

THE ARCHITECTS' JOURNAL

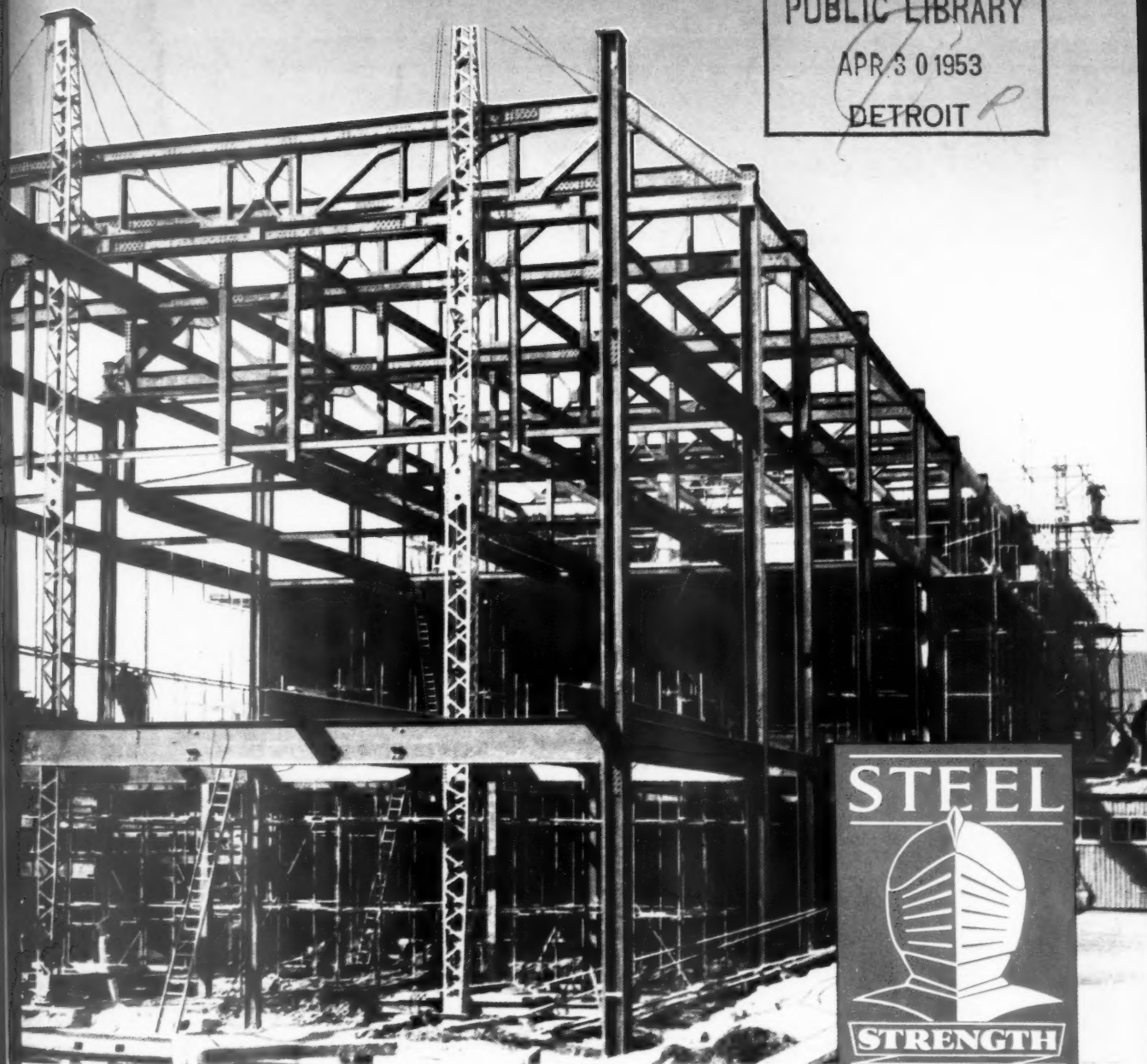
ARTS DEPT.

THE RECONSTRUCTION OF SOUTHAMPTON

PUBLIC LIBRARY

APR 30 1953

DETROIT



THE BRITISH HOME STORES,

one of the many steel framed buildings erected at Southampton.

Architect: George Coles, F.R.I.B.A., acting in collaboration with A. Walker, L.R.I.B.A., Staff Architect to British Home Stores Ltd.

Consulting Engineers: W. S. Atkins & Partners.



B.C.S.A

BRITISH CONSTRUCTIONAL STEELWORK ASSOCIATION, ARTILLERY HOUSE, WESTMINSTER, S.W.1

Price 1s. 0d. Registered as a Newspaper.

Permanent ventilation with locked window security!



Specialists in the design of ventilation equipment for buildings, vehicles and vessels

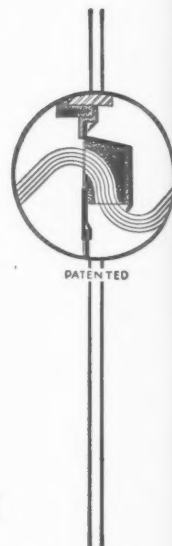
THE GREENWOOD-AIRVAC

"PERMAVENT"

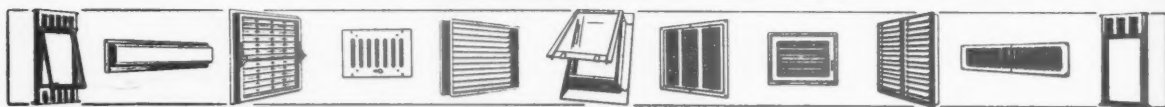
HORIZONTAL WINDOW VENTILATOR OFFERS THESE UNIQUE FEATURES

- * COMPLETELY WEATHERPROOF
- * SUPERSEDES UNSIGHTLY AIRBRICKS
- * MADE TO FIT ANY SIZE OR TYPE OF WINDOW
- * CAN BE FITTED TO WOOD OR METAL FRAMES
- * SUITABLE FOR INTERNAL OR EXTERNAL GLAZING

As approved and specified by F. L. Wooldridge, Esq., M.I.C.E., M.I.Mun.E., Borough Engineer & Surveyor for Southampton Corporation Housing. Also by Architects and Engineers throughout the country.



GREENWOOD'S AND AIRVAC
Ventilating Company Limited
BEACON HOUSE CHANCERY BUS 67 KING WAY "AIRVAC" LONDON LONDON W.C.2



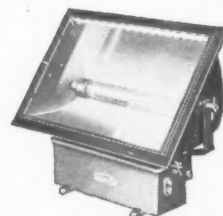
Late Reminder

There is still time to obtain

Wardle

FLOODLIGHTS FOR CORONATION DAY

Various types for gas-filled, projector, tubular line filament, mercury and sodium vapour lamps. Suitable for all kinds of decorative and useful indoor and outdoor illuminations in factories, rail yards, parking grounds, sports arenas, etc.



THE **WARDLE** ENGINEERING CO. LTD., OLD TRAFFORD, MANCHESTER 16



C

C-2



IDEAL

METAL CASEMENTS

were supplied for the Lockerley and Chilworth Housing Estate.

Leading Authorities specify Ideal standard and purpose made windows, doors and industrial sashes.

Send us your enquiries

IDEAL CASEMENTS

(READING) LTD.

READING

Tel. : 62676

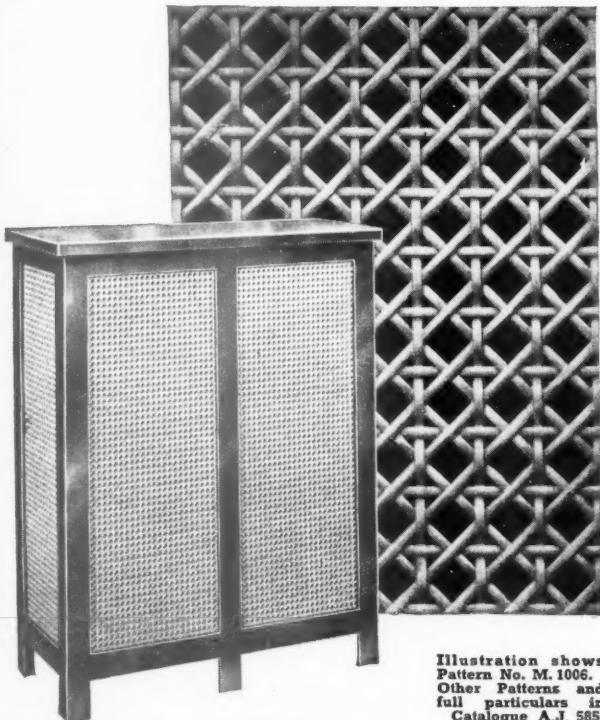
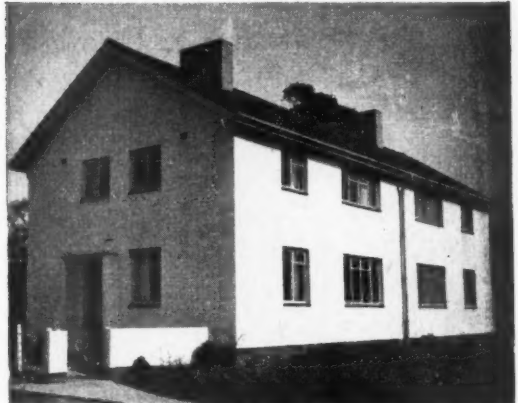


Illustration shows Pattern No. M. 1006. Other Patterns and full particulars in Catalogue A.J. 585.

HARCO PATENT METALACE

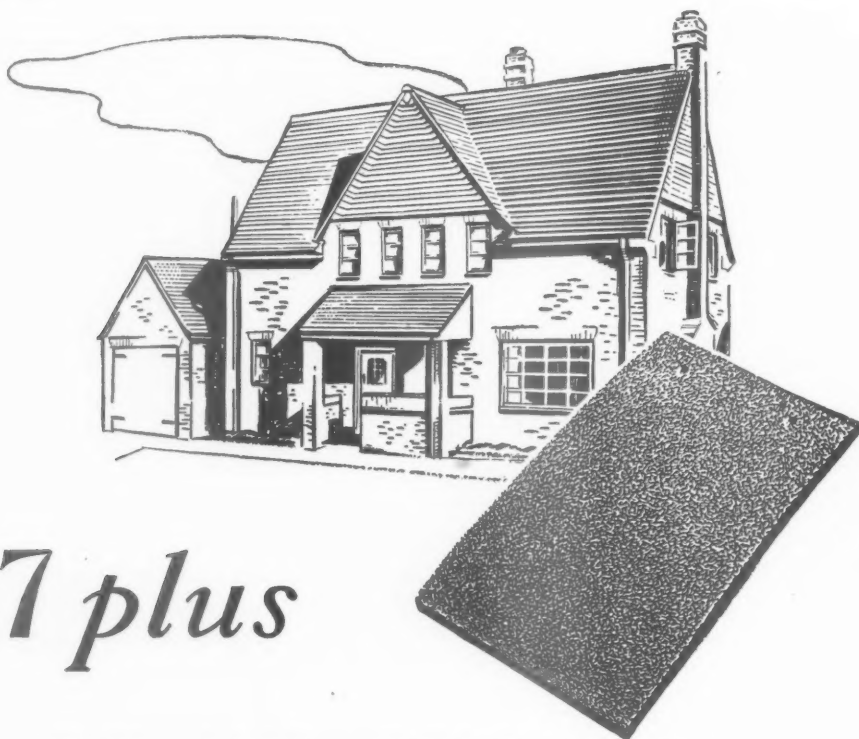
PRODUCED IN ROLLS OF 25' TO 100' LONG BY 2'11" WIDE.

The artistic effect of Harco Patent Metalace renders it particularly suitable for use where care of design and appointment are of major importance. Architects will appreciate that it not only screens the unsightly, but allows free circulation of air. The patterns in which Metalace can be woven, make it the perfect selection for Lift Shaft Enclosures, Ventilating Panels, Radiator Covers, Electric Heater Covers, etc.

Harvey

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

*This fine example of modern architecture
is roofed with Dignus 11"×7" Dark
Red Sandstorm roofing tiles*



11×7 *plus*

The high standard of Dignus 11"×7" Sandstorm roofing tiles is only achieved by the use of first class materials and expert attention to detail at every stage of manufacture.

The illustration below shows one of our Fittings Makers who, with the use of moulds and templates, is cutting the hip or valley bats to shape before applying sand. If you would like fuller details of our processes we suggest that you send for a copy of the Dignus Brochure, without obligation, of course.



DIGNUS *Siles*

SANDSTORM

Best Quality Tiles are
Guaranteed for Fifty Years

DIGNUS LIMITED, KEELE, NEWCASTLE, STAFFS

KESWICK HALL, NORWICH & NORFOLK TRAINING COLLEGE

The walls of all kitchens, bathrooms, toilets and many classrooms are covered with "Lion" Brand Lancaster Washable Wallcovering. Architects: Seeley and Paget, F./L.R.I.B.A.



★ **DURABLE.** Lancaster Washable Wallcovering consists of a cotton fabric base factory-coated with several coats of paint by a special process. This process ensures perfect adhesion between coats and gives the Wallcovering exceptionally long life and durability.

★ **WASHABLE.** A damp cloth wipes away all normal dirt. Grease and soot can be removed with warm water and a little mild soap.

★ **EASY AND QUICK TO HANG.** Adhesive is applied to the wall, the fabric back of the Wallcovering gives a perfect bond and imperceptible butt joints. Lancaster Wallcovering is the equivalent of several coats of paint applied in one simple and quick operation.

★ **SMART APPEARANCE** because Lancaster Washable Wallcovering is so easy to keep clean and fresh. Manufacturing methods ensure even colouring and an attractive finish. No risk of unsightly cracks as in painted walls.

LANCASTER

WASHABLE WALLCOVERING

"LION"



BRAND

JAS. WILLIAMSON AND SON LIMITED • LANCASTER

London Office: EPOWORTH HOUSE, 25-35 CITY ROAD, E.C.1

* Department of Botany, Oxford University. Architects, Thomas Worthington & Sons.

the staircases...



*in this building.**

are in...



Empire Stone

EMPIRE STONE COMPANY LIMITED

THANET HOUSE,
231 STRAND, LONDON,
W.C.2.

BERKELEY HOUSE,
BIRMINGHAM, 16.

NARBOROUGH, Nr.
LEICESTER.

324 DEANS GATE
MANCHESTER 3.



"ZONAPLAX" PLASTER gives EXCELLENT THERMAL INSULATION and FIRE PROTECTION

Offices of the Alexandra Transport Co. Ltd., Glasgow.

Architects: Cullen, Lockhead & Brown.

Contractors: Hugh Broadley Ltd., Glasgow.

Plastering Sub-Contractor: H. Sutton, Paisley.

In this building "ZONAPLAX" Vermiculite Insulating Plaster was used extensively to increase the thermal insulation and fire protection properties of walls.

"ZONAPLAX" Undercoat and Finishing Grades consist of gypsum plaster and exfoliated vermiculite. Both are supplied ready mixed, requiring the addition of clean water only, and are applied by normal plastering methods. For anti-condensation purposes always finish with "ZONAPLAX" Finishing Plaster or, alternatively, where a hard surface is required, "PARISTONE" Wall Finishing Plaster may be employed.

FIRE PROTECTION: The very nature of the ingredients of "ZONAPLAX", gypsum and vermiculite, ensures excellent fire protection. A 4½" brick wall plastered on both sides with ½" "ZONAPLAX" has a four hour fire resistance compared with the two hour fire resistance grading if plastered with traditional materials.

LIGHTNESS AND CRACK RESISTANCE: "ZONAPLAX" is only one-third the weight of traditional plasterwork and, therefore, reduces the dead load of walls and partitions to which it is applied. Also, because of its inherent resiliency, it can more effectively resist cracking through structural movement.

THERMAL INSULATION: "ZONAPLAX" has a thermal resistance three times greater than that of ordinary gypsum plaster materials containing sand.

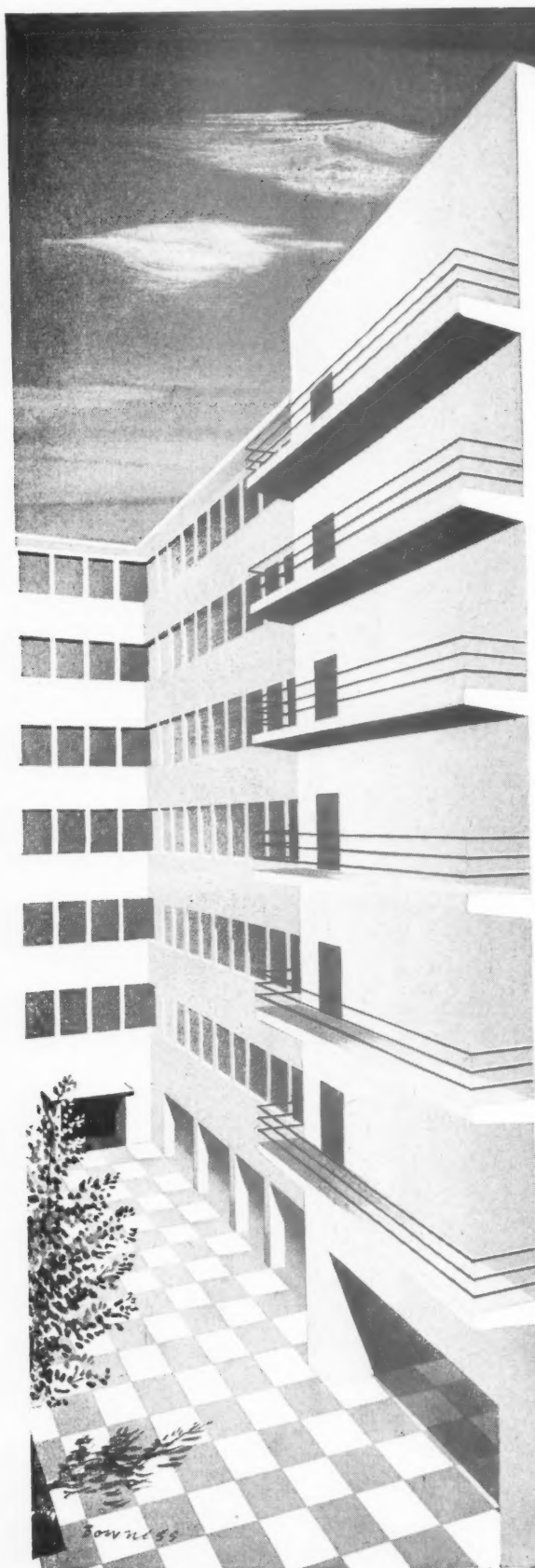


"ZONAPLAX" Undercoat Plaster being applied over brickwork in the usual manner.

