural work, school and house planning and design, including the preparation of working drawings, specifications, and setting out.

Applications for the above-mentioned appointment must be made on the prescribed form (which contains particulars and conditions of appointment), obtainable from the undersigned, by whom applications must be received not later than the 8th February, 1949.

The Control of Engagement Order, 1947, does not apply to these appointments.

W. F. J. CHURCH, *Town Clerk.*

Town Hall, Chiswick, W.4. 1476

WILTSHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited from qualified Members of the Royal Institute of British Architects for the appointment of **ASSISTANT ARCHITECT** in the County Architect's Office. The salary will be in accordance with Grade VI of the National Scales, viz., £595 per annum, rising to a maximum of £660 per annum.

The appointment is superannuable and subject to medical examination, and is terminable by one month's notice on either side. Canvassing disqualifies.

Applications, on forms to be obtained from the County Architect, must be sent to the undersigned within two weeks from the date of the publication of this advertisement.

P. A. SELBORNE STRINGER, *Clerk of the County Council.*

County Hall, Trowbridge. 1472
14th January, 1949.

COUNTY BOROUGH OF DARLINGTON. BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the permanent appointment of an **ASSISTANT ARCHITECT.** Salary Grade VI, £595-£660.

If required, the Corporation hope to be able to make a self-contained flat available for the successful candidate.

The appointment offers scope for good experience on all types of Municipal work, including Housing and Education. Preference will be given to candidate with such experience and possessing the recognized qualifications.

Applications, stating age, qualifications, present appointment and salary, together with previous experience, accompanied by two copies of recent testimonials and names and addresses of two referees, should be delivered to E. A. Tornbohm, A.R.I.B.A., A.M.T.P.I., Borough Architect, Central Buildings, Darlington, not later than Monday, 31st January, 1949. 1411

BOROUGH OF BACUP. ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant in the Office of the Borough Engineer and Surveyor.

Applicants must have had sound training by pupillage and had previous experience in the design and construction of building works, particularly in relation to housing. Preference will be given to persons qualified by the examination of the R.I.B.A.

The salary will be in accordance with Grade IV A.P.T. Division of the National Scales of Salaries (£480 x £15 — £525 per annum).

The appointment will be subject to one month's notice in writing on either side at any time to the provisions of the Local Government Superannuation Act, 1937, and the National Joint Council's Scheme of Conditions of Service, and to the selected candidate passing a medical examination.

Housing accommodation will be found by the Council for the successful candidate, if a married man and coming from outside the Borough.

Applications, stating age, qualifications, past and present appointments, with details of experience, together with copies of two recent testimonials, should be sent to the undersigned not later than Saturday, 5th February, 1949.

C. G. EVERATT, *Town Clerk.*

Municipal Offices, Bacup. 1455
15th January, 1949.

LONDON COUNTY COUNCIL. ARCHITECT'S DEPARTMENT—SOUTH BANK DEVELOPMENT SCHEME. CLERKS OF WORKS.

Applications are invited for two positions of Clerk of Works for the construction of the Concert Hall, etc., on the South Bank of the Thames, to be completed for the 1951 Exhibition.

The salary in each case will be determined within the following ranges:—Superintending Clerk of Works, £750-£1,000 a year; Second Clerk of Works, £500-£550 a year, according to qualifications and experience. Candidates should have served an apprenticeship to one of the building trades, and should have had experience in excavation, masonry, joinery, reinforced concrete and structural steelwork on large buildings. Application forms from the Architect (AR/P.C.W.) County Hall, Westminster Bridge, S.E.1 (enclosing stamped addressed envelope), to be returned completed not later than 31st January, 1949. Canvassing disqualifies. 1410

LONDON COUNTY COUNCIL. QUANTITY SURVEYORS.

Vacancies exist for Quantity Surveyors in the Housing and Valuation Department, for work in connection with the development of cottage estates and the construction of multi-storey dwellings, at salaries of up to £700 a year, the commencing salary in each case being determined according to qualifications and experience. Successful candidates will be required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for appointment to the Council's permanent staff and for advancement on the occurrence of vacancies.

Duties will include:
(a) Measurement of work in construction of houses, roads and sewers, preparation of interim and final bills; measurement and adjustment of sub-contracts; preparation of cost statistics, estimates, etc.

(b) Management of housing contracts of considerable value; interim valuations for payments; measurement of variations and settlement of final accounts.

Forms of application may be obtained from the Director of Housing and Valuer, The County Hall, Westminster Bridge, S.E.1 (a stamped addressed foolscap envelope required), quoting Q.S.1. Canvassing disqualifies. (2140) 752

BOROUGH OF ILFORD. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF QUANTITY SURVEYING ASSISTANT (GRADE VI).

Applications are invited for the position of **TEMPORARY QUANTITY SURVEYING ASSISTANT**, at a salary in accordance with Grade VI of the National Scales of Salary, viz., £595 by two increments of £20 and one of £25 to £660 per annum, plus £30 London weighting at age 26 or over.

Candidates should be experienced in the preparation of Bills of Quantities for Municipal buildings, cost statistics and estimates, Interim and Final Bills, measurement and adjustment of sub-contracts.

The appointment will be subject to one month's notice on either side, to the provisions of the Local Government Superannuation Act, 1937, the National Scheme of Conditions of Service, and to the passing of a medical examination to the satisfaction of the Medical Officer of Health. The appointment is a whole time one, private practice being prohibited.

Forms of application may be obtained from the Borough Engineer, Town Hall, Ilford, and should be returned to the undersigned not later than the 12th February, 1949.

K. F. B. NICHOLLS, *Town Clerk.*

Town Hall, Ilford, Essex. 1460
January, 1949.

BOROUGH OF SOUTHBURY. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL STAFF.

Applications are invited for the following appointments in the Department of the Borough Engineer and Surveyor:

(d) **CHIEF ARCHITECTURAL ASSISTANT.** A.P.T. VII-VIII.

(e) **TWO ARCHITECTURAL ASSISTANTS.** A.P.T. V-VA.

(f) **ARCHITECTURAL ASSISTANT.** A.P.T. IV-V.

In all cases the appropriate "London weighting" will be paid, and the commencing salary will be at some point on the Lower Grade, such point to be fixed in accordance with the qualifications and experience of the successful candidate.

For appointment (d) applicants must be Associate Members of the Royal Institute of British Architects or hold an equivalent qualification. For appointments (e) and (f) preference will be given to applicants who are Associate Members of that Institute or hold an equivalent qualification.

Forms of application for each appointment may be obtained from the Borough Engineer and Surveyor, and should be returned clearly marked appointment (d) (e) or (f), as the case may be, to the undersigned not later than 9 a.m. on Monday, 7th February, 1949.

Canvassing, directly or indirectly, will be a disqualification.

GORDON H. TAYLOR, *Town Clerk.*

Town Hall, Palmers Green, London, N.13. 1458
11th January, 1949.

BERKSHIRE COUNTY COUNCIL.
Applications are invited for the following appointment in the County Architect's Department:—
CHIEF QUANTITY SURVEYOR, at a salary of £760×£25—£860 per annum.
Candidates must have passed the Final examination of the Royal Institute of Chartered Surveyors (Quantities Section), and be fully experienced in the preparation of Bills of Quantities, Specifications and Estimates and the settling of Final Accounts. Candidates must be particularly experienced in the control and administration of a programme of building work undertaken by the staff of the Quantity Surveying Section of a Local Authority Department.
Application forms and further particulars can be obtained from the County Architect, 35, Bath Road, Reading, to whom they should be returned completed by Monday, 14th February, 1949.
H. J. C. NEOBARD,
Clerk of the Council.
Shire Hall, Reading. 1539

CITY OF PLYMOUTH.
CITY ARCHITECT'S DEPARTMENT.
Applications are invited for the following appointment on the Established Staff, which is subject to the Local Government Superannuation Act, 1937, a satisfactory medical examination, and a month's notice on either side for termination.—
ONE ASSISTANT ARCHITECT, A.P.T., Grade III. Consolidated salary £450-£495 per annum.
Candidates should have attained at least the standard of the Intermediate examination of the R.I.B.A. Candidates must not be over 40 years of age, but this condition may be relaxed in the case of a person up to 45 years of age employed by another Local Authority.
Applications on forms obtainable from the undersigned, accompanied by copies of not more than three recent testimonials and/or names of persons to whom reference may be made, should be returned to me as soon as possible.
HOUSING ACCOMMODATION WILL BE MADE AVAILABLE TO SUCCESSFUL MARRIED APPLICANTS WHO REQUIRE IT.
E. G. CATCHPOLE, A.R.I.B.A.,
City Architect.
City Architect's Department,
Seymour Road, Plymouth. 1537