Makers of PARISTONE Browning Plaster (Haird, Unhaird and Metal Lathing Grades), PARISTONE Wall Finishing Plaster, CRESTONE Concrete Bonding Plaster, GYPTONE Board Finishing Plaster, ZONAPLAX Vermiculite Insulating Plaster (Undercoat and Finishing Grades).

GYPROC PRODUCTS LIMITED

Head Office: Westfield, Upper Singlewell Road, Gravesend, Kent. Telephone: Gravesend 4251-4. Telegrams: Gyproc, Gravesend. Glasgow Office: Gyproc Wharf, Shieldhall, Glasgow, S.W.1. Telephone: Govan 2141-3. Telegrams: Gyproc, Glasgow. Midland District Sales Office: East Leake, near Loughborough. Telephone: East Leake 231. London Office: Morris House, 1-5 Jermyn Street, London, S.W.1. Telephone: Whitehall 8073-4. GZ1



The contemporary concept
in architecture could never have found
expression without concrete.
This flexible medium has made possible
the revolutionary buildings
of our era — soaring skyscrapers,
immense blocks of flats,
massive power stations. Versatile,
strong, enduring, concrete owes its
character to the cement from which it is
made and has come to be
recognised as a

***symbol of
progress . . .***

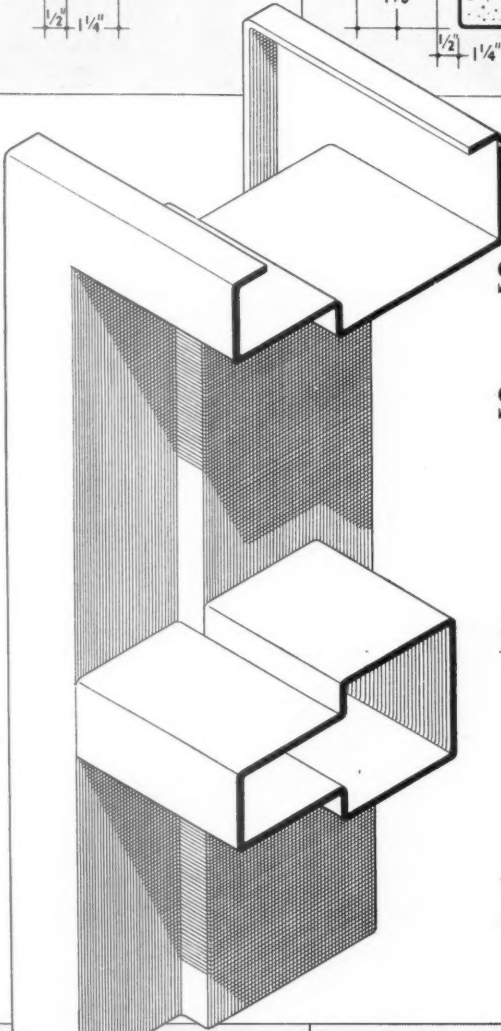
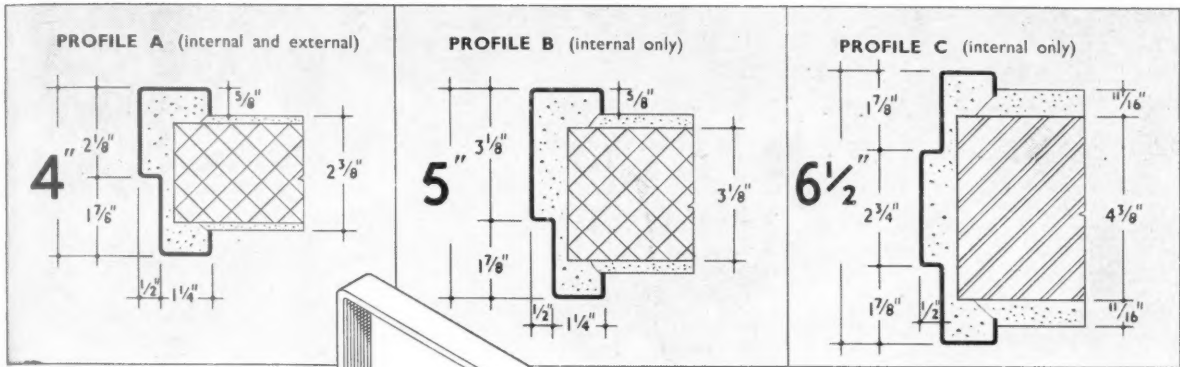


This symbol identifies the products of
THE CEMENT MARKETING COMPANY LTD.

selling organisation of
The Associated Portland Cement Manufacturers Ltd.
The British Portland Cement Manufacturers Ltd.
Portland House, Tothill Street, London, S.W.1.
Suppliers of Blue Circle Portland Cement, 'Ferrocrete', '417' Cement,
S.R.P.C. Sulphate Resisting Cement, 'Snowcem' Cement Paint, etc.

BRITISH CEMENT IS THE CHEAPEST IN THE WORLD

L. 19

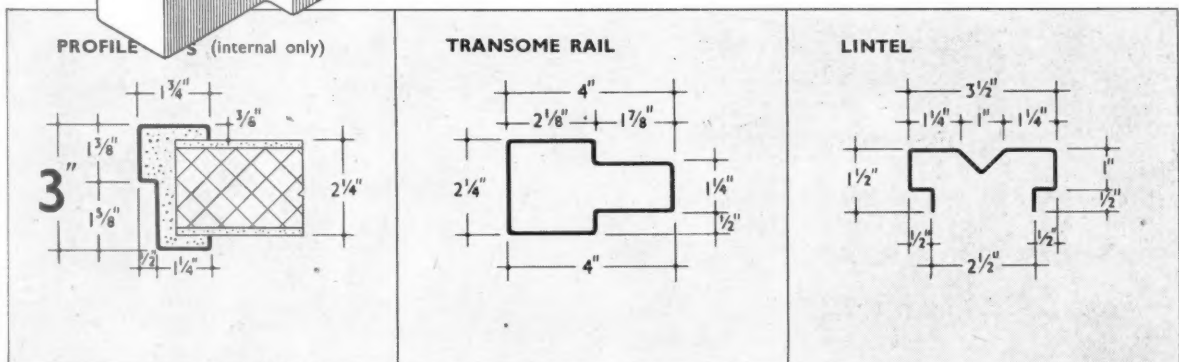


STANDARD PRESSED STEEL DOOR FRAMES

TO BSS 1245 BY

MORRIS SINGER

THE MORRIS SINGER COMPANY LIMITED, FERRY LANE WORKS,
FOREST RD., WALTHAMSTOW, E.17 PHONE: LARKSWOOD 1055





CUISINE GRANDE LUXE- AND NO TROUBLE

*I*t's Gala Night tonight, and the chef has produced a masterpiece of French cooking. The guests praise the manager; the manager praises the chef; and the chef praises a well planned kitchen with all the latest cooking appliances. Since **RADIATION LARGE COOKING EQUIPMENT** has been installed at the Imperial Hotel, Blackpool, both guests and chef enjoy the holiday season all the more.

Radiation Kitchen Planners will give you expert advice on the designing, planning and equipping of your kitchen—all free of charge! Consult them on the installation of any and every sort of kitchen equipment, from a complete kitchen unit down to single items.

Radiation After Sales Service maintains equipment at the highest pitch of mechanical efficiency. Regular inspection keeps down fuel bills and ensures the maximum work from every piece of equipment.



Kitchen Contractors
Messrs. W. Wheeler & Company,
Blackpool.

Let **RADIATION** solve your next kitchen equipment problem — just write or phone:

WARRINGTON, LANCs. Warrington 1172
7 STRATFORD PLACE, LONDON, W.1
MAYfair 6462





New parts of the English scene...

The new L.C.C. developments on the outer fringe of London, the New Towns and the housing estates of other large Cities beyond their own borders, all form part of the new and changing English

scene. And all make heavy demands on Marley for the supply and fixing of Roof Tiles. The Marley dual guarantee is an important factor in this widespread preference for Marley tiles and tiling.



"Not for an age—but for all time"

The Marley Tile Company Ltd., London Road, Sevenoaks, Kent. Sevenoaks 2251

Scotland: Bishopbriggs 1093.

Wales: Pencoed 376.

Northern Ireland: Belfast 24447.

Eire: Dublin 51794

MARLEY

THE MARLEY TILE COMPANY GUARANTEES

1. That Marley Tiles will not laminate or decay for 50 years.
2. Free maintenance of roof tiling fixed by Marley craftsmen for ten years.



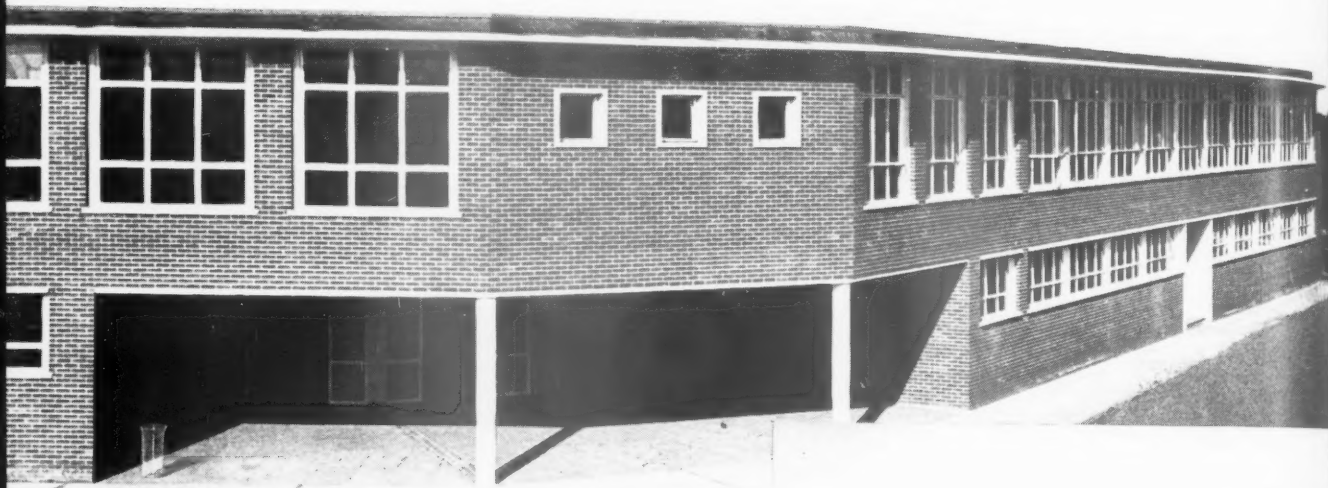
L.C.C. Estate, Sheerwater, Woking.

Director of Housing and Valuer: Mr. Cyril H. Walker, C.B.E., M.C., F.R.I.B.A., F.R.I.C.S., M.I.Mun.E.

Southampton Rebuilding

Reinforced Concrete Design and Construction

THE
**TRUSSED
CONCRETE**
STEEL CO. LTD.



BEECH AVENUE SCHOOL

Architect: L. Berger, DIP. Arch., A.R.I.B.A.
Borough Architect.



One of several structures erected by the Trussed Concrete Steel Co. Ltd., at Southampton; others described in this issue of the Architects Journal include Halifax House for the Halifax Building Society, Offices and Factory Canteen for Vickers Armstrong Ltd., and Administration Building for Stewart & Lloyds.

Write to our Publicity Dept. for a copy of our latest booklet.

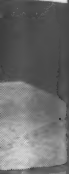
THE TRUSSED CONCRETE STEEL CO., LTD.

REINFORCED CONCRETE ENGINEERS & CONTRACTORS

TRUSCON HOUSE, LOWER MARSH, LONDON, S.E.1.

Telephone: WATERloo 6922

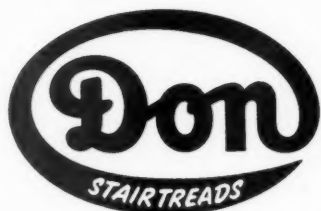
ED
ETI
LTD.



ers
ing
for

10 COLOURS!

ONLY WITH



COLOURFILLED
ALUMINIUM
STAIRTREADS

do you get...

SO WIDE A RANGE OF COLOURS

The range of ten colours—BROWN · SILVER · GREEN · GOLD · BLUE · MAROON · BLACK · WHITE · PINK & RED—offers to architects, flooring specialists and interior decorators a choice of colours which will harmonise with a wide variety of colour schemes.

SO WIDE A CHOICE OF NOSINGS

From a range of some nineteen different nosings—all sections can be shaped to your special requirements. Curved sections can be supplied with the nosing inside, or outside, of the required radius.

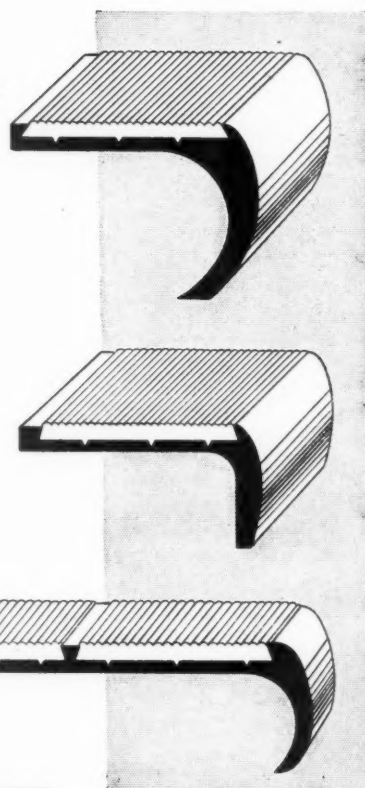
The bends and curves to which "Don" stairtreads can be supplied are limitless. Wood, concrete or iron stairs, new or old can be fitted with "Don" stairtreads—colour or fabric filled.

SUCH A LONG LIFE

There is no upkeep expense with "Don" stairtreads. Easy to clean they give many years of colourful service under the heaviest traffic. All "Don" stairtreads remain "colour-constant" throughout their life.

SUCH COMPLETE SAFETY

Throughout their life "Don" stairtreads provide a safe and confident foothold. Being waterproof and non-skid they give a safe tread under all conditions.



Can be inspected and discussed at:—

BELFAST 25103
BIRMINGHAM 5. . . Midland 4659
BLACKBURN 6581
BRISTOL 27214
CARDIFF 27026
CARLISLE 589
CHESTER 21280
COVENTRY .. . Coventry 64914

(Towns & Telephone Nos. of Depots)

EDINBURGH 1 .. Central 4234
EXETER 3813
GLASGOW C.2. .. Central 4595
HULL Central 52072
LEEDS 3 20664/5
LEYTON .. . Leytonstone 6068
LIVERPOOL 1 Royal 1251 and 5202
MANCHESTER 3 Blackfriars 0596

NEWCASTLE-ON-TYNE 2 27142 and 27942
NOTTINGHAM 43646
SHEFFIELD 1 25529
SOUTHAMPTON 71276
STOKE-ON-TRENT .. 44021
WIMBLEDON 4248/9
Republic of Ireland:
DUBLIN 35 Westland Row, 66597

Write for
Brochure to:

SMALL & PARKES LTD · MANCHESTER 9

LONDON: 76 VICTORIA STREET S.W.1

Hollis Flooring



ST. BRIDGETS HOUSE
BRIDEWELL PLACE, E.C.4

THE ARCHITECTS
Trehearne & Norman, Preston & Partners
THE BUILDERS
Trollope & Colls Limited
THE SPECIFICATION
5500yds. Beech Wood Block Flooring



WOOD BLOCK, HARDWOOD STRIP AND
PARQUET FLOORING

Approved contractors for SEMASTIC
decorative tiles (Product of a Dunlop Company)

Buildings of Distinction

Modern architecture reveals a character all its own. Clean, graceful and well proportioned lines, light and airy interiors and harmonious decor are cardinal points in modern planning. Ideas of form, of line and of interior finish change with the years, but nothing can ever take the place of WOOD as the ideal and most versatile flooring material.

And wherever wood floors are specified HOLLIS BROS. LTD. are there to provide their traditional service in the installation of—

Floors of Distinction

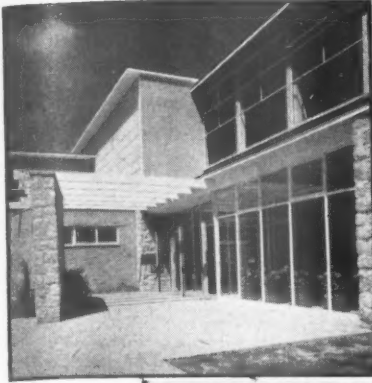
HOLLIS BROS. LTD

HULL, CRAVEN HALL
LEICESTER, ULVERSCROFT RD.

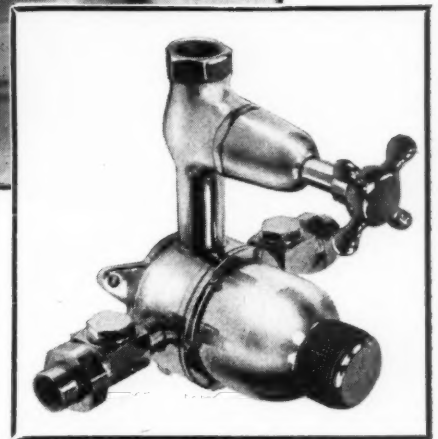
LONDON, 150 HOLBORN E.C.1
BIRMINGHAM, CAMBRIDGE ST.

"To prevent scalding, particularly in the case of younger children, controlled mixing facilities should be provided for basins and showers."

*Ministry of Education Memorandum on
the Building Regulations—1945*



SPECIFY LEONARD
THERMOSTATIC MIXING VALVES
FOR SHOWERS AND WASH BASINS
IN SCHOOLS AND HOSPITALS



LEONARD Thermostatic mixing valves automatically mix Hot and Cold water to give Warm water at the right temperature for showers and wash basins. By preventing too high a temperature being used, they not only protect the user from scalding, but also give marked economies in fuel and water.

Send for Pamphlet No. RD/2.

WALKER, CROSWELLER & Co. Ltd., CHELTENHAM, GLOUCESTERSHIRE

Tel.: Cheltenham 5172 (3 lines)

London Office: HOLborn 2986.

Manchester Office: Blackfriars 0058

SEALON

GRADE L180

METAL CASEMENT

PUTTY

Coloured Pink for easy and constant recognition, Sealon Grade L. 180 Metal Casement Putty is extremely fast and clean working. It is ready for painting 24 hours after application.

Obtainable from all Glass, Plumbers and Builders Merchants.

Full details sent on request.



Part of one of Messrs. British Timken Ltd. factories.

Architect—Cecil E. M. Fillmore, F.R.I.B.A.,
A.I.Struct.E.

General Contractors
Henry Martin Ltd.,
Northampton

Glass & Glazing
A. R. & W. Cleaver
Ltd., Northampton

One of two identical blocks of flats at Kings Heath Housing Estate, Northampton.

Architect—
J. L. Womersley,
A.R.I.B.A., A.M.T.P.I.
Borough Architect
and Town Planning
Officer, County
Borough of
Northampton

Architect-in-Charge—
P. C. R. Bryan, Borough Architects Dept.
General Contractors—
A. Glenn and Sons Ltd., Northampton
Glass & Glazing—
A. R. & W. Cleaver Ltd., Northampton

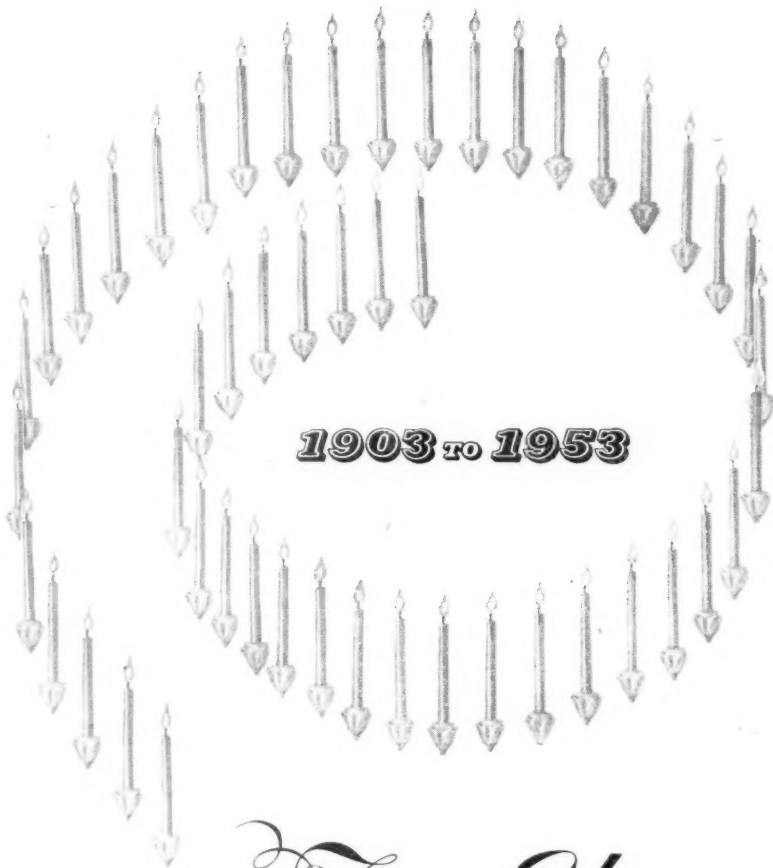


SEALANCO (ST. HELENS) LTD.

ST. HELENS, LANCASHIRE
TELEPHONE : ST. HELENS 2432 and 7782

SOUTHERN & MIDLAND AGENTS : HARRISON, CLARK LTD.
94 The Broadway, Leigh-on-Sea. 62 Bushland Rd., Northampton
49 Leadenhall Street, London, E.C.3

Largest exclusive manufacturers of Putty in Great Britain



*Fifty Years of Service
to Industry*

**STRUCTURAL ENGINEERS
REINFORCEMENT ENGINEERS
STEEL STOCKHOLDERS
FLAME-CUT PROFILE PLATES**



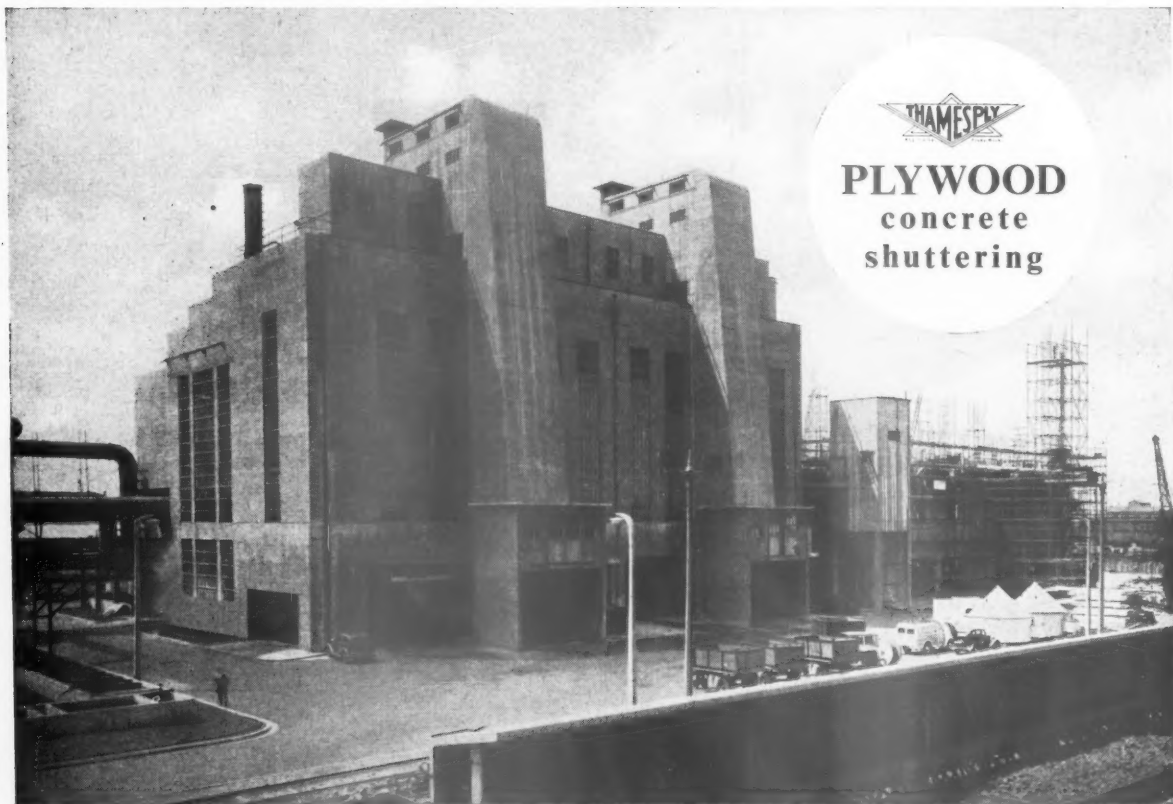
T.C.JONES & COMPANY LTD

WOOD LANE, LONDON, W.12 Telephone: Shepherds Bush 2020

BUTE STREET, CARDIFF Telephone: Cardiff 28786

TREORCHY, GLAMORGAN Telephone: Pentre 2381

533/JG23



For the Water-Gas Plant at Beckton Gasworks

The choice for concrete shuttering was once again Thamesply exterior grade AX.100 test Phenol Bonded Plywood. In the erection of concrete shuttering, and in the exterior uses Thamesply offers many advantages which make for speed and economy. It will not delaminate; it has a low deflection and a particularly fine finish.



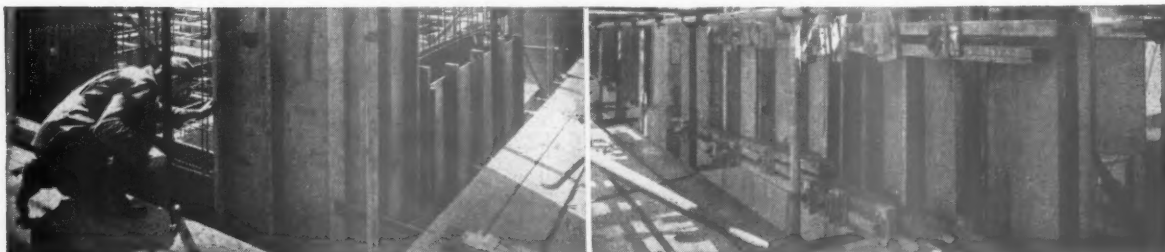
CONCRETE SHUTTERING

(Phenol Bonded AX.100 Test)

Supplied only through the usual trade channels

THAMES PLYWOOD MANUFACTURERS LTD.

Harts Lane, Barking, Essex. Telephone: Rippleway 5511



(Reproduction by courtesy of North Thames Gas Board and Peter Lind & Co., Ltd., Contractors)

EDGAR
"LEADS THE WAY"
in
**Secondary
Lighting**

A QUALITY PRODUCTION



EMERGENCY AND SECONDARY LIGHTING

for indoors and out of doors,
standard and to specification.

Details and prices will be sent on request.

WILLIAM EDGAR & SON LTD

BLENHEIM WORKS, HAMMERSMITH, LONDON, W.6

Telephone: RIVerside 3486



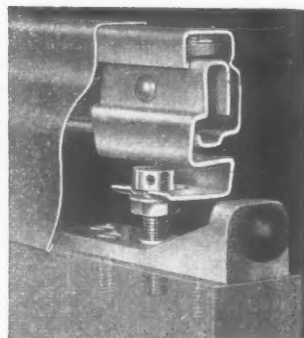
SEE OUR EXHIBIT AT THE BUILDING CENTRE, 9 CONDUIT STREET, W.1

ELLARD

SLIDING DOOR GEAR ESTATE FOR INTERNAL DOORS



ELLARD "Estate" Sliding Door Gear has again been specified for a large housing estate. The photograph on the left shows an interior of a typical two-bedroom type house on the People's Houses Estate, Canterbury, Kent. ELLARD "Estate" Sliding Door Gear combines smooth effortless action with pleasing appearance, and offers maximum economy in use of space.



An exclusive "snap-on" pelmet conceals all fittings and will harmonize with picture rail or panelled effect. ELLARD gear is approved by the L.C.C. and is stocked by hardware firms throughout the British Isles and in many countries overseas.

RADIAL FOR THE DOMESTIC GARAGE

For easy access and efficient action, garage doors should be fitted with ELLARD "Radial" Sliding Door Gear. The illustration on right shows a typical domestic garage with sliding doors running on ELLARD "Radial" Door Gear. Excellence of design, incorporating grease packed ball bearings with no maintenance worries, make this door gear an inevitable choice wherever garage sliding doors are indicated. Doors are allowed to pass around one or both of the side walls. ELLARD "Radial" Sliding Door Gear is also eminently suitable for use in most light industrial buildings.



ELLARD Sliding Door Gear has been specified for flats and housing schemes by: London County Council; Canterbury and Peterborough Corporations; Eton, Mexborough, Rushden, Sawbridgeworth and Wellingborough U.D.C.s; Easington and Sedgfield R.D.C.s; and for British Railways Housing Estate, Southall; Coronation Bungalows, South Shields; Kyles Settlement Estate, Watford; Newton Aycliffe and Stevenage New Towns.

WRITE FOR FULL DETAILS:

CLARKE ELLARD ENGINEERING CO. LTD.

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

Works Road,
Letchworth,
Herts. Tel. 613/4



*Photograph by
courtesy of the
British Museum.*

Founders, it seems, of an entire tradition in English horse brasses—these superb bronze harness trappings were made in England nineteen centuries ago. The brightness of their sunken enamel ornament is today nothing short of miraculous.

VYDOK Matt and Eggshell EMULSION PAINTS are ideally suited to the decoration of patterned surfaces. Needing no primer, Vydok is washable, durable and will sustain its brightness for many years.



DOCKER BROTHERS

Makers of Paints, Lacquers and Varnishes for every purpose

LADYWOOD · BIRMINGHAM 16

THERMALITE

Lightweight Structural Building Material

Thermalite has been developed specifically to meet the need for a rational walling material. It combines the functions of load-bearing and thermal insulation and enables the architect to design structural external walls, with high thermal resistance, at a cost comparable with brickwork or concrete. Thermalite consists essentially of a large number of uniformly sized non-intercommunicating air cells, the walls of which are formed of a particularly strong and durable siliceous material. During manufacture the material is cured in high pressure steam which makes it chemically and physically stable. Because of its unique properties it is possible, using Thermalite as a structural material, to achieve a degree of Thermal Insulation hitherto only obtainable by the use of specialised insulation materials in conjunction with the normal structural concrete or brickwork.

**THERMALITE FOR
LIGHT WEIGHT • FOR STRENGTH
FOR INSULATION • FOR ECONOMY**

For further details and technical data apply to

THERMALITE LIMITED

**SHEPHERDS HOUSE LANE, EARLEY, READING,
BERKS. Telephone: Reading 62694**

The Thermalite process which has been developed in the laboratories of John Laing and Son Limited is protected by British Patents Nos. 648280 and 648229 and is also patented throughout the world

WHAT THERMALITE IS

- 1 A light weight load bearing insulating building material.
- 2 The size of blocks are nominal, 18"×9×3", 18"×9×4" and 18"×9×6".
- 3 The weights of blocks are, 3" blocks—14 lbs. 4" blocks—19 lbs. and 6" blocks—28 lbs.
- 4 It has a compressive strength of 750/800 lbs. per sq. inch and a modulus of rupture of 160 lbs. per sq. inch as delivered.
- 5 It has a high Thermal restivity. Two 3" leaves of Thermalite with 2" cavity have a "U" Value of 0.15—equal to more than 40" of brickwork.
- 6 It is a stable weather-resistant material.
- 7 It is easy to cut, chase, saw and work. Nails and screws can be driven direct.
- 8 It is incombustible.
- 9 It is vermin proof.

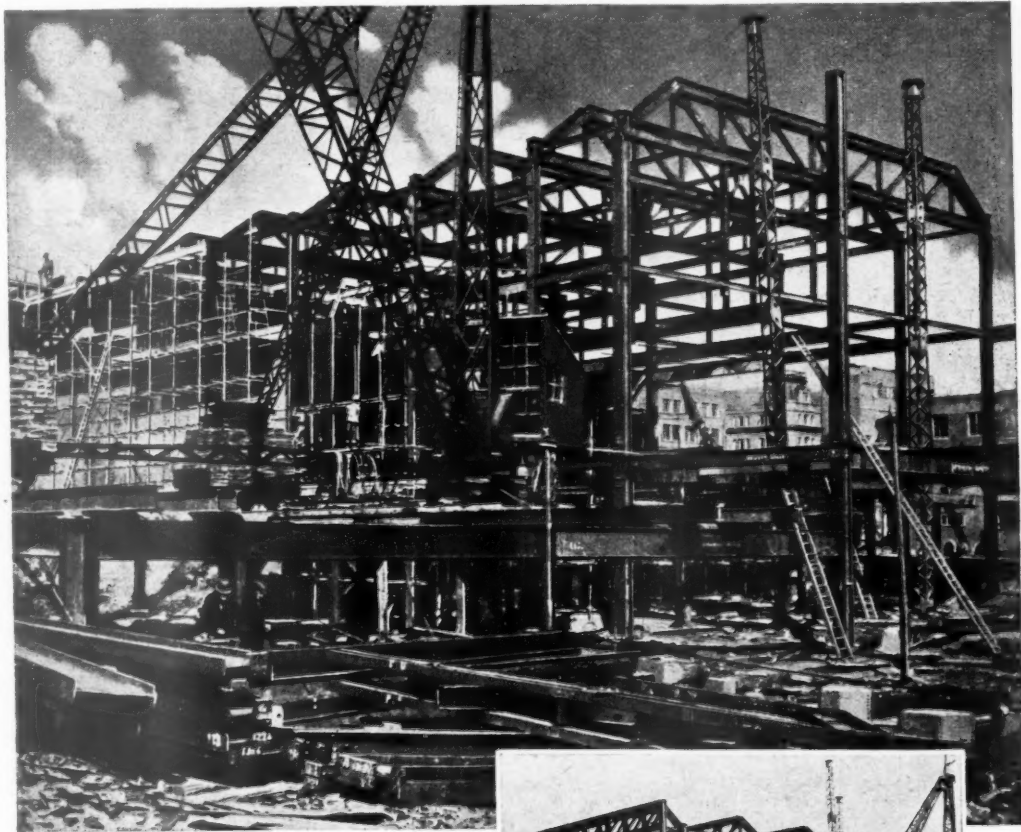
WHAT THERMALITE DOES

- 1 It saves fuel cost in heating of buildings.
- 2 It gives greater comfort in dwellings.
- 3 It reduces site labour costs.
- 4 It carries floor and roof loadings because of its strength.
- 5 It enables easy and direct fixing of joinery and fittings etc.
- 6 It saves structural steel and/or mild steel reinforcement.
- 7 It saves in foundation design.
- 8 It reduces the risk of condensation.

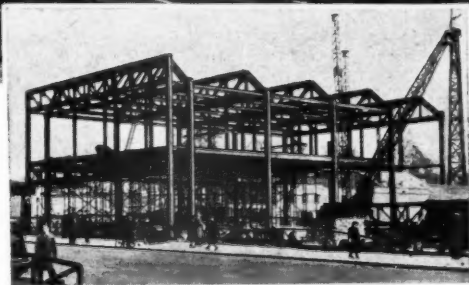
STEELWORK

Consulting Engineers : Messrs. W. S. Atkins & Partners

Contractors : H. Stevens & Co. Ltd., Southampton



Architect : George Coles Esq. F.R.I.B.A.
in collaboration with
A. Walker Esq. L.R.I.B.A.,
Staff Architect, British Home Stores Ltd.