BOROUGH OF ASHTON-UNDER-LYNE.
BOROUGH SURVEYOR'S DEPARTMENT—
APPOINTMENT OF ARCHITECTURAL ASSISTANT.
Applications are invited for the above-mentioned appointment from candidates who have had architectural experience (particularly in relation to housing schemes) with a Local Authority. Preference will be given to applicants who have passed any architectural examinations.
The salary for the appointment will be in accordance with Administrative, Professional and Technical Division, Grade II, of the National Scale of Salaries (commencing at £420 per annum and rising by annual increments of £15 to a maximum of £465 per annum).
The successful applicant will be required to pass satisfactorily a medical examination and to contribute to the Corporation's Superannuation Fund.
Applications, stating age and giving details of qualifications, present appointment, previous appointments and experience, together with the names and addresses of two persons to whom reference can be made, should be forwarded to the undersigned in sealed envelopes endorsed "Architectural Assistant," so as to be delivered not later than Monday, 7th February, 1949.
Applicants should state in their applications whether or not they are, to their knowledge, related to any member of, or the holder of any senior office under, the Council.
Canvassing, either directly or indirectly, will be a disqualification.
The Corporation is endeavouring to provide housing accommodation for the officers requiring such accommodation.
G. A. MALONE,
Town Clerk.
Town Hall, Ashton-under-Lyne. 1536

ANGLESEY COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the permanent appointment in the County Architect's Department of **ONE ARCHITECTURAL ASSISTANT.** Salary, Grade III, commencing at £450 per annum and rising to £495 per annum. Applicants should have good experience of work undertaken by a Local Authority, and preference will be given to applicants who have passed the Intermediate examination of the Royal Institute of British Architects.
The appointment will be subject to the provisions of the Local Government Officers' Superannuation Act, 1937; candidates called for interview will be required to undergo a medical examination by the County Medical Officer. The appointment is also subject to one month's notice on either side.
Applications in plain envelopes, appropriately endorsed, stating age, training, qualifications, experience, and past and present appointments, and giving the names of two referees, and accompanied by a copy of one recent testimonial, should be delivered to the undersigned not later than Monday, 14th February, 1949.
WILLIAM JONES,
Clerk of the County Council.
Shire Hall, Llanefenni, Anglesey. 1535

COUNTY BOROUGH OF EAST HAM.
BOROUGH ENGINEER'S DEPARTMENT.
Applications are invited for the under-mentioned appointments:—
SENIOR ARCHITECTURAL ASSISTANT. Grade A.P.T. VI. Salary £595-£660.
ARCHITECTURAL ASSISTANT. Grade A.P.T. V. Salary £520-£570.
ARCHITECTURAL ASSISTANT. Grade A.P.T. IV. Salary £480-£525.
London allowance is payable in addition to the above salaries, as follow:—
Age 16 to 20, £10 per annum.
Age 21 to 25, £20 per annum.
Age 26 and over, £30 per annum.
Salaries in excess of the minima of the grades may be paid according to the qualifications and experience of successful candidates.
The Council have in course of preparation a large and varied programme of interesting works which it is anticipated will not be affected by the proposed reductions in capital expenditure.
Housing accommodation is not provided, but the Council will be prepared to consider applications for subsistence allowances in appropriate cases from persons appointed who may be unable to obtain suitable accommodation.
Full particulars of the duties, terms and conditions of appointment and form of application (which must be returned by Monday, 7th February, 1949) may be obtained from the undersigned.
Canvassing in any form will disqualify.
H. A. EDWARDS,
Town Clerk.
Town Hall, East Ham, E.6.
January, 1949. 1517

COUNTY OF KENT.
PLANNING DEPARTMENT.
SENIOR PLANNING ASSISTANTS.
Applications are invited for posts of Senior Planning Assistants in the Planning Department. The salary scale is £520-£710 per annum. The commencing point in the scales will be fixed according to qualifications and experience. Applicants must possess an appropriate professional qualification. Preference will be given to Corporate Members of the Town Planning Institute.
Successful candidates will be employed either as Area Development Officers in charge of an Area Office under the general supervision of a Divisional Planning Officer, or as Chief Planning Assistants in the Central Office at Maidstone.
The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and each successful candidate will be required to pass a medical examination.
Applications in own handwriting, stating age, education, qualifications, previous experience, present position and salary, and the names and addresses of two persons to whom reference may be made as to professional ability and character, and endorsed "Senior Planning Assistants," must reach the County Planning Officer, County Hall, Maidstone, Kent, not later than 1st March, 1949.
W. L. PLATTS,
Clerk of the County Council.
County Hall, Maidstone. 1514

EAST SUFFOLK COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the following posts in the County Architect's Department:—
GRADE B ASSISTANT ARCHITECTS, A.P.T., Grade V. Consolidated salary £520-£570.
The commencing salary in the grade will be fixed according to the qualifications and experience of the candidate.
Applicants for these appointments should preferably be Members of the R.I.B.A. and, if school trained, should have had at least two years' office experience. They must be quick and accurate draughtsmen, fully conversant with 3/16 in. scale, half inch and full size details for all types of building normally dealt with by a Local Authority, and have a good knowledge of design, construction and specifications.
The appointments will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937. The successful applicants will be required to pass a medical examination.
Applications, stating age, qualifications and full details of previous experience, accompanied by copies of three recent testimonials, should be sent to E. J. Symcox, F.R.I.B.A., County Architect, County Hall, Ipswich, not later than 11th February, 1949.
Canvassing, either directly or indirectly, will disqualify a candidate from consideration.
G. C. LIGHTFOOT,
Clerk of the Council.
County Hall, Ipswich. 1479

MINISTRY OF WORKS-DIRECTORATE OF WORKS.
ARCHITECTURAL DRAUGHTSMEN, having had a full period of recognized training and experience in the preparation of drawings for good class building work. The work is varied and not confined to standard schemes. Starting pay will be assessed according to age, qualifications and experience within a scale rising to £495 per annum.
Applications, stating age, present and previous appointments, training, qualifications, etc., should be sent to the Assistant Regional Director (Administration), Ministry of Works, Government Buildings, Hawkenbury, Tunbridge Wells, Kent. 1491

COUNTY BOROUGH OF WALSALL.
PUBLIC WORKS DEPARTMENT.
Applications are invited for the following appointments:—
(1) **SENIOR PLANNING ASSISTANT**, in Grade VI of the Administrative, Professional and Technical Division of the National Joint Council's Scale of Salaries (£595×£20×£20×£25—£660).
(2) **PLANNING ASSISTANT**, in Grade IV of the above Division (£480×£15—£525).
Applicants for these appointments must have had considerable experience in Town Planning and Re-development, and preference will be given to those who are Corporate Members of the Town Planning Institute or the Chartered Institution of Municipal Engineers.
Both appointments are subject to the provisions of the Local Government Act, 1937, and in each case the selected candidate will be required to pass a medical examination.
In the case of each of the above appointments housing accommodation will be provided for the successful applicants if required.
Applications, giving age, details of qualifications and experience, together with copies of three recent testimonials, should be received by the undersigned not later than Saturday, 12th February, 1949.
M. E. HABERSHON,
Borough Engineer and Surveyor.
Council House, Walsall. 1488

COUNTY OF ESSEX.
LEYTON COMMITTEE FOR EDUCATION.
Applications are invited for the appointment of **ARCHITECTURAL ASSISTANT** in the office of the Borough Engineer and Surveyor.
The salary will be £480 per annum, rising by three annual increments of £15 per annum to a maximum of £555 per annum. In addition a London weighting (£30 if over 25 years of age, or £20 age 21 to 25) will be payable.
The appointment, which is permanent, will be subject to the Standing Orders of the Essex County Council from time to time in operation, to the provisions of the Local Government Superannuation Act, 1937, and to the Conditions of Service contained in the Scheme of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services as amended from time to time and as adopted by the County Council.
Candidates should be Members of the Royal Institute of British Architects, or hold other suitable qualifications, must be good draughtsmen and possess a practical knowledge of building construction in connection with the maintenance, design and construction of educational buildings, and be able to prepare working and detail drawings.
Canvassing, either directly or indirectly, will be deemed a disqualification.
Applications, stating age, details of qualifications and experience, together with copies of three recent testimonials, must be delivered to the Borough Engineer and Surveyor, Town Hall, Leyton, E.10, not later than Friday, 18th February, 1949, in a sealed envelope, endorsed "Architectural Assistant (Education)."
D. J. OSBORNE,
Town Clerk.
Town Hall, Leyton, E.10. 1503

MIDDLESEX COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
SENIOR SURVEYOR required, with wide knowledge of building industry and with initiative, to undertake contract management duties in connection with large building programme. Commencing salary £900 p.a., rising by £30 p.a. to £1,050, plus any cost-of-living bonus (now £60). Established, pensionable, subject to medical fitness. Must possess considerable experience in administrative and technical control of works in progress, advanced arrangements for sub-contracts and specialists' materials, and capable of ensuring co-ordination, continuity, and earliest completion of contract works.
Application forms from the County Architect, 10, St. George Street, S.W.1. to be returned by 3rd February (quoting F.277 A). Canvassing disqualifies.
C. W. RADCLIFFE,
Clerk of the County Council.
Middlesex Guildhall, S.W.1. 1480

COUNTY BOROUGH OF BURNLEY.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
Applications are invited for the under-mentioned appointments:—
SENIOR PLANNING ASSISTANT. Grade V, £520-£570 per annum.
PLANNING ASSISTANT. Grade IV, £480-£525 per annum.
Candidates for these appointments should be Associate Members of the Town Planning Institute and the holding of any other qualifications in addition will be an advantage.
Conditions of service are those formulated by the National Joint Council, and the appointments are on the established staff and subject to the provisions of the Local Government Superannuation Act, 1937. Successful applicants 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 must be returned in the envelope provided not later than 9 a.m. on Saturday, the 12th February, 1949.
C. V. THORNLEY,
Town Clerk.
Town Hall, Burnley. 1518

METROPOLITAN WATER BOARD.