BRITISH HOME STORES, SOUTHAMPTON

DAWNAYS LIMITED

BRIDGE AND STRUCTURAL ENGINEERS

HEAD OFFICE : STEELWORKS RD., LONDON, S.W.11 : Telephone BATTERSEA 2515.

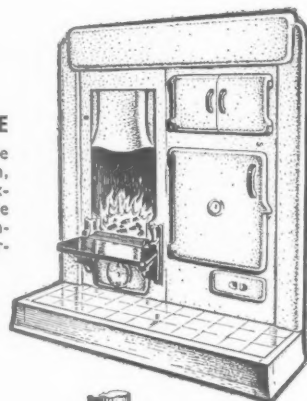
King's Dock Works SWANSEA 3185	East Moors Works CARDIFF 23336	54 Victoria St., London, S.W.1 VICTORIA 1541	Bridge Rd. Works WELWYN GDN. 242	Thorpe Works NORWICH
2 Rockstone Place SOUTHAMPTON 2474	40 Park Road PETERBOROUGH 4547	Great Field Lane, MARFLEET HULL 32063	23 High Street ROMFORD 2106	7 The Close NORWICH 23141

Cables and Telegrams : "DAWNAYS, LONDON"—Code Bentley's 2nd.

THE ECONOMICAL FOUR

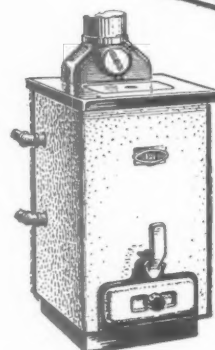
DERWENT COMBINATION GRATE

Efficient and economical fire provides heat for a large oven, fast-boiling hotplate with extension hob; hot closet. Ample domestic hot water and controlled room warmth. Overnight burning.



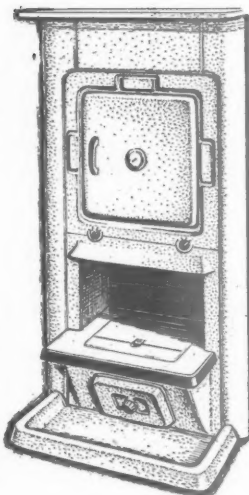
BOILERS B33 and B22

Waterway encircles fire and gives high output per square foot of heating surface. Bright, clean finish, minimum cleaning. B33 has steel water jacket, B.22 cast-iron.



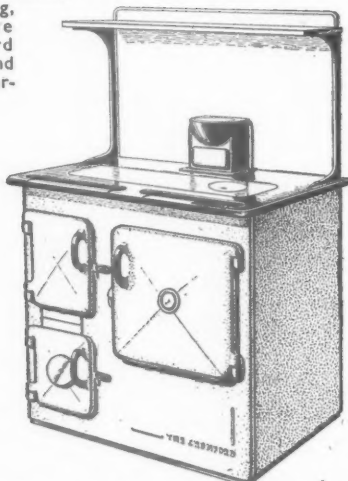
MILFORD oven-over- fire COMBINATION GRATE

At last, the perfect oven-over-fire grate. For space heating, water heating, cooking. Has withstood every test. Boiling space for five saucepans. Flue cleaning without removing ovens.



CROMFORD COOKER

The perfect all-purpose stove — Cooking, Water heating, Space heating. The economical Cromford burns any solid fuel and can be regulated for overnight slow burning.



EACH MODEL APPROVED
MINISTRY OF FUEL AND POWER

GLOW-WORM

GLOW-WORM BOILERS LTD • DERWENT FOUNDRY

London Showrooms: 22-24 Buckingham Palace Road



For
QUALITY
specify

electrical



conduit

A. S. C. M. MEMBERS ARE AS FOLLOWS : —

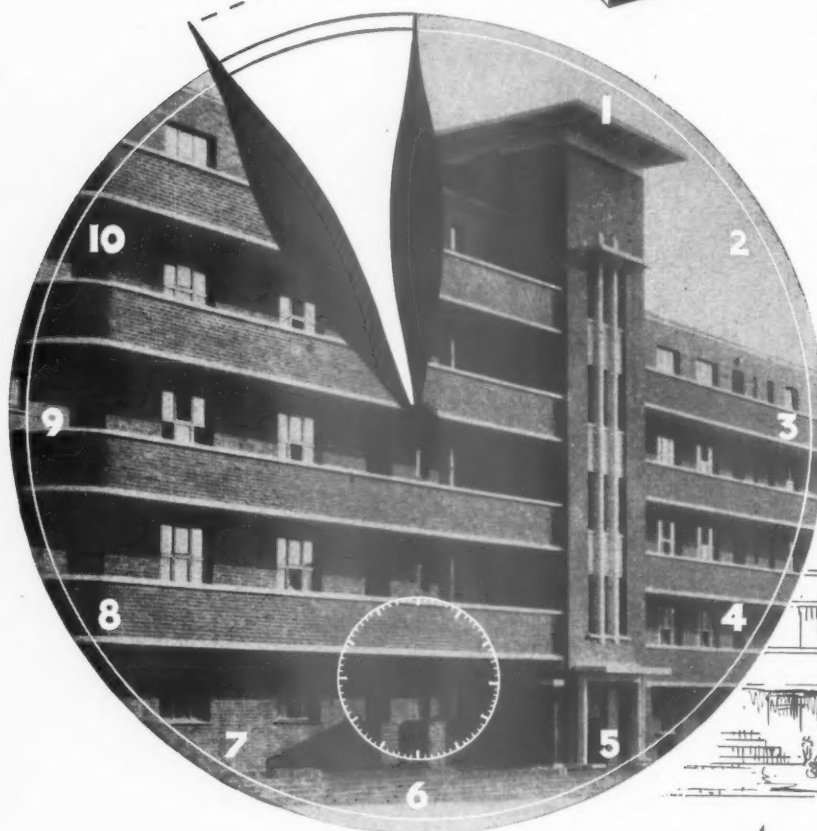
ALMA & CRANMORE TUBE CO. LTD.
BARLOW, H. J. & CO. LTD.
ELECTRICAL CONDUITS LTD.
GENERAL ELECTRIC CO. LTD.
GRIFFITHS, ISAAC & SONS
HILDICK & HILDICK
McDOUGALL, JAMES LTD.
METALLIC SEAMLESS TUBE CO. LTD.
MONMORE CONDUITS LTD.

SIMPLEX ELECTRIC CO. LTD.
Comprising :
Credenda Conduits Co. Ltd.
Perfecta Tube Co. Ltd.
Simplex Conduits Ltd.
Stella Conduit Co. Ltd.
STEEL TUBE & CONDUIT CO. (Middlesbrough) LTD.
TALBOT-STEAD TUBE CO. LTD.
WALSALL CONDUITS LTD.

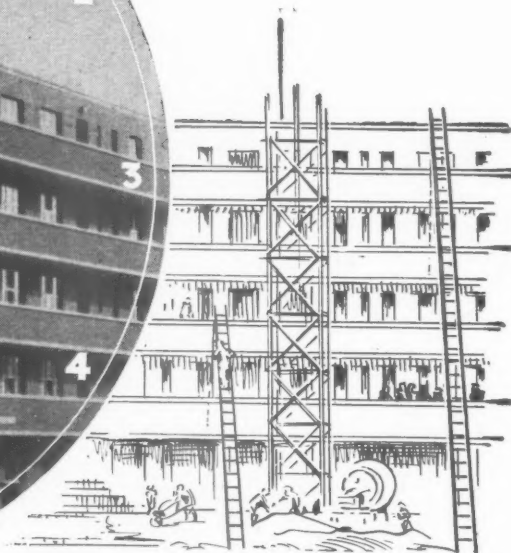
Advertisement of the ASSOCIATION OF STEEL CONDUIT MANUFACTURERS 21, Water'loo Street, Birmingham, 2

MAGNET beats the clock

Priced right and speedily installed, Magnet windows, doors, cupboards and standardised joinery bring down construction costs and save a tremendous lot of valuable time on any building schedule.



Thanks to 3 strategically-placed modern factories, well staffed and plentifully stocked with kilned and air-conditioned timber, Magnet nation-wide service will immediately answer your most urgent needs anywhere throughout the entire country.



* Write for *FREE* literature to:

WHITLEY STREET, BINGLEY, YORKS. Phone: Bingley 3547 (5 lines)

LOVE LANE, ASTON, BIRMINGHAM. Phone: Aston Cross 3291

LONDON ROAD, GRAYS, ESSEX. Phone: Tilbury 77 (5 lines)



A TRADE MARK AS  GOOD AS A BOND



School "Big Hall"

FAROMAT *completes the picture*



FAROMAT is the supreme choice for the wall decoration of Schools. Its smooth, washable matt surface is hygienic and hard-wearing, and the range of delightfully clear colour tones provides a perfect background for successful school work. Incidentally, all colours are intermixable.

FAROMAT is the interior decorator's ideal finish. There is nothing fugitive about FAROMAT charm. All the listed shades are fast to light, and washable. It dries with an exquisite velvety surface. FAROMAT has immense hiding and covering capacity. It is easy in application, remaining "open" sufficiently long enough to enable the painter to brush a large area without help.

FAROMAT has an "After-Flow" unprecedented with this type of paint.

FAROMAT is particularly suitable for use in such places as MUNICIPAL BUILDINGS, HOSPITALS, SCHOOLS, CHURCHES, HOTELS and CLUBS, as well as PRIVATE HOUSES.

FAROMAT

A really superb

FLAT WALL PAINT

For leaflet and tint card, please write to Dept. A.J.3.

T. & W. FARMILOE LIMITED, ROCHESTER ROW, WESTMINSTER, LONDON, S.W.1 Phone: VICtoria 4480

★ ADASTRA ★

GALVANISED SECTIONAL STEEL
LIGHTING STANDARDS

**FOR ALL EXTERIOR
LIGHTING INSTALLATIONS**



"ADASTRA" HEXAGONAL LIGHTING
COLUMN FOR
25FT MOUNTING HEIGHT.



CATALOGUES FOR COMPLETE RANGE OF "ADASTRA" PRODUCTS ON APPLICATION

ONE OF CONSTRUCTORS GROUP

POLES LTD
TELEPHONE · ERDINGTON 1616

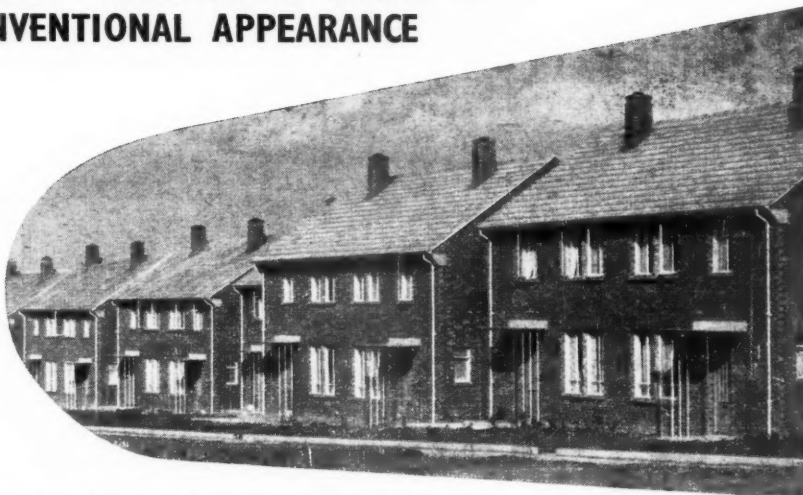
**TYBURN ROAD
ERDINGTON**

BIRMINGHAM 24
TELEGRAMS · POLES · BIRMINGHAM



Illustration shows wall panel being hoisted in position.

A NEW TRADITIONAL HOUSE OF CONVENTIONAL APPEARANCE



THIS NEW TECHNIQUE MEANS FASTER ERECTION

A practised eye is needed to tell that Hawksley S.G.S. houses are not conventionally built. Yet they are manufactured almost completely in the factory. The secret lies in the traditional single brick external cladding (which permits the selection of bricks to suit local conditions), the tiled roof and the special techniques used in the casting of interior plaster panels. Hawksley S.G.S. houses combine the best features of both traditional and new traditional methods. They save over 50 per cent. of

site man-hours and compare very favourably in cost with other types of construction. Planned for 2-, 3- or 4-bedrooms (an arrangement can include any) they can be built in pairs or terraced and stepped if required. The inner shell consists of pre-fabricated cast plaster panels with formwork for the concrete structure attached. The external single brick cladding "tied" to the structure is separated by a 6-inch cavity from the interior panels. If you are not already in possession of full information kindly let us know.



Over 25,000 Hawksley factory made single storey buildings have been delivered in the U.K. and to countries all over the world. Of light alloy construction they may be erected by unskilled labour and without special equipment. Lengths up to 152ft. without internal support, roof spans 24ft., 32ft. and 40ft. Ceiling heights 8ft., 9ft., 11ft. and 12ft. 6in.

HAWKSLEY
Single Storey
FACTORY MADE BUILDINGS

For further information
regarding Hawksley
factory made buildings
write for illustrated
leaflets.

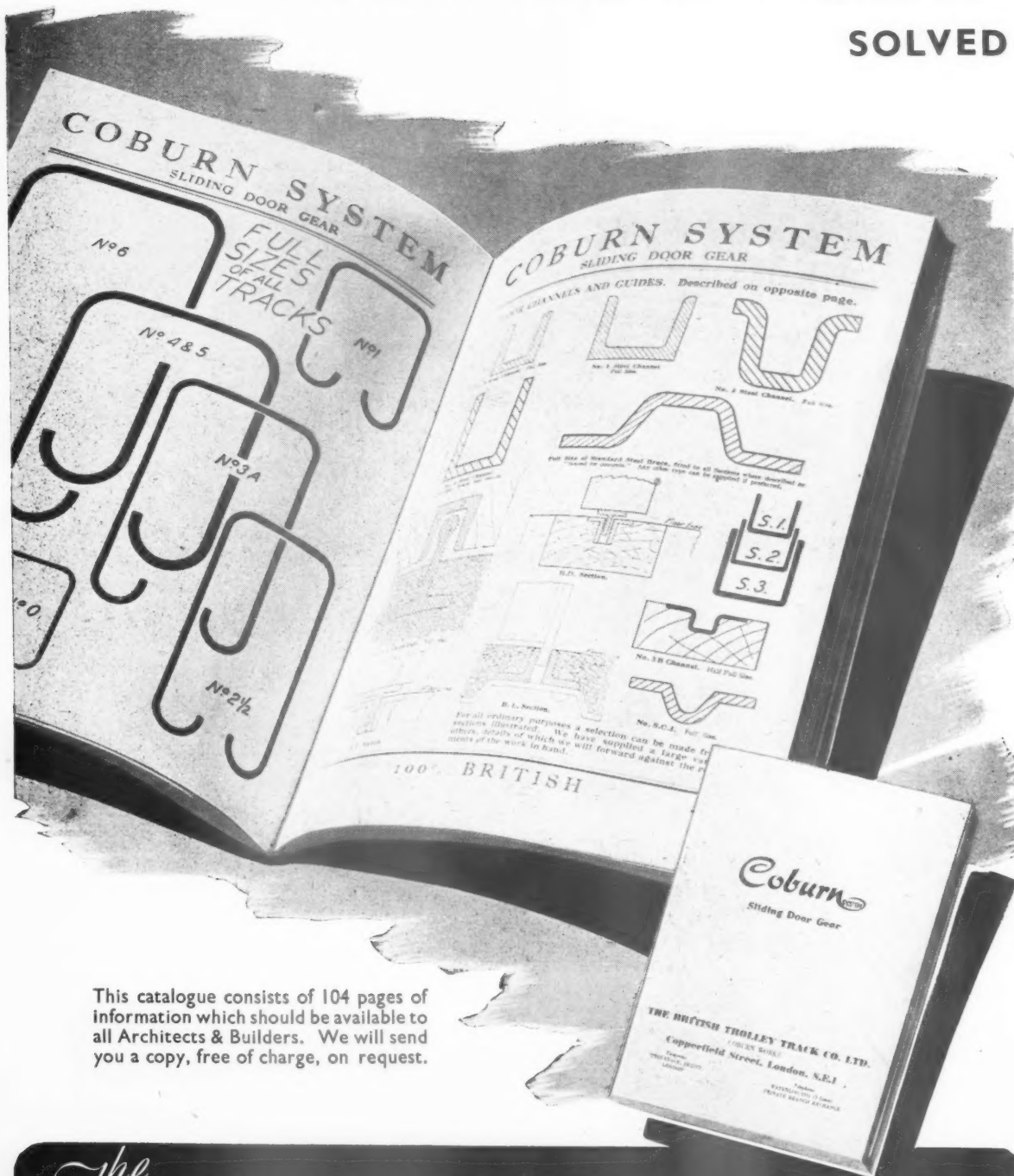
HAWKSLEY
NEW TRADITIONAL
SGS HOUSES

HAWKSLEY CONSTRUCTIONS (MEMBER OF THE HAWKER SIDDELEY GROUP LTD.) HUCCLECOTE, GLOUCESTER. Phone: Gloucester 21531.

Write for YOUR copy. . .

SLIDING DOOR GEAR PROBLEMS

SOLVED

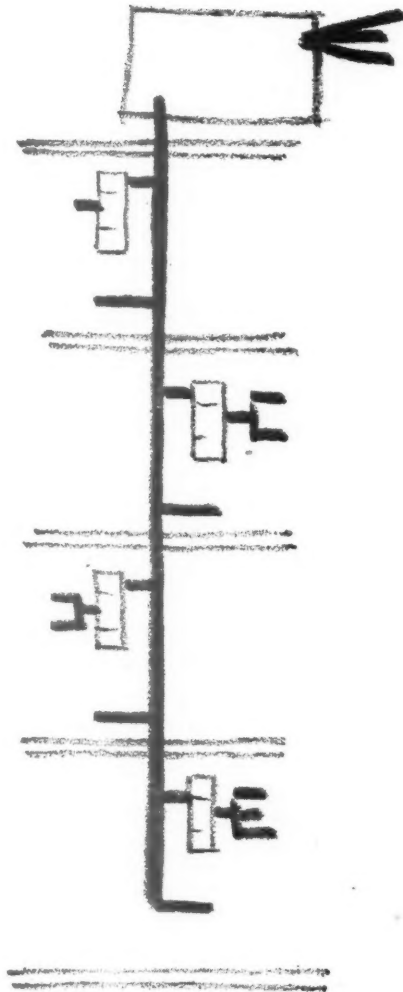


This catalogue consists of 104 pages of information which should be available to all Architects & Builders. We will send you a copy, free of charge, on request.

The **BRITISH TROLLEY TRACK CO. LTD.**

COBURN WORKS COPPERFIELD STREET LONDON • S.E.1

Telephone: WATerloo 4311 (3 lines) Private Branch Exchange



This is the
Simplest
multiple
hot water system

No expansion pipes from each flat to the main tank on the roof.

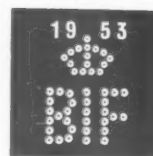
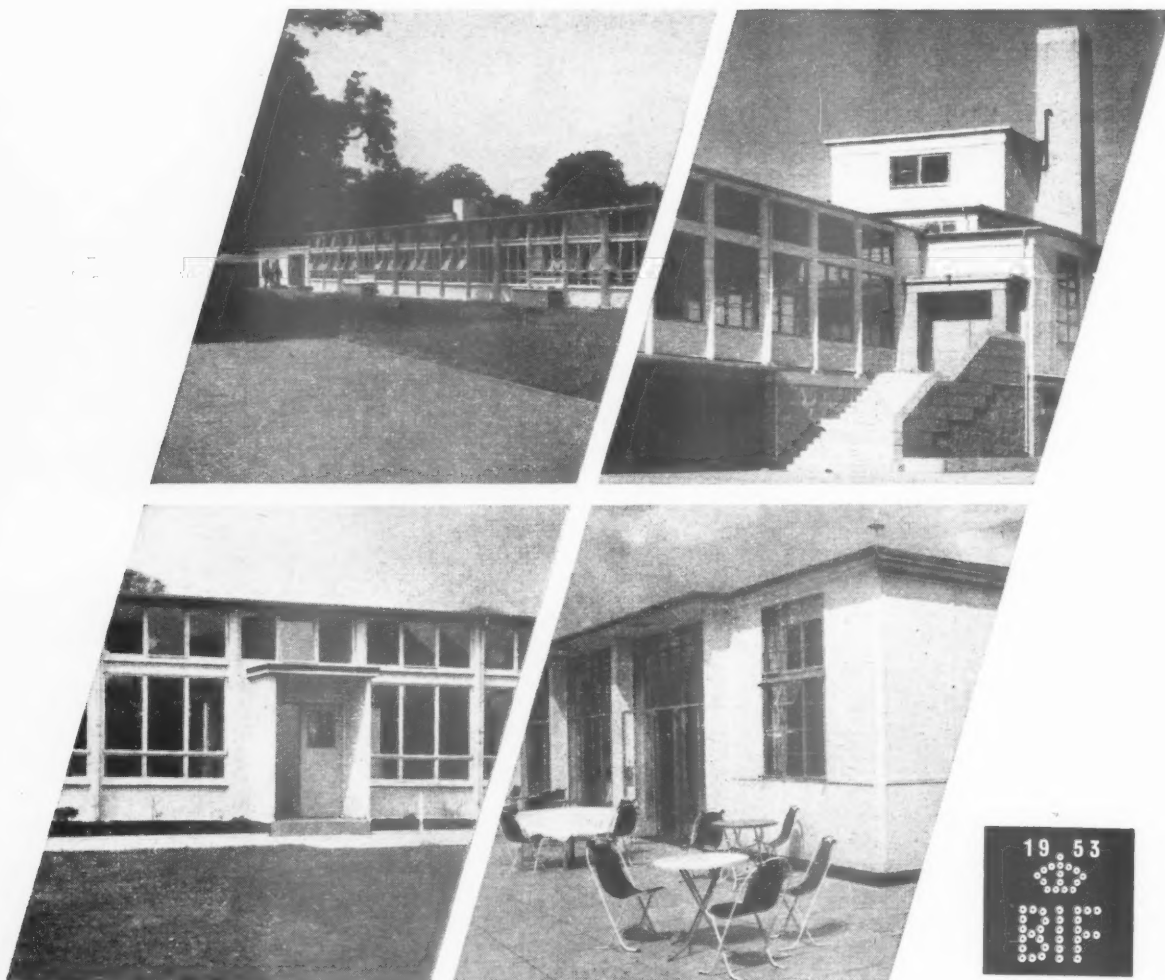
One common down-service pipe provides cold water wherever it is needed and serves all the water-heaters too.

There is a Sadia electric water-heater incorporating a self-contained ball-valve storage tank which receives the cold supply. It is an appliance specially designed for blocks of flats and multiple installations generally. Sadia simplifies your building plans; it is easy and convenient to install, and it saves material and labour.



Write to: AIDAS ELECTRIC LTD.
Sadia Works, Rosdell Road, Northolt, Middlesex.
Telephone: Wuxlow 1607. Telegrams: Aidaselect,
Greenford. SCOTTISH AGENTS: W. Brown & Co.
(Engineers) Ltd., 89, Douglas Street, Glasgow, C.2.
MANUFACTURED IN S. AFRICA by: Sadia Water Heaters
(Pty) Ltd., 3-5, Newton Street, Village Main,
Johannesburg.

Full details of all models will be gladly sent on request.



27 APRIL - 8 MAY
EARLS COURT & OLYMPIA
LONDON

SEE OUR EXHIBIT

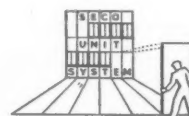
SECO CONSTRUCTION

FOR IMMEDIATE BUILDING PROGRAMMES

The SECO system of prefabricated construction is designed to combine the advantages of factory produced units with flexibility of planning. The erection of SECO Buildings is simple and quick and costs are competitive. Component parts to meet the needs of widely differing development schemes are available from stock. Full particulars on request.

UNI-SECO LIMITED

SPECIALISTS IN THE DESIGN, MANUFACTURE AND ERECTION OF
BUILDINGS ON THE PRINCIPLE OF UNIT CONSTRUCTION
11 UPPER BROOK STREET, LONDON, W.1 Telephone: MAYfair 9080

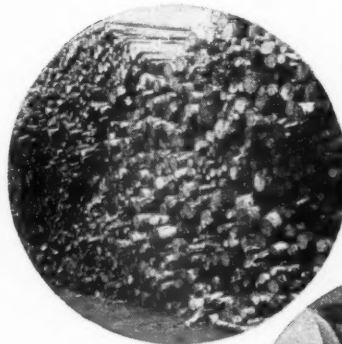


SUNDEALA Still make Best Boards in 1953

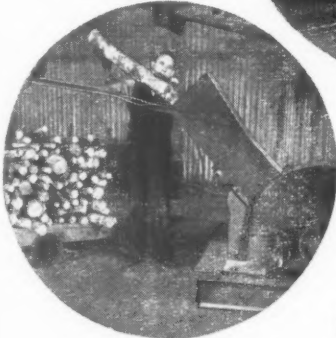
Logs arrive at the Sundeala Factory



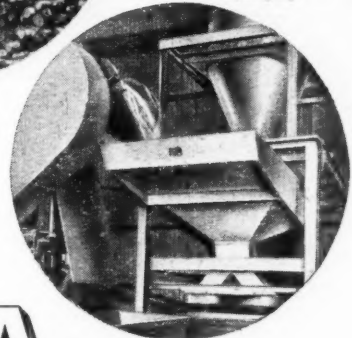
Log pile



Converting logs into chips



Grading chips prior to conversion into wood pulp



Estd.



1898

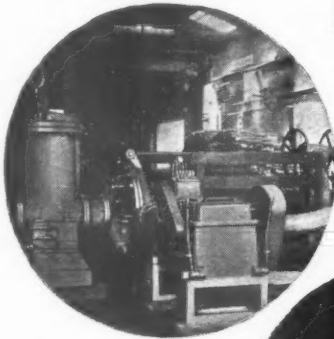
SUNDEALA

HARDBOARD

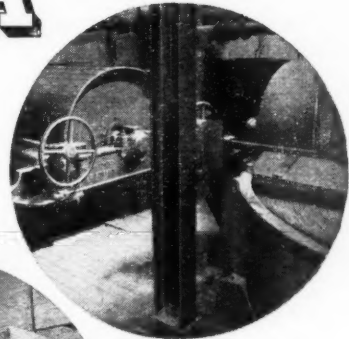
MEDIUM HARDBOARD

INSULATION BOARD

Converting wood chips to wood pulp



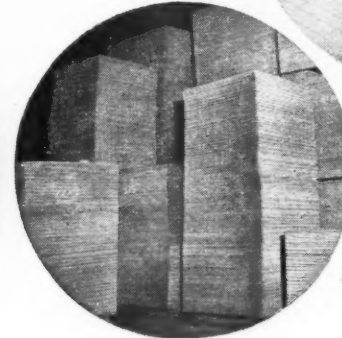
Beating the wood pulp



Sundeala boards can be bent to shape



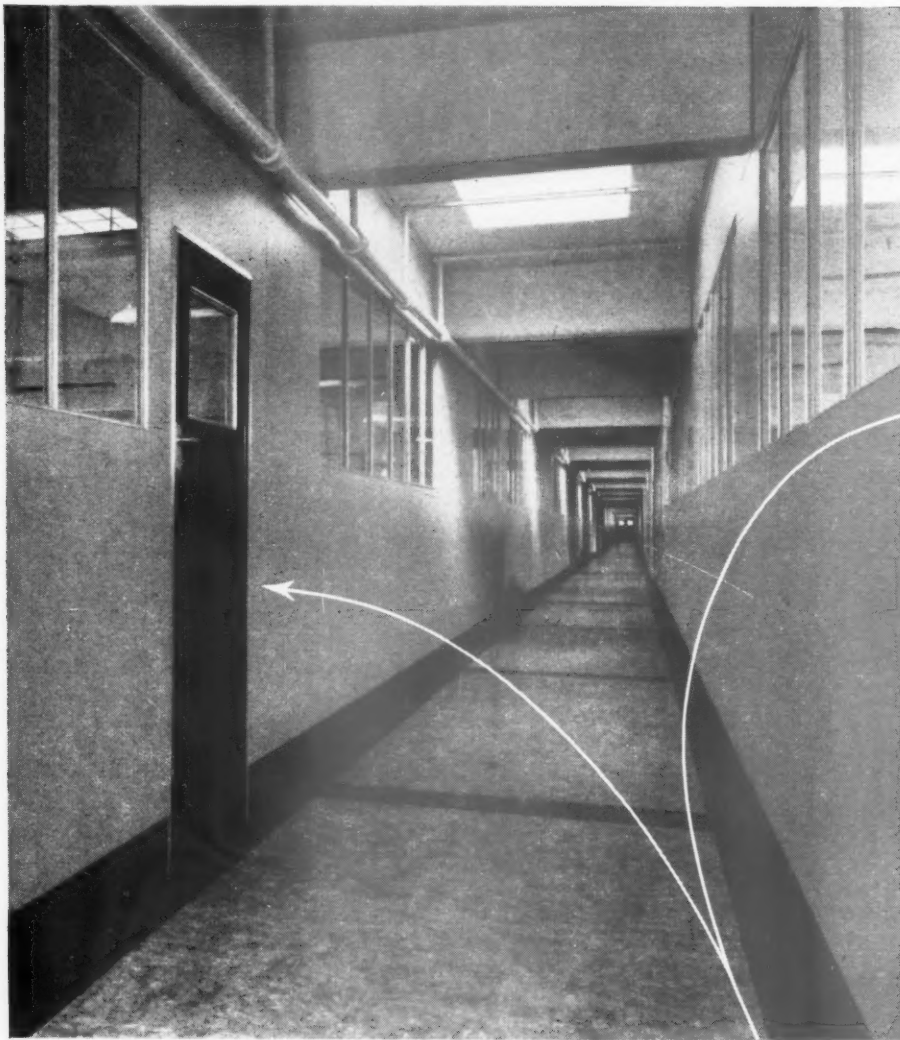
Boards ready for despatch



FROM a British factory and made entirely by British labour comes **SUNDEALA**, still today, and for over 50 years, the **WORLD'S BEST BUILDING BOARDS**. Made in various substances, thicknesses and finishes for **EXTERIOR** and **INTERIOR** purposes, these tough, easy-to-work boards are specified by countless architects and used by good builders throughout the country. The **SUNDEALA** range covers every possible specification.

SUNDEALA BOARD COMPANY LIMITED

HEAD OFFICE: ALDWYCH HOUSE, LONDON, W.C.2 Tel: CHAncery 8159 WORKS: SUNBURY-ON-THAMES, MIDDLESEX
GLASGOW: BALTIC CHAMBERS, 50 WELLINGTON STREET, C.2 NEWCASTLE: NORTHUMBRIA HOUSE, PORTLAND TERRACE, 2



B.E.A.

London Airport

Consulting Engineers to B.E.A.:
Scott & Wilson, M.M.I.C.E.
Consulting Architects to B.E.A.:
Ramsey, Murray & White,
F.F.R.I.B.A.

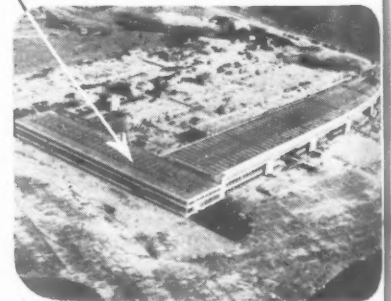
Main Contractors:
Holland & Hannen and Cubitts Ltd

HOLLOPLAST

MOVABLE WALLS

This large installation — one corridor is 700 feet long—was carried out by only four men, but ten times more quickly than in traditional materials.

IT PAYS TO INSTALL THE BEST THERE IS

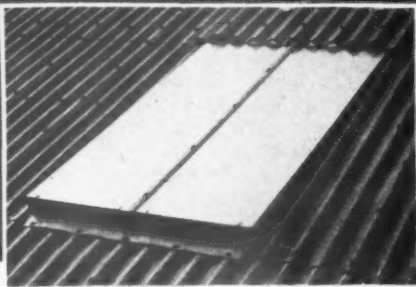


Manufactured by:

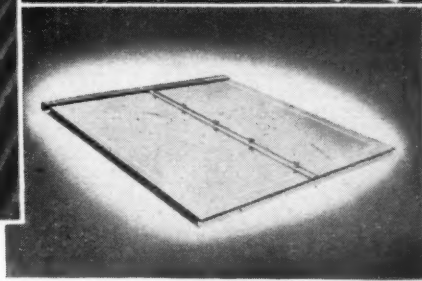
HOLLOPLAST LIMITED. Sales Office: 116 Victoria Street, London, S.W.1 Telephone: VICTORIA 9354/7 & 9981
Head Office & Works: New Hythe, Near Maidstone, Kent.

ROBERTSON

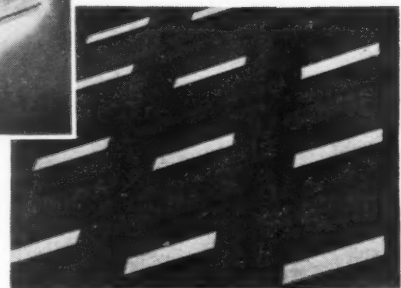
DISTRIBUTED DAYLIGHTING



ROBERTSON SPREDLITE (R)
the new form of industrial day-
lighting — easily cleaned both sides
from the roof.



ROBERTSON SPREDLITE (D) de-
signed for use with ROBERTSON
ROOF DECK. Incorporates double
glazing to provide high insulating
value.



ROBERTSON SHEETLIGHTS for
distributed or occasional daylighting.
Suitable for roofs and side walls.

ADVANTAGES OF ROBERTSON DAYLIGHTING

Planned layouts • More uniform light distribution •
Less glass • Smaller cleaning costs • No additional steel-
work • No lead flashings. •

Other ROBERTSON products include :—

ROBERTSON PROTECTED METAL SHEETING (R.P.M.) • ROBERTSON
VENTILATORS • ROBERTSON AIR INLETS • ROBERTSON ROOF DECK •
ROBERTSON LINED ROOFS

Literature sent on request.

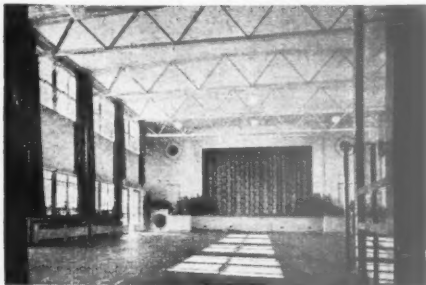
ROBERTSON THAIN LTD.

ELLESMERE PORT • WIRRAL • CHESHIRE

Sales Offices:

LONDON • GLASGOW • BELFAST • BIRMINGHAM • NEWCASTLE • LIVERPOOL • SHEFFIELD • MANCHESTER • CARDIFF • EXMOUTH
AGENTS IN MOST COUNTRIES THROUGHOUT THE WORLD.

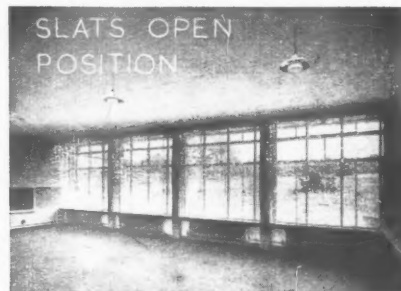




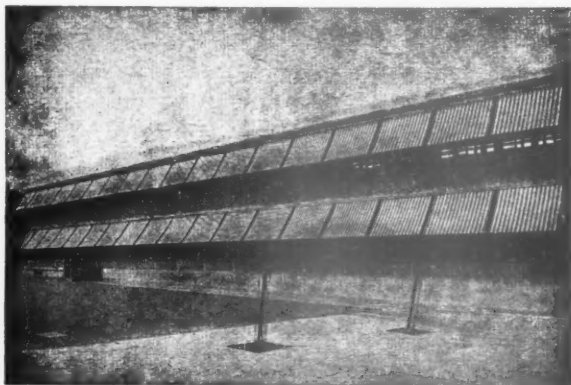
A typical School fitted with Avery's Stage Equipment and Curtains.