The Metropolitan Water Board invite tenders for the erection and completion of one pair of houses and all necessary site works at Brook Road, Neasden, N.W.2, in the Borough of Willesden.

Forms of tender, conditions of contract, specification, bills of quantities and other particulars may be obtained on application to the Board's Surveyor at these offices on production of a receipt for two guineas, which sum must be deposited with the Board's Treasurer and Comptroller, and will be returned on receipt of a bona fide tender which is not subsequently withdrawn, accompanied by all the above-mentioned documents. Such payments and applications must be made between the hours of 9 a.m. and 4 p.m. (Saturdays, 9 a.m. and 11 a.m.). Cheques must be made payable to the Metropolitan Water Board and not to individuals. Tenders must be enclosed in sealed envelopes, addressed to the undersigned at Room No. 122, and endorsed "Tender for Houses, Brook Road, Neasden," and the latest date for the receipt of tenders will be notified to the applicants when the tender forms are issued.

The Board do not bind themselves to accept the lowest or any tender.

C. W. STOKER
Clerk of the Board.

Offices of the Board, New River Head,
Rosebery Avenue, London, E.C.1.
18th January, 1949. 1508

**GLoucestershire County Council.
COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECTS.
Candidates should be qualified members of the R.I.B.A., with good general experience in design and construction of public buildings, including schools.

A.P. and T., Grade V, and eligible for promotion to A.P. and T., Grade VI, according to experience.

(b) ARCHITECTURAL ASSISTANTS.
Candidates should have passed the Intermediate examination of the R.I.B.A., with general experience in design and construction.

A.P. and T., Grade IV.
(c) JUNIOR ARCHITECTURAL ASSISTANTS.
Salary in accordance with experience, A.P. and T., Grades, I, II or III.

Appointments will be subject to the Local Government Superannuation Act, 1937, and candidates, before appointment, will be required to pass a medical examination.

The appointments will be terminable by one month's notice on either side.
Applications, stating (1) name and address, (2) married or single, (3) age, (4) qualifications, (5) present position, salary and date of appointment, (6) previous positions with dates and salaries, (7) particulars of experience, and accompanied by copies of three recent testimonials, should be sent to S. E. Urwin, F.R.I.B.A., County Architect, Shire Hall, Gloucester, not later than Wednesday, the 16th February, 1949.

GUY H. DAVIS,
Clerk of the County Council.

18th January, 1949. 1495

**URBAN DISTRICT COUNCIL OF STANLEY.
ENGINEER AND SURVEYOR'S
DEPARTMENT.**

**APPOINTMENT OF ARCHITECTURAL
ASSISTANT (GRADE II).**

Applications are invited for the appointment of an Architectural Assistant for Housing Work. Applicants should have an approved Architectural qualification and sound experience, particularly in housing. The salary will be in accordance with Grade II, A.P.T. Division, £420-£465. A Council house will be provided if required. The successful applicant will be required to pass a medical examination. Applications, endorsed "Architectural Assistant," stating age, present and previous appointments and experience, together with three references, to be received by the undersigned by Saturday, 19th February, 1949.

Canvassing, directly or indirectly, will disqualify, and applicants must state whether or not they are related to any member of, or any senior officer of, the Council.

SYDNEY GROVE,
Clerk to the Council.

Council Offices, Coach Road, Outwood,
near Wakefield.
19th January, 1949. 1530

**BOROUGH OF BEXLEY.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

(Second insertion).

Applications are invited for the appointment of an Architectural Assistant on the permanent staff in the Architectural Section of the Borough Engineer's Department. The salary will be in accordance with Grade, A.P.T., III, of the National Scale of Salaries (£450-£495), plus London weighting.

Form of application, with Conditions of Appointment, may be obtained from the Borough Engineer and Surveyor, Council Offices, Bexleyheath, to whom completed applications must be returned by 14th February, 1949.

Canvassing, directly or indirectly, will disqualify.

W. WOODWARD,
Town Clerk.

Council Offices, Bexleyheath, Kent. 1528

**COUNTY COUNCIL OF THE COUNTY OF
LANARK.
HOUSING.**

**MANAGER OF DIRECT LABOUR
DEPARTMENT.**

Applications are invited for the appointment of Manager of the Council's Direct Labour Department at Waterloo, Wishaw, at an inclusive salary of £280, rising by annual increments of £50 to £1,080 per annum.

Applicants should have an extensive knowledge of building trades and have practical and technical experience in the administration, organization, and execution of building and civil engineering works for Housing Schemes.

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

Applications giving full particulars of age, qualifications and experience, and accompanied by not more than three recent testimonials, should be submitted to "The County Clerk, Lanarkshire House, 191, Ingram Street, Glasgow," on or before 15th February, 1949.

W. M. C. BROWNLIE,
County Clerk.

**DERBYSHIRE COUNTY COUNCIL—COUNTY
PLANNING DEPARTMENT.**

Applications are invited from those with experience of statutory planning or related work for the following permanent appointments in the County Planning Department:—

(a) CHIEF ASSISTANT, A.P.T., Grade VII.
(b) SENIOR ASSISTANTS, A.P.T., Grade VI.
(c) SENIOR ASSISTANTS, A.P.T., Grade V.
(d) SENIOR ASSISTANTS, A.P.T., Grade IV.
(e) JUNIOR ASSISTANTS, A.P.T., Grade II.

The vacancies for Grade VII, Grade V and Grade IV, are in Derby, Grade IV at the Mid-Derbyshire office at Belper and the South Derbyshire office at Derby, and Grade VI at Chesterfield and Bakewell. Candidates for post (a) should be Associate Members of the Town Planning Institute, and an additional professional qualification would be an advantage. Candidates for posts (b) should be Associate Members of the Town Planning Institute, and for Grade V and Grade IV should have passed the Intermediate examination of the Town Planning Institute. For the Junior Technical appointments the Intermediate examination of the Town Planning Institute or one of the allied professional bodies or a University qualification is desirable. In the senior vacancies there are positions for which architectural training and qualification would be an advantage. Among the junior vacancies there are positions calling for ability in model making, relief maps, perspective drawings and other techniques of presentation. The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937. Successful candidates will be required to pass a medical examination, and the appointments are subject to the Council's Conditions of Service. Applications, stating age, qualifications and experience, accompanied by one recent testimonial and the names of two persons to whom reference can be made, should be addressed to the County Planning Officer, St. Mary's Gate, Derby. Envelopes should be endorsed "Planning Assistant—(a), (b) (c), etc." according to the vacancy for which application is made. Applications should be delivered not later than 24th February, 1949.

MAURICE J. HELLIER,
County Planning Officer.

1526

**COUNTY OF LINCOLN—PARTS OF
LINDSEY.**

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following vacancies:—

ARCHITECTS:
(a) ASSISTANT ARCHITECT, Grade V, £520 to £570.
(b) ASSISTANT ARCHITECT, Grade IV, £480 to £525.
(c) ARCHITECTURAL ASSISTANTS (TWO), Grade III, £450 to £495.
(d) ARCHITECTURAL ASSISTANTS, Grade II, £420 to £465.
(e) JUNIOR ASSISTANT, Grade I, £390 to £435.

QUANTITY SURVEYOR:
(f) SENIOR QUANTITY SURVEYOR, Grade VI, £595 to £650.

A car allowance will be paid in respect of appointments (b) and (f) in accordance with the County Council scale and in cases where the successful applicants own their own cars.

The appointments are on the permanent staff of the Local Government Superannuation Act, for which the successful candidates will be required to pass a medical examination.

Applications, stating age, qualifications, experience and present salary, clearly stating which post is being applied for and whether to their knowledge they are related to Members or Senior Officers of the County Council, and accompanied by copies of two recent testimonials, should be sent to the undersigned not later than Wednesday, 2nd February, 1949.

A. RONALD CLARK, A.R.I.B.A.,
A.M.T.P.I.,
County Architect.

County Offices, Lincoln. 1522

**BOROUGH OF BASINGSTOKE.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant, in the Borough Surveyor's Department, at a salary, in accordance with Grade II of the A.P.T. Division of the National Scale, of £420, rising to £465 per annum.

Preference will be given to candidates who have had experience in housing design and who have passed some portion of the qualifying examination for A.R.I.B.A.

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

Applications, endorsed "Architectural Assistant," stating age, qualifications, experience, etc., and accompanied by copies of two recent testimonials, should be forwarded to the undersigned before the 25th February, 1949.

MEIRION O. JONES,
Town Clerk.

Municipal Buildings, Basingstoke. 1527

**NEATH RURAL DISTRICT COUNCIL.
APPOINTMENT OF AN ENGINEERING
ASSISTANT.**

Applications are invited for the appointment of an Engineering Assistant, in the Engineer and Surveyor's Department, as follows, viz.:

Engineering Assistant, at a salary in accordance with A.P.T., Grade V, of the National Scale, commencing at £520 per annum and rising to £570 per annum.

Candidates for the appointment must have had considerable experience in the design and construction of Sewerage and Water Schemes and General Civil Engineering work.

Candidates for the appointment should possess one of the appropriate qualifications stipulated in the "Scheme of Conditions of Service" issued by the National Joint Council for Local Authorities.

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

Applications, endorsed "Engineering Assistant," stating full particulars of experience, age and qualifications, accompanied by copies of three recent testimonials, should be sent to the undersigned not later than noon, Saturday, 12th February, 1949.

T. D. WINDSOR WILLIAMS,
Clerk to the Council.

8, New Street, Neath.
22nd January, 1949. 1540

HAMPSHIRE COUNTY COUNCIL.

Applications are invited for the appointment of SENIOR ASSISTANT ARCHITECT (Grade VII). Salary £635-£25 to £710 per annum.

Candidates must be Registered Architects, preferably A.R.I.B.A., with experience in design and construction of Public Buildings, including Schools.

The appointment will be subject to the Local Government Superannuation Act, 1937, and candidates, before appointment, will be required to pass a medical examination.

The appointment will be terminable by one month's notice on either side.

Applications should be made on forms to be obtained from the County Architect, The Castle, Winchester, to whom they should be returned not later than Monday, the 7th February, 1949.

G. A. WHEATLEY,
Clerk of the County Council.

The Castle, Winchester.
19th January, 1949. 1523

Architectural Appointments Vacant

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

T. P. BENNETT & SON have vacancy for **T. P. ARCHITECTURAL ASSISTANT**; salary according to experience. Write, giving full details, to 43, Bloomsbury Square, W.C.1. 1233

ARCHITECTURAL ASSISTANT required; school trained, with office experience of sketch planning for design work in Architects' office, London West Central area. Write, giving details of experience and salary required, to Box 1234.

TWO ARCHITECTURAL ASSISTANTS required by firm of Architects with offices in West End of London; applicants should be up to R.I.B.A. Intermediate standard at least. Please apply by letter, stating age, experience, and salary required. This position would possibly suit two friends desiring employment together. Box 1295.

WANTED, immediately, ARCHITECTURAL ASSISTANT, preferably one accustomed to Housing; salary according to experience and capability. Apply to W. E. Norman Webster, F.R.I.B.A., 1a and 2a, Station Street, Spalding, Lincolnshire. 1332

JUNIOR ASSISTANT (Male), about 16 years of age, required for Architect's office. Write R.F., 16/17, Tavistock Place, W.C.1. 1349

REQUIRED immediately, N.E. London, **SENIOR ARCHITECTURAL ASSISTANT**; Final standard; experienced industrial and commercial buildings. Box 1347.

SENIOR ARCHITECTURAL ASSISTANT required in West End offices of well-known Architects; salary £600-£700, depending upon experience; good opportunity for the right man; five-day week. Apply with full details, including age, experience, etc., to Box 1337.

ARCHITECT requires qualified **ASSISTANT**. Details of experience, salary, etc., to Cecil E. M. Fillmore, F.R.I.B.A., 8, Newhall Street, Birmingham. 1392

ARCHITECTURAL ASSISTANTS required; hospital experience desirable. Write, stating age, experience, and salary required, Howard Williams & Partners, F.R.I.B.A., F.R.I.C.S., A./A.R.I.B.A., Graystones, Cardigan. 1395

ASSISTANT required, who must be interested in contemporary design and up to R.I.B.A. Intermediate standard; office near Hampton Court (half-hour Waterloo). Apply Eric Lyons & G. Paulson Townsend, Mill House, Bridge Road, East Molesey. 1443

ASSISTANT required in the Architect's Department of a Company in Birmingham; good salary and prospects; permanency. Full details to Box 1422.

REQUIRED. — ARCHITECTURAL ASSISTANT of R.I.B.A. Inter. standard; busy general practice in Slough; permanent progressive post for suitable applicant. Full particulars of age, experience, and salary required, to Box 1437.

WEST END Architects and Planning Consultants require one **SENIOR** and two **JUNIOR ARCHITECT PLANNERS**. Full particulars to Box 1442.

ARCHITECT and SURVEYOR'S ASSISTANT, with general knowledge, good draughtsman; London office, S.W.1.; £400-£500.—Box 1513.

ARCHITECTURAL ASSISTANT required; progressive appointment available for capable, energetic, and qualified applicant, with a good pre-war office experience; varied practice, including commercial buildings, schools, housing and farm work; salary according to qualifications and experience. Apply by letter to Nicol, Nicol & Thomas, A.R.I.B.A., White House, 111, New Street, Birmingham, 2. 1489

ASSISTANT required by Quantity Surveyors for Branch office, Harrow; must have experience in working up, measuring, and final accounts; age not over 30. Reply in writing, stating age, experience, and salary required, George Lewis & Son, 49, Sheepcote Road, Harrow, Middlesex. 1492

PART-TIME SENIOR ARCHITECTURAL ASSISTANT required in London, with experience in conversations and interior design. Box 1481.

SIR JOHN BURNET, Tait & Partners require Men with initiative and ability for vacancies in their London office. Write, giving particulars of experience and salary required, to 10, Bedford Square, London, W.C.1. 1475

ARCHITECTURAL ASSISTANT required at Head Office, Hammersmith; salary £400-£500 per annum, according to experience. Write giving full details to Messrs. George Wimpey & Co., Ltd., Tilehouse Lane, Denham, near Uxbridge, Middx. 1474

SENIOR ARCHITECTURAL ASSISTANTS; A.R.I.B.A. standard; used to full control of all drawings for jobs; Intermediate Architectural Assistants; Intermediate examination standard; able to carry out working drawings and details under instruction and supervision. Harry W. Weedon, F.R.I.B.A., and Partners, 129, Lordswood Road, Harborne, Birmingham, 17. 1465

QUANTITY SURVEYOR required by Architects in South Yorkshire; to be solely responsible with assistance for preparations of Bills of Quantities, measuring and adjusting variations on Contracts, and other Surveyor's work; liberal basic salary in accordance with experience and capabilities, with profit-sharing interest to first-class man. Apply by letter, giving brief details of experience and qualifications, Box 1464.

ARCHITECTURAL ASSISTANT required immediately by Gollins, Melvin & Partners, A./A.R.I.B.A.; capable working drawings; salary £400-£500, according to experience. Telephone for appointment: MUSEum 0883. 1516

URGENT.—ARCHITECTS, with growing general practice, want colleague with an outlook and some experience, who would be good member of small group soon to be formed in Cheshire; please state experience, but clearly outline your views; definite basic salary assured. Box 1515.

SENIOR ARCHITECTURAL ASSISTANT required; experience of modern Hospital work desirable; Bloomsbury area; 5-day week. Write stating age, experience, and salary required, to Box 648, c/o 7, Coptic Street, W.C.1. 1469

JUNIOR ASSISTANT required in Architect's office of large company in the City; applicants must be good draughtsmen, with knowledge of construction; capable of preparing accurate surveys, also working and detail drawings. Write, stating age, experience, and salary required. Box 1512.

ARCHITECTS and SURVEYORS, with office in the Birmingham area, require a **QUANTITY SURVEYOR**, with experience in taking off and measurements on site for valuations; salary £8 to £10 per week, according to experience and qualifications. Box 1521.

QUALIFIED ARCHITECTURAL ASSISTANT required in busy Architect's office in Surrey, with view to Partnership; good knowledge of quantity surveying desirable; must be energetic and capable. Apply with full details of experience, qualifications, age, salary, etc., to Box 1504.

ARCHITECTURAL ASSISTANT required, Intermediate to Final standard, in busy office with all-round practice; cannot offer house, but private building licences available. Write, stating age, experience, training, and present salary, Naylor, Sale & Widdows, St. Mary's Chambers, St. Mary's Gate, Derby. 1505

AN expanding Middle East Oil Company urgently requires an **ASSISTANT ARCHITECT** in the London office, for the execution of sketch and working drawings connected with any architectural items required; should be up to senior architectural standard; A.R.I.B.A. preferable; not less than 7 years in drawing offices engaged on housing schemes, public buildings, town planning, etc.; knowledge of Middle East architectural practice, climatic difficulties, materials, is an advantage; some knowledge of reinforced concrete and specialised construction, including the "Bellrock" system, desirable; age 25-40; salary £600-£750 per annum, according to age and experience. Write, giving brief details for application form, and quoting LO 125, to Box "Z.F.," c/o J. W. Vickers & Co., Ltd., 7/8, Great Winchester Street, London, E.C.2. 1534

FLOORS

AND WALL SURFACES OF ALL TYPES TO SUIT ALL CONDITIONS

BY



ESTABLISHED 21 YEARS

HEAD OFFICE & WORKS: WEDNESBURY, Staffs.