Fitted with Avery's "Fanpleat" Bl



A typical School fitted with Avery's Heavy Duty Flexible Aluminium Venetian Blinds.

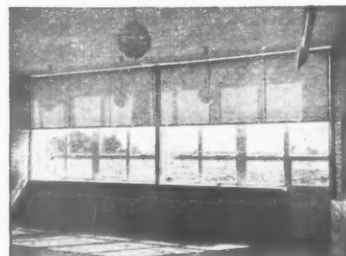


A typical School fitted with Avery's Accommodating Sunblind.

AVERY'S Blinds of 1st class design, 1st class finish and competitive in price.

81 Gt. Portland Street, London, W.1.
"Britains Leading Blindmakers" Museum 9237

Avery's blinds selected for:—Various contracts (including the great oil refinery at Fawley) in connection with the post-war reconstruction and development of Southampton, featured in this issue.



A typical Classroom fitted with Avery's "Classlite" Blind—a blind guaranteed to roll evenly and not to wander.

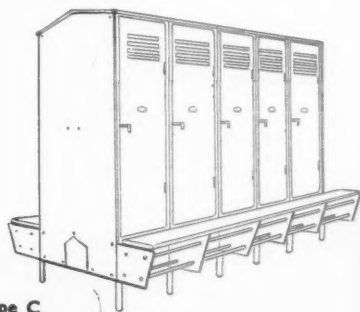
(Servants of most County Architects including the Derby County Architect—Blindmakers to hundreds of the new post-war Schools over Great Britain.)



Type A



Type B



Type C

THREE TYPES OF LOCKERS

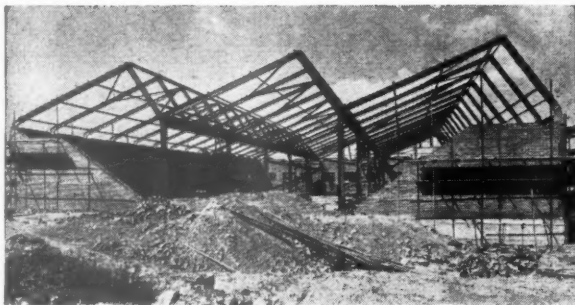
We can offer "A," "B" or "C" patterns for either aisle or wall locations. The "A" and "B" types are available in single or double tiers. All patterns will take plenum, steam, hot water or electric strip heating.

Full technical and layout particulars covering every type of Industrial Furnishing equipment instantly available, in fact, wherever you are on this globe a call, by post, telephone or in person, will bring the services of a Speedwell expert installation engineer to help you.

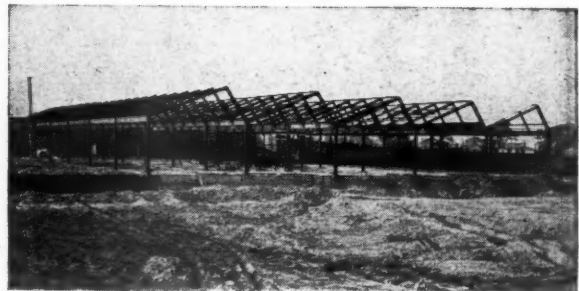
SPEEDWELL GEAR CASE CO. LTD.
TAME RD., WITTON, BIRMINGHAM, 6
Phone EAST 2261 Grams Speedwell, Bham
COVENTRY
NEEDLES END Lane, BERKSWELL
Phone BERKSWELL 3227 Grams Speedwell, Coventry
LONDON
95 PICCADILLY ROAD, S.W. 1 Phone SLOane 6584



Welding in progress.



Canteen at Barnsley for Brook Motors Ltd.



New Factory at Barnsley for Brook Motors Ltd.

Architect: Noel Heppenstall, L.R.I.B.A., Milnesbridge, Nr. Huddersfield

specialists in the design
fabrication and erection of steelwork



Established 1880

James Austin & Sons Ltd (DEWSBURY)

THORNHILL IRON & STEEL WORKS · DEWSBURY

Telephone: 1750 (5 lines) Telegrams: "Austins," Dewsbury

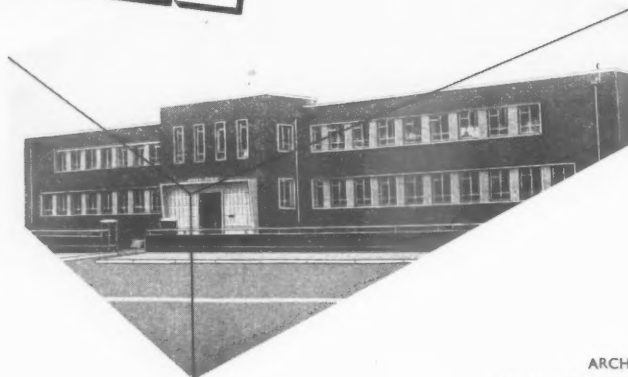
Private Sidings: British Railways, Thornhill

Associated Companies: ASTLEY BROOK & CO. LTD., ST. GEORGE'S WORKS, HUDDERSFIELD, MANUFACTURERS OF "A.B.C. GARAGES AND GREENHOUSES,"
A. J. RILEY & SON LTD., VICTORIA WORKS, BATLEY, BOILER MAKERS, WELDING ENGINEERS

HAMMILL

... *Again*

PRIVILEGED IN
HELPING TO
BUILD THE
NEW SOUTHAMPTON



Illustrated is the OCEAN TRADING (WHOLESALE) LTD.
WEST QUAY ROAD • SOUTHAMPTON

ARCHITECTS
W. H. SANDERS & SON
ARCHITECTS & SURVEYORS
1 CARLTON CRESCENT
SOUTHAMPTON

THE HAMMILL BRICK CO LTD . EASTRY . SANDWICH . KENT . Phone EASTRY 231/2

"Quickspray" and "Silvaspray"



"QUICKSPRAY" and "SILVASPRAY"
Wash Fountains are made in white
vitreous enamelled Cast Iron, Anodised
Aluminium, White Glazed Fireclay and
Terrazzo, sizes ranging from 32in.
diameter to 54in. diameter.

A variety of spray fittings, either
circular spray or independent spray
nozzles, hand operated or foot operated
as may be required. Also we have an
extensive range of soap containers for
fitting to the spray head. Ask for our
"Quickspray" brochure (including
working details applicable to any
installation) to be mailed to you.

We are manufacturers and suppliers of
all patterns of Sanitary equipment.

WILLIAM E. **Farrer** LIMITED
CROWN WORKS, WELBY ROAD, HALL GREEN, BIRMINGHAM 28
STAR WORKS, BIRMINGHAM 9
82 VICTORIA STREET, LONDON S.W.1

Farrer

2

99

V

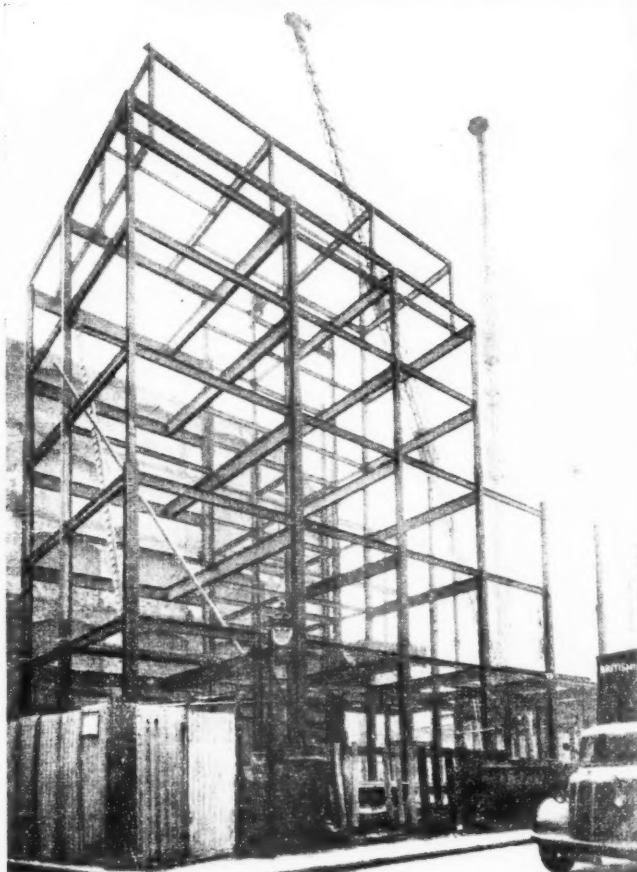
Y"
site
sed
and
zin.

her
ray
ted
an
for
our
ing
any

s of



Bankers' Clearing House, King William St., London
General Contractors: Trollope & Colls Ltd.



Trinity House Offices, Tower Hill, London
General Contractors: Trollope & Colls Ltd.

Steelwork by

DORMAN LONG

HARDBOARD

MORE AND **MORE** WILL BE USED

BUT

FOR SOUND ECONOMY BE CERTAIN

TO USE A **QUALITY** BOARD

DISCERNING USERS REALISING THIS

ORDER BY BRAND AND THE

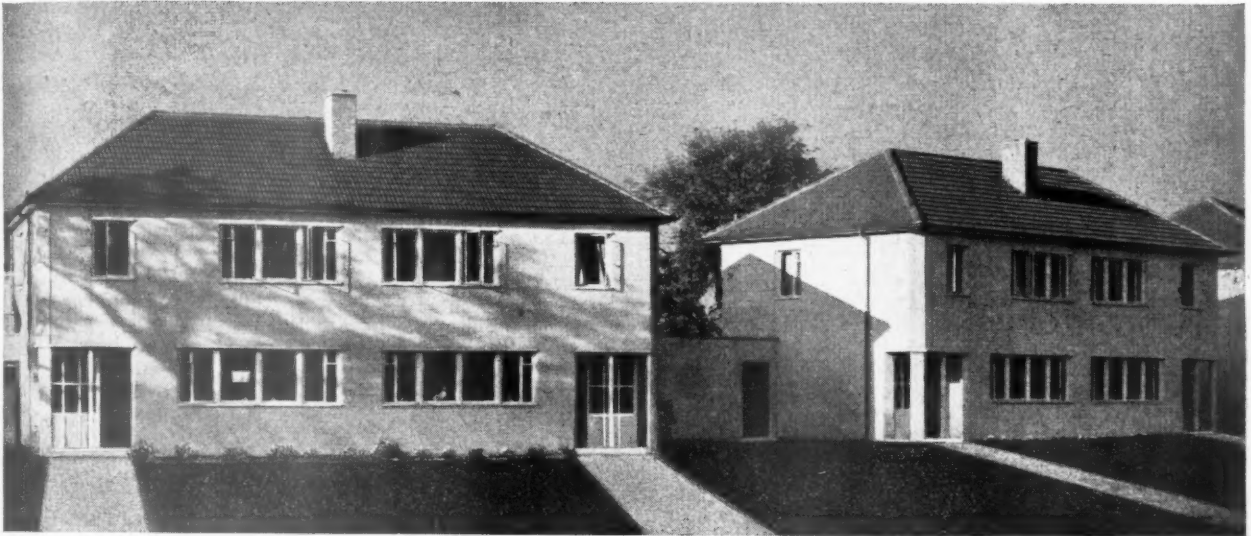
BRAND IS



THE OUTSTANDING
ALL WOOD FIBRE
BOARD

(PRODUCED IN SWEDEN)

REDLAND *ROOFS*



Unity Houses for **SOUTHAMPTON CORPORATION**

ROOFED WITH REDLAND INTERLOCKING TILES

Redland Roofing Tiles are used by leading Local Authorities all over Great Britain. The outstanding qualities of REDLAND TILES are appearance and endurance. They are not only economical to lay but require no maintenance.

Sales Organisation:

REDHILL TILE COMPANY LTD

MOORHOUSE, NR. WESTERHAM, KENT.

Telephone: Limsfield Chart 3206/7



Quiet dignity - - -

Portrayed in the Bankers Clearing House Library. Workmanship of the highest order embodying the use of Iroko solids and teak veneers for Bookcases, Rostrum and Loose Furniture, give prominence to the Architects' aesthetic designs.

Architects :

Messrs. Whinney, Son & Austen Hall, F/R.I.B.A.

GEORGE PARNALL **Design and Craftsmanship**

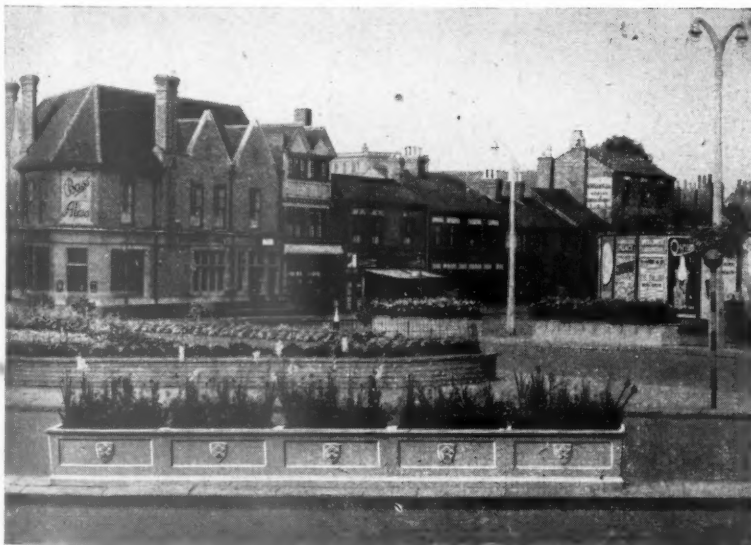
GEORGE PARNALL & COMPANY, LIMITED, 4 BEDFORD SQUARE, LONDON, W.C.1

A bouquet to brighten every street..



Embellish and beautify your city
this Coronation Year—and for ever afterwards—
with **ELLIS CONCRETE FLOWER-BOXES**

Charles Street, Leicester



By kind permission of John L. Beckett, M.Inst.C.E., M.Inst.Mech.E., M.Inst.Mun.E.,
City Surveyor, Leicester

Write for full details to:

John Ellis & Sons Limited, 21 NEW WALK, LEICESTER.

Telephone : 56682.

LONDON OFFICE : 29 Dorset Square, N.W.1.
Telephone : Ambassador 1141.

Inexpensive to buy, they cost
nothing to maintain. Your city's or town's
coat of arms "embossed" on the
side of every box enhances the prestige and
appearance of these unusual civic
decorations.

In grey or buff concrete, size approx.
4 ft. by 2 ft. by 2 ft. 3 in.



A COMPREHENSIVE RANGE OF 13 AMP. FLAT PIN ACCESSORIES



FOR DETAILS OF THE FULL RANGE AVAILABLE,
SEND FOR A COPY OF THIS FOLDER HPL 2010

BRITMAC ELECTRICAL CO. LTD.

BRITANNIA WORKS

WHARFDALE ROAD TYSELEY BIRMINGHAM 11

TELEPHONE: 400,000 (AREA 11) 3 LINES

TELEGRAM: BRITMAC, BIRMINGHAM

AND AT

SWANSEA

LONDON

GLASGOW

Southampton rebuilding

We are proud to record that during the past six years we have designed and constructed in reinforced concrete or hollow block construction the floors, roofs, staircases and in some instances the framework of the following buildings.

SOUTHAMPTON UNIVERSITY : Animal House, Botany Building, Halls of Residence, Institute of Education, Refectory, Zoology Building, Chemistry Building, Boiler House.

Messrs. E. Mayes & Son, New Store, Above Bar Street; Messrs. William Dibben & Sons; Automobile Association Building, The Avenue; Messrs. Betteridge & Son, Commercial Road; Territorial Army Headquarters, Titchfield; Messrs. H. J. Holt Ltd., Empress Road; Isolation Hospital; Pathology Dept., Royal South Hants Hospital; Borough Hospital, new connecting corridors; Chest Clinic, Southampton Group Hospital.

Architects : Gutteridge and Gutteridge.

Messrs. Hibbert & Sons, Solent Road. Portswood Bakeries, 76-84, Portswood Road.
Architects : W. H. Saunders & Son.

Messrs. Russell & Bromley, 100, Above Bar; 153, Above Bar; 5-17, Above Bar; Messrs. British Ropes Ltd., Canute Road; Hanover Buildings; 128, Above Bar; 131, Above Bar; Messrs. John Blundell, St. Mary's Street; Messrs. Stead and Simpson, 57, Above Bar.

Architects : Brian L. Sutcliffe & Partners.

New Store, Marks & Spencer, Above Bar.
Architect : James M. Monro.

Shops and flats Millbrook. *Southampton Borough Engineer & Surveyor.*

Messrs. J. Sainsbury, Above Bar.
Architects : Hooper, Belfrage and Gray.

Messrs. Willerby & Co. Ltd., Above Bar.
Architect : C. E. Epril, F.R.I.B.A.

**Phillips
FLOORS LTD.**

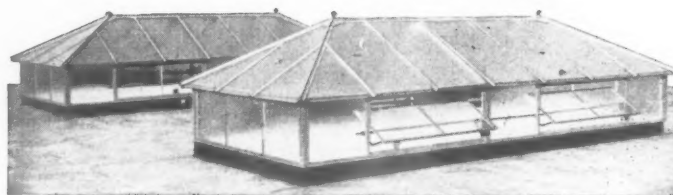


HILLS PATENT ROOF GLAZING

offers the most effective

method of providing

Natural Lighting.



Long stretches of HILLS Patent Roof Glazing, as shown in the photograph, offer the most effective method of providing natural lighting, so essential in promoting good working conditions. Three types of Glazing Bars are available:—(a) Lead clothed Steel Bars which have been tested and proved over many years; (b) Lightweight Aluminium Alloy Bars; and (c) Galvanised Steel Bars—for exceptional economy.

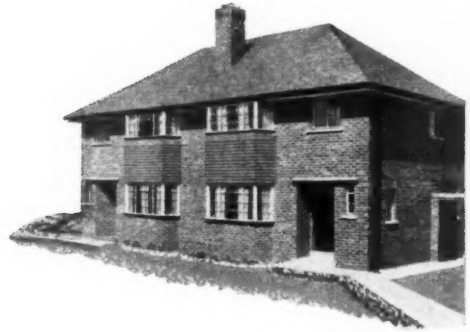
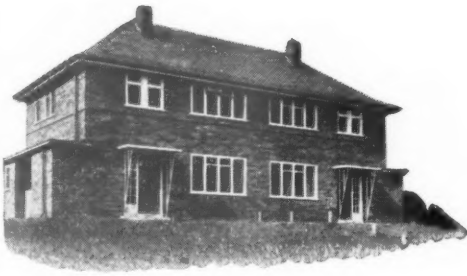
Hills Standard Lantern Lights are designed to allow the

maximum of natural lighting and ventilation without sacrificing the permanent rigidity of the structure. They are available in a wide range of standard sizes and can be made to specific requirements. The range of Hills Patent Glazing includes all types of glazed roofing, Deck Lights, Laylights, and Ventilation together with the necessary operating gear. Detailed information and illustrated leaflets will gladly be sent on request.

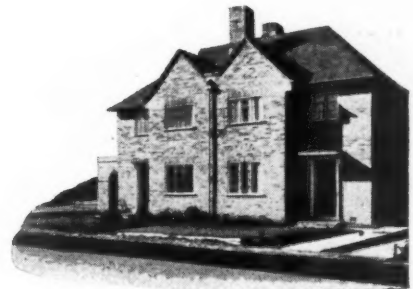
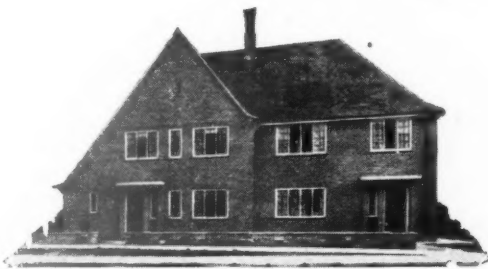
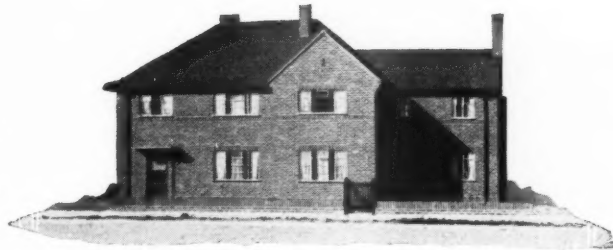
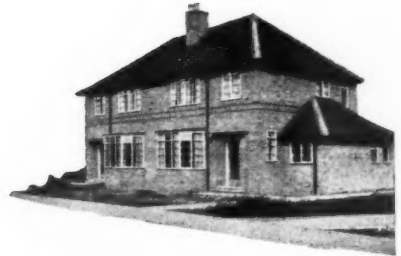
The top illustration shows Hills Patent Glazing at the Eastfield Factory of Messrs. F. Perkins, Ltd., Diesel Manufacturers, Peterborough. Efficient ventilation is also provided by the installation of Hills Ventilating Shutters which, at the touch of a button, expel fumes, smoke and hot atmosphere.

HILLS (WEST BROMWICH) LIMITED

Albion Road, West Bromwich, Staffs. Tel: WESt Bromwich 1025 (7 lines), London: 125 High Holborn, W.C.1. Tel: Holborn 8005/6
Branches at Birmingham, Bristol, Manchester, Newcastle-on-Tyne, Glasgow and Belfast.



Avoid Monotony in Housing



Build in
BRICK

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

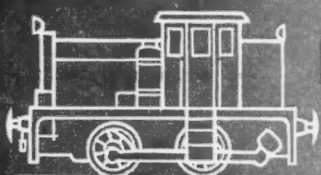
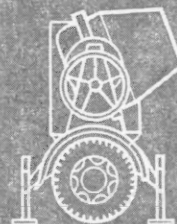
LOCOMOTIVES and CRANES • PILING PLANT • EXCAVATORS • SHOVELS • DUMPERS • TRACTORS
 LIFTING TACKLE • HYDRALOADERS • ROLLERS • BULL DOZERS
 GRABS • CONCRETE MIXERS • WINCHES and HOISTS
 CRUSHING PLANT • SHOVELS • DUMPERS
 AUTO-TRUCKS • ANT • AUTO-TRUCKS
 JACKS • BARROWS
 CONVEYORS • ROAD ROLLERS
 CONTRACTORS' TOOLS • JACKS
 GRABS • CONCRETE MIXERS • ROAD ROLLERS
 BULL DOZERS • TRACTORS • LIFTING TACKLE

When you want...
CONTRACTORS' PLANT
WARDS might have it!

CONCRETE MIXERS

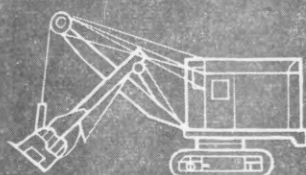
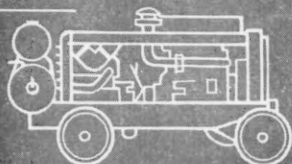


LOADING SHOVELS



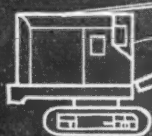
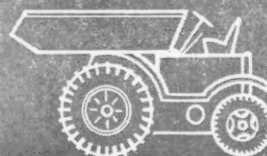
LOCOMOTIVES

COMPRESSORS



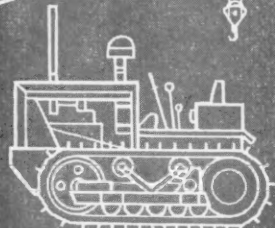
EXCAVATORS

DUMPERS



TRACTORS

MOBILE CRANES



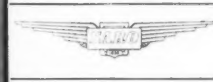
Long experience and unrivalled resources combine to make WARD'S PLANT HIRE and SALES SERVICE a model of modern efficiency. Whether you wish to BUY plant or to HIRE it, it is good business always to remember that "WARDS might have it!"

THOS W. WARD LTD

ALBION WORKS • SHEFFIELD

TELEPHONE: 26311 (22 LINES) • TELEGRAMS: 'FORWARD, SHEFFIELD'

LONDON OFFICE: BRETTENHAM HOUSE • LANCASTER PLACE • STRAND W.C.2



An example
of Saro Doors
in the new
Natural Philosophy
Building of
Glasgow University.
Architects: Basil
Spence & Partners.

Sound
to the core

Saro Flush Doors are built on experience — specialised experience. Selected seasoned timbers are used for the inner core and the laminations are bonded with thermo-setting synthetic resin glues producing a strong door, perfectly rigid and free from distortion. The finest decorative veneers provide a finish in keeping with the highest standards of architectural design, whilst plain veneers provide an equally high quality finish for painting.

SARO FLUSH DOORS
MEDINO BOARD PARTITIONING
SAR-REZ PANELLING AND LIQUID
PLASTIC FINISHES · SAROLITE
CORRUGATED TRANSLUCENT MATERIAL

Please write for descriptive literature on Flush Doors, or any of the other Saro Products

SARO LAMINATED WOOD PRODUCTS LIMITED
FOLLY WORKS · WHIPPINGHAM · EAST COWES · ISLE OF WIGHT (Cowes 704-8)
London Office: 45 Parliament Street, S.W.1 (TRAFALGAR 6291)

BUILDERS SINCE 1799

BRAZIER

& SON LTD
OF SOUTHAMPTON

WERE THE CONTRACTORS FOR THE
AUTOMOBILE ASSOCIATION OFFICES
RED LION HOTEL RESTORATION
CITY OF TORONTO HOMES

DESCRIBED IN THIS ISSUE

OFFICES & JOINERY WORKS

303/305, PORTSWOOD ROAD
SOUTHAMPTON 54056 (5 LINES)

PLANT & TRANSPORT DEPOT

TANNERS BROOK
SOUTHAMPTON 73001



THE TUBULAR STEEL CONSTRUCTION

that

can be built quicker and cheaper than any other form of steel construction.

is flexible in design, and can be built to architects' designs.

can be used for roof trusses with all other forms of construction.

can be built as a temporary structure if required, and dismantled and reassembled.

can be used in conjunction with our welded tubular structures, for buildings of special size requirements.



for further details write to Head Office

Tubeclamp
CONSTRUCTION

BOTTLE CRATE STORAGE SHEDS
MESSRS. WHITBREAD & CO. LTD.

RAYLOR BROTHERS LTD.

59, BEAVERS LANE, HOUNSLOW,
MIDDLESEX Tel: HOUNSLOW 8091
Tel: WITNEY 152

* WORKS: HAILEY RD, WITNEY, OXFORD.

VITRETEX PRODUCTS

- Low material cost
- Economical in use and labour
- Rapid drying
- No sealers on new work
- Full range of finishes from Flat to High Gloss

As used in **SOUTHAMPTON** *on :*

**C. G. HIBBERT'S WAREHOUSE,
TAPLIN'S AUTO ELECTRIC,
WORKS FOR LEICESTER LOVELL,
F. MAYES & SONS STORES,
JOSEPH RANK FLOUR MILLS.**

The perfect finish for all types of surfaces including Plaster, Cement, Concrete, Brickwork, Asbestos, etc., and is specified by the Ministry of Works, Southampton Corporation, and many other Municipal Authorities, etc.

ANDREW & SINCLAIR LTD

86, SYDENHAM ROAD, GUILDFORD

TELEPHONE: GUILDFORD 66251/2
(DISTRIBUTORS FOR VITRETEX PRODUCTS)

SOUTHAMPTON DEPOT: 65 SHIRLEY ROAD, SOUTHAMPTON

Telephone: Southampton 72371

Contracts executed at **SOUTHAMPTON**
by
The LONDON FERRO-CONCRETE Co Ltd
Civil Engineers and Contractors

British Home Stores

architect George Coles FRIBA
concrete floors consisting of precast units
spanning between steel beams with an in situ
concrete topping

Raleigh Industries

architect E M Galloway ARIBA
design, construction and erection of precast
concrete portal frame to the single storey
factory at the rear of the offices. Concrete
frames and purlins were manufactured at
works and delivered for erection at site

The London Ferro-Concrete Co Ltd 247-249 Vauxhall Bridge Road Westminster SW 1 Tel: Victoria 4274

THE
REBUILDING
OF SOUTHAMPTON

Semtex Limited has made substantial contributions to the reconstruction programmes of many towns throughout the country. Amongst the extensive work carried out in Southampton are installations *in all of the six buildings illustrated in this issue's special feature.*

SEMTEX LTD

A DUNLOP COMPANY

COMPREHENSIVE FLOORING SERVICE

Head Office: Semtex House, The Broadway, Welsh Harp, London, N.W.9

Telephone: Hendon 6543

Branches throughout the United Kingdom



Focus on Floors

35E/C.11.E.T.U.

NOW ! BETTER THAN EVER !

Celotex HIGHLIGHT Finish



**Celotex Insulation Boards
with this factory - applied finish**

BUILD • INSULATE • DECORATE

- ★ All in one material !
- ★ All in one operation !
- ★ All at one low cost !

The attractive, smooth, white Celotex HIGHLIGHT finish is now a better proposition than ever ! Continuous research since its introduction last year has resulted in new manufacturing techniques which now give you these *added* advantages :

Greater uniformity of colour
Increased depth of colour
Higher light reflection
Smoother and cleaner cut edges

The HIGHLIGHT finish is *not* a superficial, spray-coat application. It is a permanent finish of specially-prepared paint which *penetrates* the surface of Celotex cane fibre insulation boards. It is scientifically *brushed* into the board and then

hot-rolled to give the smooth, white finish that has no equal throughout the world.

Great savings can be made in decorating costs—one coat of paint or distemper gives the attractive and permanent finish of more expensive applications.

Ideal for lining walls and ceilings, no further decoration is required in industrial buildings if handled carefully. In public buildings, offices or in the house, the HIGHLIGHT finish provides an ideal base for the direct application of paint or distemper—no sizing or undercoating is necessary.

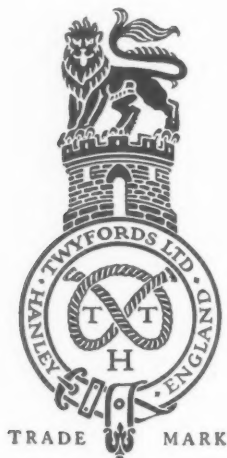
Use Celotex Insulation Boards with the factory-applied HIGHLIGHT finish—and start saving NOW !

CELOTEX

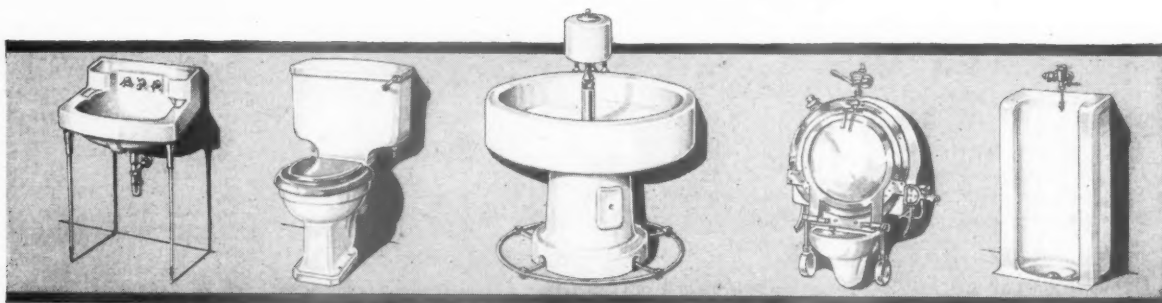
Made in England by

Celotex Limited, North Circular Road, Stonebridge Park, London, N.W.10. Telephone : Elgar 5717

TWYFORDS



Sanitary Fixtures
for every
class of building



Stand B710

B·I·F

Birmingham

We shall look forward to the pleasure of seeing you



Architects: Messrs. Gutteridge & Gutteridge

The Zoological Museum at Southampton University is warmed by forced draught convectors fitted under the show-cases. Warm air is delivered into the hall through the grilles which can be seen in this photograph. The system is automatically controlled by thermostats and is supplied with low pressure hot water from a central boiler plant. The system was designed and installed by :—



G.N. HADEN & SONS
L T D

AVON WORKS, AVON ROAD, BOURNEMOUTH • BOSCOMBE 33316

HEAD OFFICE: 19-29 WOBURN PLACE, LONDON, W.C.1 • TERminus 2877

and Branches throughout the Provinces.

MULLEN & LUMSDEN L^{TD.}

CONTRACTORS

151, ROMSEY RD., SOUTHAMPTON

TEL. 73176/7

GENERAL CONTRACTORS

FOR

ELIM CHURCH AND TAUNTON'S SCHOOL

SOUTHAMPTON

ARCHITECTS:—

Messrs W. H. Saunders & Son
M.I. Struct. Eng. L/F.R.I.B.A. F/F.A.M.P.T.I.

SOUTHAMPTON

ARCHITECTS:—

Messrs Fowler, Grove & Hagger
A/A.R.I.B.A.

Both these buildings are illustrated in this issue

JOINERY WORKS

GRESHAM WORKS,
SOUTH NORWOOD
ADDISCOMBE - 1264

HEAD OFFICE

41, EAGLE STREET,
HOLBORN, LONDON, W.C.1
CHANCERY 7422/3/4

MAINTENANCE DEPT.

COPTIC STREET,
LONDON, W.C.1
MUSEUM 3705

REBUILDING of SOUTHAMPTON

PAINT

for the

CHILWORTH HOUSING SITE

Architects: Fowler, Grove and Hagger, A.A.R.I.B.A.

(illustrated in this issue)

was manufactured by

LISLE, MUNDAY & CO., LTD

Manufacturers of

“SOLENT” PAINTS, VARNISHES & ENAMELS


SOUTHAMPTON

Telephone : 54077 (4 lines)

Telegrams : PAINT - SOUTHAMPTON

As easy as π


When ideal thermal insulation all the year round is being planned, Paramount Fire-resisting Insulating Plaster Board should be specified to serve a threefold purpose.



to prevent the escape of internal heat



to eliminate the penetration of exterior cold



to exclude unwanted solar heat in summer



Paramount
Insulating
Plaster
Board

By virtue of its aluminium foil-backed construction, Paramount Insulating Plaster Board achieves all these objects and provides the additional advantage of high resistance to the spread of fire.

Official tests conducted by the National Physical Laboratory with $\frac{3}{8}$ " Aluminium Foil-backed Plaster Board (including $\frac{1}{2}$ " sealed air space) resulted in a thermal conductance figure "C" of 0.42, which compares favourably with other board insulating materials used in conjunction with an air space.

The use of "Paramount" Insulating Plaster Board thus ensures efficient thermal insulation plus high fire resistance, without the need for special fire protective treatment and without extra cost.

THE BRITISH PLASTER BOARD LIMITED

SOUTHERN SALES OFFICE
MORRIS HOUSE,
1-5 JERMYN STREET, LONDON, S.W.1.
Telephone: Whitehall 9821



NORTHERN SALES OFFICE
BIRKENHEAD ROAD
WALLASEY, CHESHIRE
Telephone: Birkenhead 4411

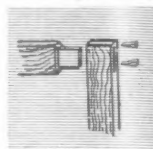
Someone didn't worry about the foundations!

Modern architectural and building science is not at all likely to repeat the oversight that sent the 179 feet high Campanile of Pisa leaning 16 feet out of the perpendicular. Neither is it likely to lose sight of the importance of firm and lasting foundations for the finishing coat of paint.

Intensive research into the absorbent and exudent properties of timber has enabled International Paints Ltd. to develop their ALUMINIUM PRIMER FOR WOOD which gives complete moisture control and provides the means of considerably lengthening the life of the finishing paint. The superiority of this aluminium primer over pink primer lies in its greater resiliency and high water resistance; it thoroughly seals the grain of most woods, including Columbian and Oregon Pine. By virtue of this effective sealing, the blistering and scaling caused by exudation of moisture and resin under warm conditions are reduced to a minimum.