Telephone: 0284 (five lines)

London Office: Artillery House, Artillery Row, S.W.1

Telephone: 1547-8 Abbey

GRANOLITHIC - All types	FERROGRAN STEEL FACED	CONSOL STEEL	ANCHOR
DIAMONITE - Hardened grano.	FLOOR FLAGS	FLOOR PLATES	
PRODORDUR machine faced floor tiles	Hydraulically pressed and surface heavily impregnated with metal	10 gauge steel—for very heavy duty	

Also Coloured Asphalt ● Standard Asphalt Flooring ● Wood Block Flooring ● Acid Proof Floors

QUANTITY SURVEYING ASSISTANT required; good opportunity for a keen and reliable youth to progress. Apply in own handwriting, giving full particulars, Naylor, Sale & Widdows, St. Mary's Chambers, St. Mary's Gate, Derby. 1506

MR. LAWRENCE BOND requires an ASSISTANT, at least Inter. standard, in his practice as Diocesan Surveyor and Church Architect, at 11, Elmer Street, Grantham. 1531

SENIOR ARCHITECTURAL ASSISTANT responsible work in Architect's department of large Industrial and Commercial Company in London; please state age, experience, and salary required. Box 1533.

D. DEX HARRISON and Ernest Seel, 34, Holland Park Road, Kensington, W.14, Tel. Western 2418, require ASSISTANT, with some office experience; pleasant conditions and interesting work; salary £2400 to £450. 1538

ARCHITECTURAL ASSISTANT (single) required for country town office; office trained; good draughtsman; car owner/driver; experience in outside supervision and specifications; salary £500 per annum. Details to Box 1542.

WANTED. — QUANTITY SURVEYOR'S ASSISTANT in Northamptonshire Architect's office; salary according to experience; good prospects. Box 1499.

ASSISTANT SURVEYOR required by firm of Gas Plant Manufacturers; age 30/35; pension scheme. Apply in writing, stating full details of experience and salary required, to Humphreys & Glasgow, Ltd., 22, Carlisle Place, S.W.1. 1498

ASSISTANT ARCHITECT required, commencing £550 to £650, according to experience. Pick, Everard, Keay & Gimson, 6, Millstone Lane, Leicester. 1496

Architectural Appointments Wanted

ARCHITECT AND SURVEYOR (under 40). 21 years' varied experience, including property maintenance, disengaged, married with two children, seeks post; would accept £600 p.a. with free accommodation, or £700-£900 without. Brown, 16, Highbury Place, N.5 (CAN. 2145). 214

ASSISTANT BUILDING SURVEYOR (24). Inter. R.I.C.S. requires position in professional office in London; experience in the supervision and measurement of builders' work, preparing surveys and reports of buildings, schedules of dilapidations, knowledge of present day prices, final accounts. Box 226.

ARCHITECT'S ASSISTANT (27) desires position in a cheerful office (London), where speed and hard work are the operative words; speedy draughtsman; Inter. standard (if not higher); 3 years in present position; reason for leaving—sheer boredom. Box 230.

ARCHITECT, B.Sc.(Eng.), A.I.A.A. & S. (aged 31), resides in N. Ireland and requires Situation as an ASSISTANT ARCHITECT, in or near London; experience: licensed premises, all classes of domestic work, alteration work, etc. Box 233.

SENIOR ARCHITECTURAL ASSISTANT available; extensive experience in Municipal housing, schools, ecclesiastical, licensed premises; living accommodation necessary if appointed; outside London. Box 231.

KEEN JUNIOR (age 22), approaching Inter., with 4 years' office experience; capable of producing working drawings from rough sketches, surveying, levelling, etc.; accurate draughtsman; driving licence held. Write, stating salary offered and conditions of employment, Box 232.

Other Appointments Vacant

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

ARCHITECT'S DRAUGHTSMAN required immediately for busy office, Eastern Counties; good tracer and colourist essential, opportunity for keen Junior, either sex. Apply Box 1413.

DRAUGHTSMAN required for West End Architect's office; must have had practical experience, and be able to prepare working drawings from sketch plans, details, good knowledge of building construction, able to survey and plot, etc. Write stating age, experience and salary required, to Box 1532.

FIBROUS Plasterwork, Designer, Draughtsman, Midland area. Interiors, period and modern. Sketches and working details, etc. State age, experience, salary, etc., Box 1541.

DRAUGHTSMAN wanted for Architectural Metal and Pressed Metal work. Apply Morris-Singer Co., Ferry Lane Works, Forest Road, Walthamstow, E.17. 1403

DRAUGHTSMAN for Steel Windows required. Apply personally or by letter, Morris-Singer Co., Ferry Lane Works, Forest Road, Walthamstow, E.17. 1404

CLERK OF WORKS required immediately for Railway Hotel reconditioning, nine months' duration; state age, experience, salary required, and when available. Ruddle & Wilkinson, Architects and Surveyors, Long Causeway Chambers, Peterborough. 1414

DRAUGHTSMAN required immediately in office in Bedfordshire; able to make surveys and prepare working drawings; salary according to experience. Write particulars to Box 1484.

JUNIOR ARCHITECTURAL DRAUGHTSMAN required for Industrial Concern in South-Eastern England. Write to Box 1483 stating qualifications.

DRAUGHTSMAN required; salary £350-£400. Write giving details of experience to Frederick Gibberd, 35, Gordon Square, W.C.1. 1468

DRAUGHTSMEN required by firm in outer (West) London; 5-day week; canteen and transport facilities; excellent prospects; knowledge of pre-cast concrete an advantage, but not a necessity; salary according to ability. Write stating age, experience, etc., to Box 1471.

ARCHITECTURAL DRAUGHTSMAN required in West End Architect's office; sound knowledge building construction; Inter. R.I.B.A. standard; progressive position; salary £416 per annum. Reply Box 1466.

RICHARD COSTAIN, LTD., require ASSISTANT CIVIL ENGINEERS for service in the Middle East; good all-round experience essential, particularly Roads, Sewers, Drainage and Water Supply; contract for duration of 2 1/2 years, with opportunity of renewal; no wives/families first contract; age preferably not over 43; good salary and allowances. Apply in writing, giving full details of age, experience, qualifications, etc., to Personnel Director, Richard Costain, Ltd., Dolphin Square, London, S.W.1. 1473

Services Offered

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

DISTINCTIVE DUPLICATING. — Specifications, Bills of Quantity, etc., duplicated by experts; contractors to Local Government Authorities; detailed price list available. M.P.J. (Facilities), 268, Kipponden Road, Okham. 1637

REGISTERED ARCHITECT. University Degree, 20 years' excellent experience in large housing schemes, flats, schools, factories, etc., seeks leading position in a London office, preferably with a view to an early partnership. Box 1367.

CHARTERED ARCHITECT, Chartered Surveyor, offers part-time assistance; surveys all kinds, levelling, supervision, quantities, specifications, drawings, T.P. Act and W.D. claims, etc., or other work. Box 1401.

TEAM of Architect's Assistants (4) willing to undertake spare-time work; W.D. schedules, specifications, working drawings, details, surveys, etc.; own equipment; London area. Box 1402.

EXPERIENCED DRAUGHTSMAN, domestic architecture, work for reproduction, perspectives, etc., desires free-lance or permanent work. Box 1494.

SITE Surveys, Levelling, Contouring, Map-revision, etc. Qualified Land Surveyor offers specialist service to Architects in London and S.E.; own car and equipment. Box 1493.

EX-POLISH Officer would like post as LAND SURVEYOR or ENGINEERING SURVEYOR; 6 years' practical experience before the war; all further particulars can be forwarded. Box 1470.

A.R.I.B.A., 14 years' experience in all branches of the profession, offers part-time assistance to Architects in the London area; specifications, schedules, surveys, working drawings, etc.; willing to wait for payment until fees actually received, then percentage by agreement; own typewriter and on telephone. Box 1467.

QUALIFIED Architect offers part-time assistance in London. Site reports and preparation of working drawings and specifications. General experience, own car available. Box 1529.

ALL classes of Electrical Power and Lighting Installations in Factories, Offices, Shops, Hotels, etc., carefully planned and specified by qualified Elect. Engineering Designers; fluorescent lighting specialists; Yorkshire area. Box 1520.

PLANS drawn from rough sketches; repairs and conversions. Box 1510.

DRAUGHTSMANSHIP. Designing and Artistry for all trades and professions; moderate terms. Write "New" Services, 85, Heath Street, Birmingham, 18. 1519

SHORTHAND-TYPEWRITING. Copy Typing, Duplicating, Bills of Quantity, Specifications, Estimates, etc.; accurate transcriptions promptly executed; highest credentials. The Berkeley Secretarial Bureau, 150b, High Street, Colchester ('Phone 2122). 1511

For Sale

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

RED Sable Water Colour Brushes, Nos. 0-6; sample set (7 brushes), 22s. 6d., post free; c.o.d. extra. Spur Artists Brush Co., 12, Duke Street, St. James's, London, S.W.1. Whitehall 6640/6988. 663

FOUR pre-war Hardwood Tables, collapsible, for Architect's office; to be seen in London. Offers to Box 1509.

TWO old Oak Beams; 20 ft. by 12 in. by 10 in.; genuine antiques; any reasonable offer. Reynolds, Ludford Bridge, Ludlow. 1507

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, guard rail, factory partitions and gates. Harvest Works, 99, 107, St. Pauls Road, N.1. Canonbury 2061.

GEORGE HIGGINSON, LTD., Bickenhill, near Birmingham. Tel. Hampton-in-Arden 131. Specialist Contractors, Land Clearing, Earth Moving and Levelling. Scrapers and bulldozers with skilled men available for large or small contracts in any districts. 1480

DRAWINGS mounted and framed by experts; work collected and delivered in London. Tel.: Park 4349. The Bowley Gallery, Ltd., 37, Campden Street, Kensington, W.8. 1343

PLUMBING WORK IN DEVELOPMENT AREAS.—Cooper Plumbing Company, Leengate, Lenton, Nottingham, will carry out Plumbing, Heating and Sanitary work on a considerable scale in any development area; estimates based on quantities (or plans and specifications for inclusion as prime cost sum) promptly prepared. Telephone: Nottingham 73670. 1421

AFFIANCED Student R.I.B.A. wishes to rent Unfurnished Accommodation, within reach London. Vivian, Heathfield, Lower Kingswood, Surrey. Reigate 2576. 1482

ENQUIRIES invited for the complete supply and erection of heating, ventilating, domestic and general pipe engineering installations of every description. Large stocks of boilers, pipes, radiators and general heating accessories available ex stock. Special attention to maintenance and breakdowns. Barnett & Co. (Midlands), Ltd., Calitherm Works, Darlington Street, Wolverhampton. 1524

Educational Announcements

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

R.I.B.A. AND T.P.I. EXAMINATIONS.—Mr. L. Stuart Stanley, M.A., F.R.I.B.A., Dist.T.P.I., M.T.P.I. Tutor in the Bartlett School of Architecture, London University, prepares candidates by correspondence tuition, 15, North Road, N.6. Tel.: MOUNTVIEW 8104.

QUALIFYING EXAMINATIONS
R.I.B.A. AND T.P.I.
 INTER & FINAL FINAL
 Courses of Instruction by Correspondence and Personal in Studio
C. W. BOX
 F.R.I.B.A., A.STRUCT.E., M.R.SAN.I.
 115 GOWER STREET, W.C. Euston 3906

R I B A INTER, FINAL & SPECIAL FINAL.
 Postal Courses in all subjects of the examination syllabus (including Professional Practice) are conducted by
THE ELLIS SCHOOL OF ARCHITECTURE
 Principal: A. B. Waters, M.B.E., G.M., F.R.I.B.A.
 16, ALBANY HOUSE, WORCESTER.
 London Office: 103, Old Brompton Road, S.W.7



"Every man is the architect of his own fortune."
—BALLUET

ICS STUDY COURSES

bring professional advancement

Professional practice or examinations for membership of their associations present no fears to I.C.S. trained men. Thorough practical preparation by means of spare time study has cleared every hurdle for countless I.C.S. students and secured their future in well-paid posts.

Here are some of the subjects in which we offer thoroughly sound postal instruction.

- | | |
|-----------------------------------------|-------------------------|
| Architecture | Surveying and Mapping |
| Architectural Drawing and Designing | Plan and Map |
| Building Contracting | Draughtsmanship |
| Building Construction and Interior Work | Structural Engineering |
| Building Construction and Quantities | Concrete Engineering |
| Building Specifications | Structural Drawing |
| Quantity Surveying | Sanitary Engineering |
| Civil Engineering | Air Conditioning |
| | Heating and Ventilation |

Special Courses for the examinations of the R.I.B.A., I.O.B., R.I.C.S., Inst. C.E., I.M.E. (Building Inspectors), Inst. Struct. E., etc. Examinations students are coached till successful.

Write to-day for Syllabus of our Courses in any of the subjects mentioned above.

International CORRESPONDENCE SCHOOLS

Dept. A.J. 12, International Buildings, Kingsway, London, W.C.2.

ILLUSTRATION OF BUILDING PROJECTS

Architect artist-exhibitor undertakes illustration of schemes at sketch plan stage

PER RETURN SERVICE

6gns. for all average projects
Send rough scale details and a note of materials and context

Metcalf, Llanbister, Llandrindod, Rads. Telephone: Llananno 37

SENIOR DESIGNER—DRAUGHTSMAN required. Must be skilled in shopfitting work.

Apply Managing Director, E. Pollard & Co. Ltd., 159 St. John St., Clerkenwell, E.C.1

The Satisfaction of Quality lasts long after price is forgotten. Where Hygienic glazed wall surfaces are required in either panel form or "Insitu" you can with confidence specify

"BRITERNITE"

It is a rock hard impervious glaze obtainable in any colour.

IT WILL NOT STAIN

Staff of experts available for "Insitu" work.

Enquiries:—

British Glazed Products, Alpha Works, Alpha Street, Peckham, S.E.15. New Cross 0975. London.

Export Enquiries:—

G. B. Ward & Co., Ltd., Royal Insurance Chambers, Preston, Lancs.

MINISTRY OF WORKS

There are vacancies in the Chief Architect's Division for

ARCHITECTURAL ASSISTANTS

with recognised training and fair experience. Successful Candidates will be employed in London and elsewhere on a wide variety of Public Buildings, including Atomic Energy and other Research Establishments, Telephone Exchanges, and Housing.

Salary: Architectural Assistants, £300-£525 per annum; Leading Architectural Assistants, £500-£625, plus overtime. Starting pay will be assessed according to age, qualifications and experience. These rates are for London; a deduction is made in the provinces. Although these are not established posts some of them have long-term possibilities and competitions are held periodically to fill established vacancies.

APPLY in writing, stating age, nationality, full details of experience, and locality preferred, to Chief Architect, W.G.10/T, Ministry of Works, Abell House, London, S.W.1.

TILYARD TILES LIMITED

WALL & FLOOR TILING
TILED FIREPLACES

APPROVED SPECIALISTS FOR
ARMSTRONG'S "ACCOTILE"
FLOORING.

182 EARL'S COURT ROAD, S.W.5
Phone: Frobisher 3479—6762
SHOWROOMS: 1-5 CHILD'S PL.
EARL'S COURT

FIBROUS PLASTERWORK OF EVERY DESCRIPTION

ALLIED GUILDS

King Edward Square,
SUTTON COLDFIELD. Tel.: Sut 3809

STEELWORK BY

R.W. SHARMAN LTD.

SWAN WORKS, HANWORTH, MIDDX.

Phones: Faltham 3007. Sunbury 3210. Grams: "Sharmar, Sunbury"

THE WORLD'S GREATEST BOOKSHOP

FOYLES FOR BOOKS

LARGE DEPT FOR BOOKS ON ARCHITECTURE
New & secondhand Books on every subject
We BUY Books, too
119-125 CHARING CROSS RD LONDON WC2
Gerrard 5660 (16 lines) * Open 9-6 (inc Sats)

NAILABILITY— There is no such word

We had to invent it to express one of DURAC'S outstanding qualities—the ease with which it can be nailed without previous drilling.

DURAC asbestos board is easy to saw, a good insulator, takes paint and distemper well.

Standard Sizes: 8' x 2' 6"
6' x 2' 6"
Thickness: 3/16"
Weight: 1.9 lbs. per sq. ft.

LICENCE FREE
From timber and builders' merchants everywhere.
Sole distributors: Denny Mott & Dickson Ltd.
Adelside House, London, E.C.4.



DURAC — the workable building board

AMERICAN ARCHITECTURE

"AMERICAN BUILDER"	per year 50s. 0d.
"ARCHITECTURAL FORUM"	60s. 0d.
"ARCHITECTURAL RECORD"	32s. 6d.
"PROGRESSIVE ARCHITECTURE" (formerly "PENCIL POINTS")	30s. 0d.

by annual subscription through
STOBART & SON LTD
9, Victoria Street, London, S.W.1

SPECIFY **ELLISON** ELECTRIC SWITCHGEAR

For High Voltage Mains Distribution Mains and Motor Starters

GEORGE ELLISON LIMITED
Perry Barr, Birmingham 28

WHITE FACING BRICKS

(S. P. W. BRAND)

TELEPHONE & TELEGRAMS
BULWELL 78237-8

M. McCARTHY & SONS, LTD
BULWELL NOTTINGHAM

Alphabetical Index to Advertisers

	PAGE		PAGE		PAGE
Aidas Electric, Ltd.		Froy, W. N., & Sons, Ltd.	vii	Mills Scaffold Co., Ltd.	PAGE
Allied Guilds	lvii	Foyles	lvii	Ministry of Works	lvii
Allied Ironfounders, Ltd.	xix	Gaskell & Chambers, Ltd.	xliii	M.K. Electric, Ltd.	xiv
Anderson, D., & Son, Ltd.		Greenwoods & Airvac Ventilating Co., Ltd.		Moler Products, Ltd.	
Austin Hall Group of Companies, The	ix	Gyproc Products, Ltd.	xxv	Mumford Bailey & Preston, Ltd.	
Anderson Construction Co.	xxviii	Hall, J. & E., Ltd.	xx	National Federation of Clay Industries, The	
Andrews Bros. (Bristol), Ltd.	ii	Hall, John, & Sons	lix	National Savings Committee	xxvii
Architects' Benevolent Society	xlviii	Hammond & Champness, Ltd.		Nobles & Hoare, Ltd.	lx
Ault & Wiborg Group, The	xxi	Harcourts, Ltd.	xxxv	Norris, C. W., Ltd.	xlviii
Ascot Gas Water Heater, Ltd.	xii	Harvey, G. A., & Co. (London), Ltd.	iii	Orlitt, Ltd.	xxvi
Bath Cabinet Makers & Arterrafts, Ltd.	xvi	Helliwell & Co., Ltd.	xl	Paragon Glazing Co., Ltd.	xiv
Higwood, Joshua, & Sons, Ltd.	vi	Henderson, P. C., Ltd.		Paul, W. H., Ltd.	xlvi
Birmingham & Blackburn Construction Co., Ltd.	xlix	Hills, F., & Sons, Ltd.	x	Pollard, E., & Co., Ltd.	lvii
Biro Pen	ii	Holoplast, Ltd.	xxxii	Pritchett & Gold & E.P.S. Co., Ltd.	
Boddy Roofing Co., Ltd., The	xlvi	Hope, Henry, & Sons, Ltd.	xxx	Prodorite, Ltd.	lv
Booth, John, & Sons (Bolton), Ltd.		Hopton Wood Stone Firms, Ltd.		Redhill Tile Co., Ltd.	
Boulton & Paul, Ltd.		Ibstock Brick & Tile Co.	lviii	Reparations & Steam Brush Co. Ltd.	xi
Bowaters Building Boards, Ltd.		Imperial Chemical Industries, Ltd.		Ruberoid Co., Ltd.	xliv
Box, C. W., F.R.I.B.A.	lvii	Industrial Engineering, Ltd.		Rubery, Owen & Co., Ltd.	
Braby, Fredk., & Co., Ltd.	xxii	International Correspondence Schools, Ltd.	lvii	Sadd, John, & Sons, Ltd.	
Braithwaite & Co., Engineers, Ltd.		Jenkins, Robt., & Co., Ltd.		Sankey, J. H., & Son, Ltd.	
Bratt, Colbran, Ltd.		Jewood, Ltd.		Sankey-Sheldon	
Briegs, Wm., & Sons, Ltd.	xxix	Jones, Saml., & Co., Ltd.	lix	Scaffolding (Great Britain), Ltd.	
British Aluminium Co., Ltd.		Kent & Sussex Contractors, Ltd.		Sealocrete Products, Ltd.	xliii
British Gas Council		Key Engineering Co., Ltd., The	xlviii	Secomatic, Ltd.	
British Glazed Products	lvii	Kingfisher, Ltd.		Semtex, Ltd.	
British Insulated Callender's Cables, Ltd.		King, J. A., & Co., Ltd.		Sharman, R. W., Ltd.	lvii
British Mouldex Rubber Co., Ltd.	xlv	Laing, John, & Son, Ltd.		Shires & Co. (London), Ltd.	xlvii
British National Electric, Ltd.	viii	Lead Industries Development Council		Simplex Electric Co., Ltd.	
Britmao Electrical Co., Ltd.		Leatherfor, Ltd.		Smith & Rodger, Ltd.	ii
Broad & Co., Ltd.	iv	Le Grand, Sutcliff & Gell, Ltd.		Smith's English Clocks, Ltd.	
Brown, Donald (Brownall), Ltd.		Lightfoot Refrigeration Co., Ltd., The		Stelcon (Industrial Floors), Ltd.	ii
Cellon, Ltd.	xxxiv	Lindsay's Paddington Ironworks (1948), Ltd.		Stobart & Son, Ltd.	lvii
Cement Marketing Co., Ltd.		London Brick Co., Ltd.		Southern Lime Association, The	xxxviii
Central Office of Information	xv	London Sand Blast Decorative Glass Works, Ltd., The	iii	Sundeala Board Co., Ltd.	xli
Constructors, Ltd.	xxxix	Lysaght, John, Co., Ltd.	xxxviii	Temple Varnish Co., Ltd., The	xliv
Copperad, Ltd.		Magnet Joinery, Ltd.		Thompson, Beacon Windows, Ltd., John	
Courtney, Pope, Ltd.		Mallinson, Wm., & Sons, Ltd.		Thompson, F. H., & Sons	xxxvi
De La Rue Gas Development, Ltd.		Marley Floor Tile Co., Ltd., The	xxiii	Tilyard Tiles, Ltd.	lvii
De La Rue Insulation, Ltd.		Masonite, Ltd.		Troughton & Young (Lighting), Ltd.	
Denny, Mott & Dickson, Ltd.	lvii	Maxvitta Drafting Machines, Ltd., The		True-Flue, Ltd.	
Diespeker & Co., Ltd.	xvii	Maxwell, Andrew	xli	Tucker, G., & Son, Ltd.	xlviii
Dow-Mac (Products), Ltd.	xiii	McArd, Robt., & Co., Ltd.	lvii	United Steel Companies, Ltd., The	xi
Dunlop Rubber Co., Ltd.	v	McCarthy, M., & Sons, Ltd.		Venesta, Ltd.	
Educational Supply Association, Ltd.	xxxiii	Metallie Seamless Tube Co., Ltd.		Vulcanite, Ltd.	
Ellis School of Building	lvii	Metal Sections, Ltd.		Warerite, Ltd.	xxiv
Ellison George, Ltd.	lvii	Metropolitan-Vickers Electric Co., Ltd.	xlii	Waring & Gillow, Ltd.	
Esse Cooker Co., The	xliv	Michelin Tyre Co., Ltd.	xxxv	Weathershields, Ltd.	xliv
Excel Asphalt Co., Ltd.		Midland Joinery Works, Ltd.	lx	Wellington Tube Works, Ltd.	
Farmer, S. W., & Son, Ltd.	xlii	Midland Woodworking Co., Ltd.		Westwood, J. & Co.	xxxix
Farmiloe, T. & W., Ltd.	xxvii			Wilecox, W. H. & Co., Ltd.	xlix
Finch, B., & Co., Ltd.				Woods of Colchester, Ltd.	
Frays (Engineers), Ltd.	xlvii			Wright Anderson & Co., Ltd.	

For Appointments (Wanted or Vacant), Competitions Open, Drawings, Tracings, etc., Educational, Legal Notices, Miscellaneous Property, Land and Sales, see pages ii, iii, liii, liv, lv, lvi, and lvii.

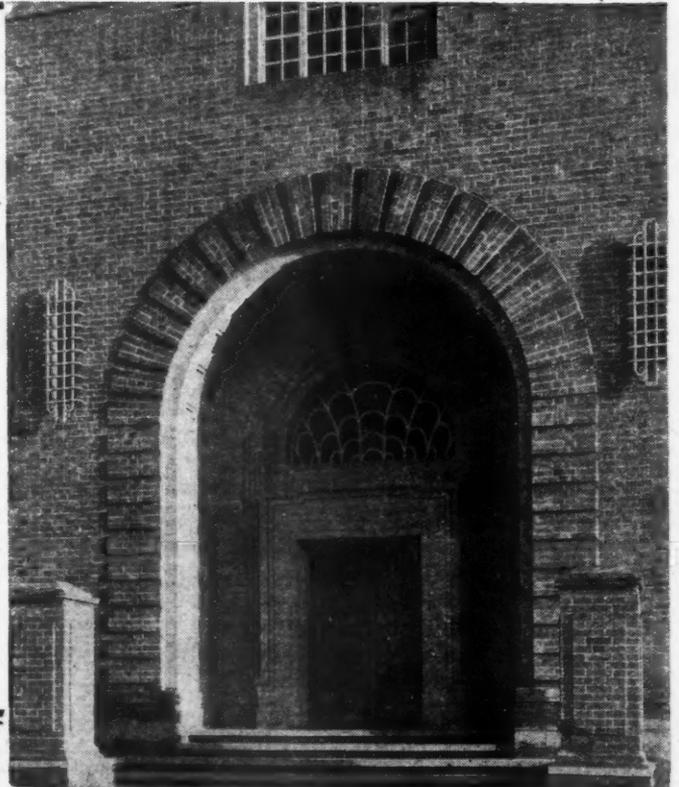
Silver-Grey HAND-MADE Facings

To meet the demand for a light grey facing for formal elevations, for use in town, with or among stonework, etc., Ibstock Silver-Grey facings are now available. Very attractive texture and colour. May we show you a specimen panel?

IBSTOCK

Manufacturers of high-grade bricks
in many selected colours

IBSTOCK BRICK & TILE CO. LTD.
near LEICESTER. Phone: 98/9
London: L.M.S. Goods Depot, High St., Kensington, W.8
Phone: Western 1281/2



PAGE
lx
lvii
xiv

xviii
lx
xxvii
xlviii
xxvi
xiv
xlv
lvii

lv
xl
xliv

xliii

lvii
xlvii

ii

ii
lvii
xxxviii
xli
xliv

xxxvi
lvii

xlviii
xi

xxiv

xliv

xxxix
xlix



T
I
T
H
M

it
to
w
ei
on
de
to

ca
fr
in

S



Perfect Fitting

DOORS

to last for generations

Whether you want them made to Architects' details or to British Standard Specifications, you can always be sure that Midland Joinery Doors will prove more satisfactory in the long run, and justify your recommendation.

The **MIDLAND JOINERY WORKS LTD**
BURTON - ON - TRENT

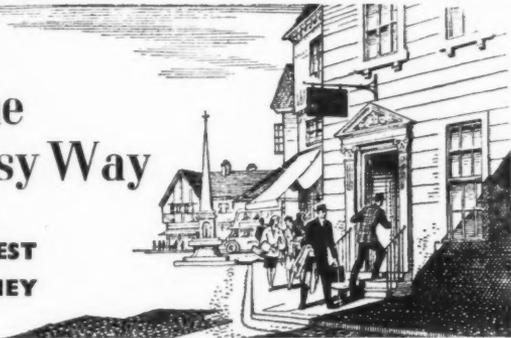
All our timber is properly seasoned in modern kilns on our premises.

Phone: Burton 3685 (3 lines)

PROMPT DELIVERY OF FLUSH & PANEL DOORS



The Easy Way TO INVEST MONEY



Buy National Savings Certificates the Bank way—it is simple, automatic and without any additional charge to you. You just sign the Special Banker's Order form which your Bank Manager can now give you, authorising either a single purchase of National Savings Certificates, or a regular monthly investment. That is all you have to do—and with a stroke of the pen you will have helped to secure your own future, and your country's prosperity.

You can now hold 1000 10/- units of the new Certificate, and in ten years this £500 will have grown to £650 free of tax. Secure for yourself this profitable gilt-edged investment by calling on your Bank Manager.

SAVE — The Bank Way

Issued by the National Savings Committee

GENUINE PRE-WAR Brolac IS BACK AGAIN!
 The double protection paint with the enamel finish

The best paint-news since the war is that Brolac is back on the home market! Only in limited supplies, for the bulk of our output goes for export. But it is real 100% pre-war Brolac, the paint that made Hankol famous — the paint that laughs at sea air, scorching sun, corrosive city dirt and bathroom steam. Indoors or outdoors, wherever you need a gloss paint, Brolac will give twice the protection against wear and weather.

There won't be enough Brolac to go round, we are afraid — so get your order in early.

JOHN HALL & SONS
 (Bristol & London) Ltd · Hengrove, Bristol, 4
 Who also make Bristol & Brolistic

The Brolac factory also makes Murac, the new type matt finish for interior walls. Ideal for hospitals, schools, hotels, etc. — you can wash it, rub it, scrub it.

AND PROTECTION OF HIGHLY FINISHED SURFACES • PRESSURE SENSITIVE • REQUIRES NO HEAT • SPECIALLY ACID FREE • FOR EASY REMOVAL LEAVING ANY DAMAGE

INDUSTRIAL WORK • FOR AIRTIGHT SEALING • FOR MASKING AND PROTECTION OF HIGHLY FINISHED SURFACES • PRESSURE SENSITIVE • REQUIRES NO HEAT • SPECIALLY ACID FREE • FOR EASY REMOVAL LEAVING ANY DAMAGE

INDUSTRY • PRESSURE SENSITIVE • REQUIRES NO HEAT • SPECIALLY ACID FREE • FOR EASY REMOVAL LEAVING ANY DAMAGE

UNDLING AND ORIFICE SEALING • COMMERCIAL PURPOSES • FOR BINDING LAMPSHADE FRAMES • FOR HOLDING AND PROTECTION OF HIGHLY FINISHED SURFACES • PRESSURE SENSITIVE • REQUIRES NO HEAT • SPECIALLY ACID FREE • FOR EASY REMOVAL LEAVING ANY DAMAGE

STRIPS WITH ADHESIVE • FOR MASKING AND PROTECTION OF HIGHLY FINISHED SURFACES • PRESSURE SENSITIVE • REQUIRES NO HEAT • SPECIALLY ACID FREE • FOR EASY REMOVAL LEAVING ANY DAMAGE

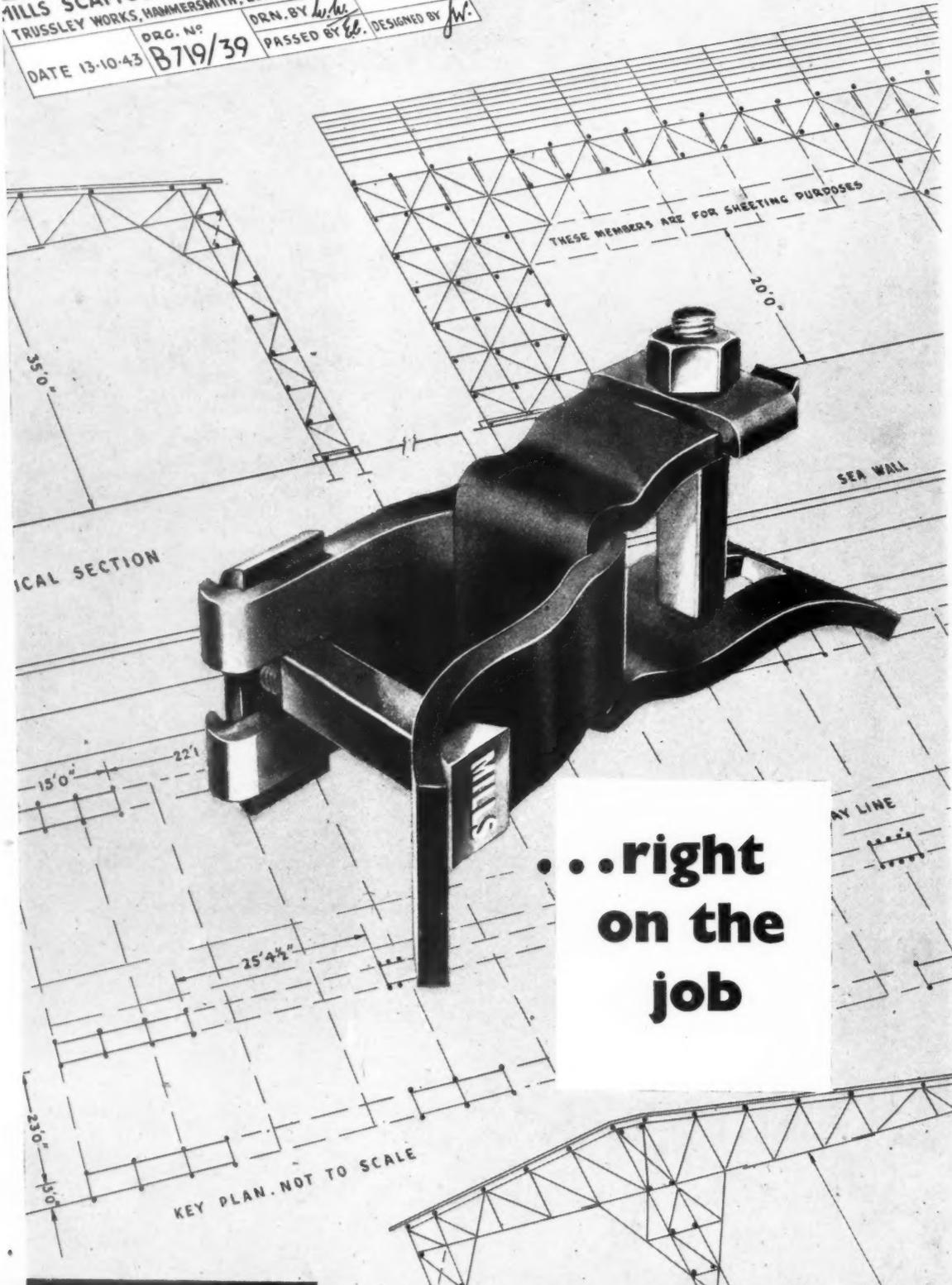
IMMEDIATE STOCK SERVICE
 in a wide range of widths

QUALITY PRODUCTS
 regularly used by all leading manufacturers

SELF ADHESIVE PAPER
 SAMUEL JONES & CO LTD
 NEW BRIDGE STREET LONDON

SELF ADHESIVE CLOTH TAPE
 SAMUEL JONES & CO LTD
 NEW BRIDGE STREET LONDON E C 4 CENTRAL 6500

MILLS SCAFFOLD COMPANY LTD.
 TRUSSLEY WORKS, HAMMERSMITH, LONDON, W.6.
 DATE 13-10-43 **DRG. NO. B719/39** DRN. BY *h/w* PASSED BY *eb* DESIGNED BY *fw*



**...right
 on the
 job**

MILLS
 SCAFFOLD CO., LTD.

Branches and Depots: BELFAST • BIRMINGHAM • BOURNEMOUTH • BRIGHTON
 • BRISTOL • CARDIFF • COVENTRY • DUBLIN • GLASGOW • HULL • ILFORD
 • LIVERPOOL • LOWESTOFT • MANCHESTER • NEWCASTLE • NORWICH
 • PORTSMOUTH • PLYMOUTH • RAMSGATE • SOUTHAMPTON • SWANSEA • YARMOUTH
 Head Office: TRUSSLEY WORKS, HAMMERSMITH GROVE, LONDON, W.6. Tel.: RIVerside 5026/9