There is little use in locking the front door if the back is left open. It is imperative, if the best results are to be attained, that the ends, as well as the edges and flat faces, of each piece of wood should be thoroughly primed. Particular care should be given to the priming of mortisings and dove-tailings. Joints can be a rich source of paint trouble.



HELPFUL ADVICE

You are invited to get into touch with INTERNATIONAL'S Advisory Service. Many problems arise in connection with the priming of both wood and metals, and in respect of these, International's wide experience enables them to give helpful guidance.

ALUMINIUM PRIMER FOR WOOD

International Paints Ltd.

Head Office: GROSVENOR GARDENS HOUSE, LONDON, S.W.1.
TELEPHONE: VICTORIA 3161 (10 LINES) TELEGRAMS: CORROFOUL, SOWSET, LONDON
Branches at: Cardiff, Glasgow, Hull, Liverpool, London, Newcastle, Southampton, West Hartlepool.

REGISTERED



TRADE MARK

MAIN FACTORY IN U.K. FELLING-ON-TYNE

ASSOCIATED FACTORIES AT

BERGEN
BILBAO
COPENHAGEN
GENOA
GOTHENBURG
HAMBURG

NORWAY
SPAIN
DENMARK
ITALY
SWEDEN
GERMANY

KOBE
LE HAVRE
MEXICO CITY
MONTREAL
NEW YORK
RIO DE JANEIRO

JAPAN
FRANCE
MEXICO
CANADA
U.S.A.
BRAZIL

SAN FRANCISCO
SYDNEY
TRIESTE
VANCOUVER
WELLINGTON

U.S.A.
AUSTRALIA
ITALY
CANADA
NEW ZEALAND



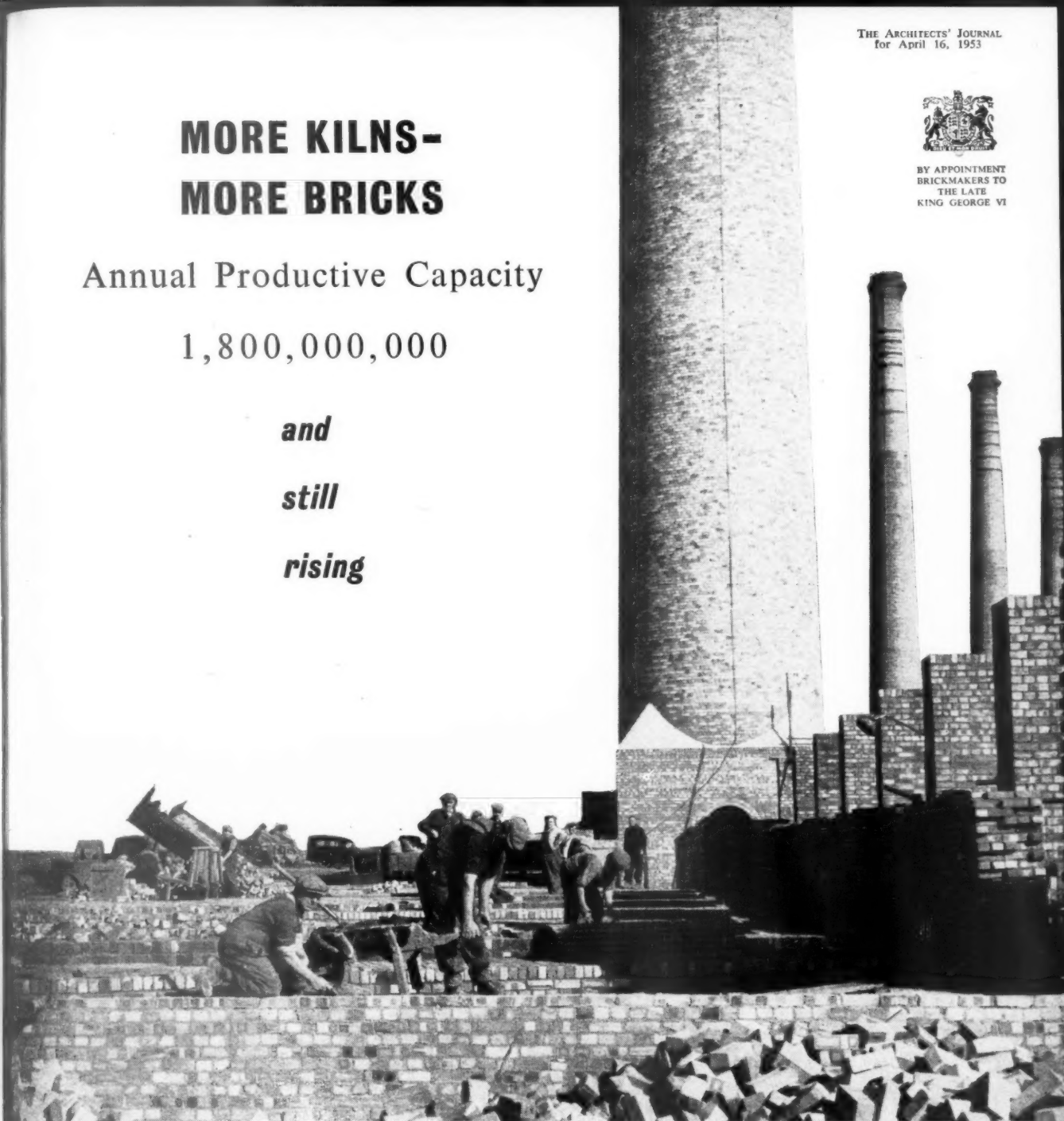
BY APPOINTMENT
BRICKMAKERS TO
THE LATE
KING GEORGE VI

MORE KILNS- MORE BRICKS

Annual Productive Capacity

1,800,000,000

*and
still
rising*



LONDON BRICK COMPANY LIMITED *The largest brickmakers in the world.*

Head Office: AFRICA HOUSE, KINGSWAY, LONDON, W.C.2 Telephone: Holborn 8282 Midland District Office: Prudential Buildings
St. Philip's Place, Birmingham, 3. Telephone: Colmore 4141. South Western District Office: 11 Orchard Street, Bristol, 1
Telephone: Bristol 23004/5. Northern District Office: Gascoigne Street, Boar Lane, Leeds, 1. Telephone: Leeds 20771. LBC 21



R. H. HAMMOND, LTD.

Building Contractors.

236 Winchester Road, Southampton

Tel: 72442 (2 lines)

Contractors for the Halifax Building Society, Hanover Buildings; Shop and Flats, Shirley Road; Messrs. White & Co's. premises 69, The Avenue, and Messrs. Herbert Ferryman's factory.

Enquiries from Architects welcomed.

ELECTRICAL OR HEATING INSTALLATIONS AT

Osborns (Southampton) Ltd.

The Halifax Building Society

Tauntons School

The Automobile Association

Weston Park County Primary School

Beech Avenue Junior School

Southern Gas Board Showrooms

Carried out by

F. W. COOK AND CO. (Southampton), Ltd.
(Specialists in Saving Fuel and Labour). Heating, Electrical, Gas and Sanitary Engineers, The Strand, (off East Street), Southampton; Tel. 4761.

*New buildings
all over*

SOUTHAMPTON

owe their

**HEATING AND
VENTILATING**

to



ADAMS & ADAMS

FOUR CARLTON CRESCENT
SOUTHAMPTON

Telephone
2602

"We guarantee results"

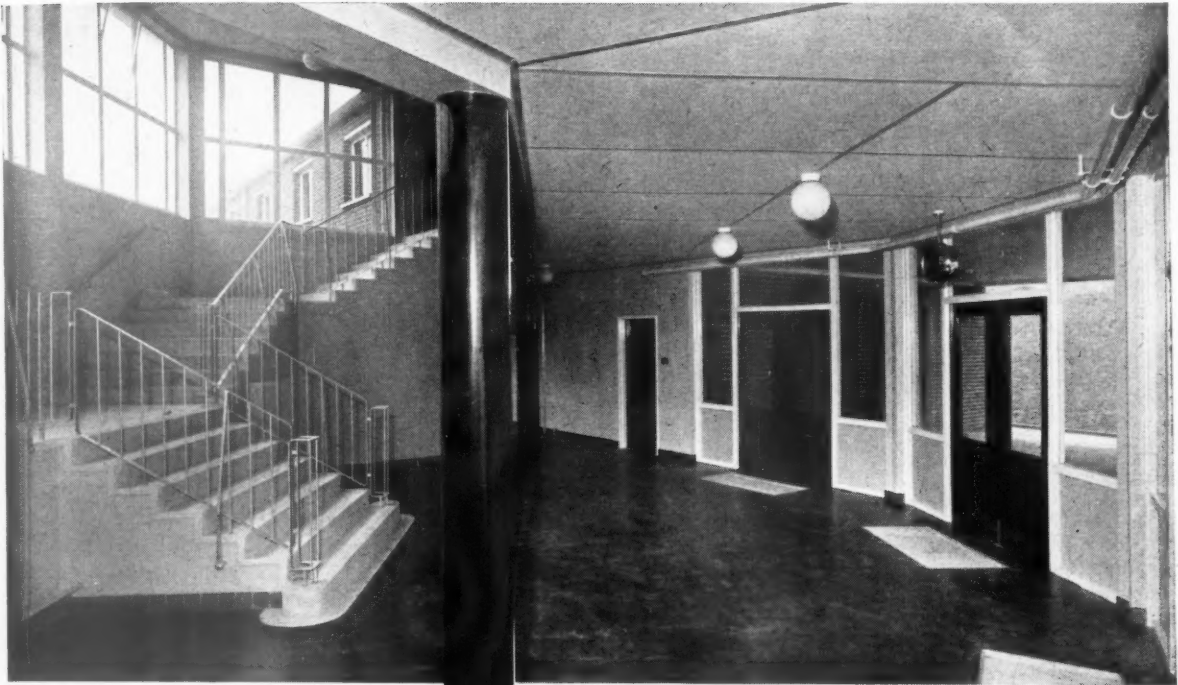
**THE SHOPFRONTS FOR
MARKS & SPENCER LIMITED
SOUTHAMPTON**

were carried out by

**HOLTTUM &
GREEN LTD**

The London Storefitters

FINSBURY WORKS · DURHAM ROAD
HOLLOWAY · LONDON · N.7



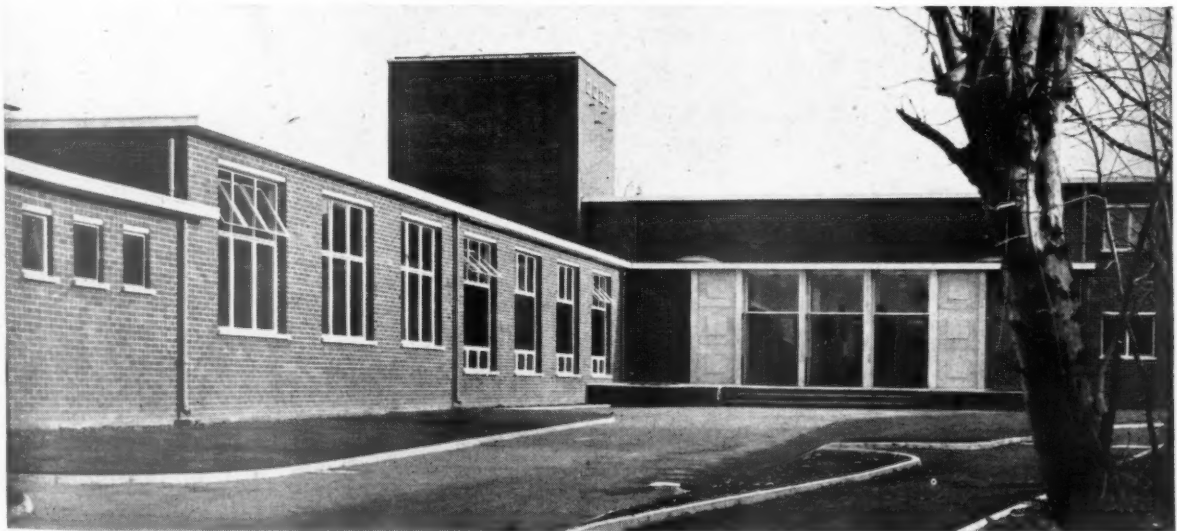
Borough Architect :

Mr. L. Berger, Dip.Arch., A.R.I.B.A.

BEECH

AVENUE JUNIOR SCHOOL

S O U T H A M P T O N



RUSH & TOMKINS LTD.

BUILDING & CIVIL ENGINEERING CONTRACTORS

SIDCUP • LONDON • BIRMINGHAM • DURBAN • COLOMBO

GUILDFORD GLASS & METAL WORKS LTD.

**SUPPLIED AND FIXED AT
BEECH AV. JUNIOR SCHOOL**

**THE
METAL WINDOWS
AND
BALUSTRADING**

**WE ARE
“SPECIALISTS IN SPECIALS”**

We also make
Window Control Gear, Lantern Lights, Patent Glazing, Balustrading, Mirrors, Leaded Lights

PORTSMOUTH ROAD . GUILDFORD . SURREY

TELEPHONE:—GUILDFORD 2922

TELEGRAMS:—“GLASS, GUILDFORD”

E. C. & J. KEAY LTD.

**STEELWORK CONTRACTORS ASSISTING WITH THE REBUILDING
OF SOUTHAMPTON**

**SPECIALISTS IN DESIGN, FABRICATION & ERECTION
OF ALL TYPES OF STRUCTURAL STEELWORK**

**INCLUDING POWER STATIONS, FACTORY & OFFICE BUILDINGS, BRIDGES
AND GAS PLANTS ETC.**

ALSO MANUFACTURERS OF GREY IRON CASTINGS

Works
JAMES BRIDGE
DARLASTON
STAFFS

Head Office
RUNNYMEDE
HENLEY-in-ARDEN
Near BIRMINGHAM

BRANCH OFFICES LONDON & SOUTHAMPTON.



The use of Gas for cooking is an accepted fact. The use of Gas and Coke for water heating and space heating is normally justified because flexibility of control is a big factor in fuel economy. This implies a system of high overall efficiency carefully tailored to meet the precise needs of the occupants of the building in which it is to function. When such a system is visualised, the correlation between its design and the general planning of the building can hardly begin at too early a stage. Then the question arises: how is the extensive experience of the Gas Industry to be tapped in order to ensure that all available knowledge is applied to the problem? The answer is simple. The Gas Industry is so organised that every resource—factual records, human experience, and research facilities—is readily available through the local Gas Undertakings and Gas Boards to all concerned with the planning of heating systems.

Where to go for information about Gas

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GC13

THE SOUTH WESTERN STONE CO. LTD

have contributed notably to the

re-building of **SOUTHAMPTON**

Civic Centre Art Gallery
Marks & Spencer (Above Bar)
Willerbys (Above Bar)

Architects :
E. Berry Webber Esq., F.R.I.B.A.
James M. Monro & Son.
C. J. Epril, F.R.I.B.A.

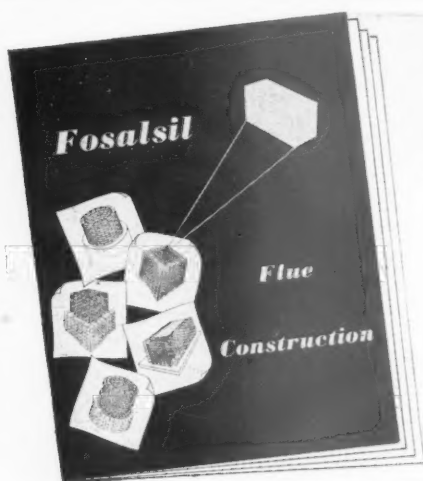
Inquiries welcomed for :—

NATURAL PORTLAND STONE
PAINSWICK STONE (FOR INTERNAL USE)
CAST PORTLAND STONE

Quarry Office & Works:
PERRYFIELD HOUSE, EASTON,
PORTLAND, DORSET.
Tel : Portland 2223

ENQUIRIES INVITED

Head Office & Works:
THESSALY ROAD, BATTERSEA,
LONDON, S.W.8
Tel : MACaulay 1272



**FOR MODERN
CENTRAL HEATING
BOILER FLUE DESIGN**

This may interest you

Architects and Heating Consultants are invited to write for a copy of our latest brochure which contains full technical information on the application of "Fosalsil" Flue Bricks.

ALSO POWER STATION CHIMNEY LININGS

When used to line large brick or concrete chimneys, the exceptional thermal and physical properties of "Fosalsil" Flue Bricks overcome the two major problems—thermal insulation and excessive weight.

Detailed recommendations will be gladly supplied on request.

Sole manufacturers of "Fosalsil" Flue Bricks

MOLER PRODUCTS LTD • HYTHE WORKS • COLCHESTER

Telephone: Colchester 3191 (3 lines)

Telegrams: Furmol Colchester

THE UNITY HOUSE SYSTEM OF CONSTRUCTION



INCORPORATING **TRETOL PRODUCTS** for Waterproofing and Protection

One of the types of Unity Standard People's Houses
being erected in various parts of the country. A proto-
type of the latest Unity House design as adopted for the
re-building of Southampton.



Tretol Products used include :—

Tretol Fibrous Compound for application to the base
of wall cavities and back of lintels; Tretol Cold Bitumen
Solutions as the damp-proof course on the oversite concrete,
as well as Tretol Bitumen Mastic for the wall cladding.
Tretolin Paint is used for the painting of new concrete surfaces.

TRETOL LTD.

12-14 NORTH END ROAD
LONDON, N.W.11
Telephone : Speedwell 4621 (5 lines)

CRITTALL

HOT-DIP GALVANIZED WINDOWS



WILL FORM A PERMANENT FEATURE IN THE
REBUILDING OF SOUTHAMPTON

Branch Office:

THE CRITTALL MANUFACTURING CO. LTD., CARLTON MANSIONS, CARLTON CRESCENT, SOUTHAMPTON

Telephone: SOUTHAMPTON 2682

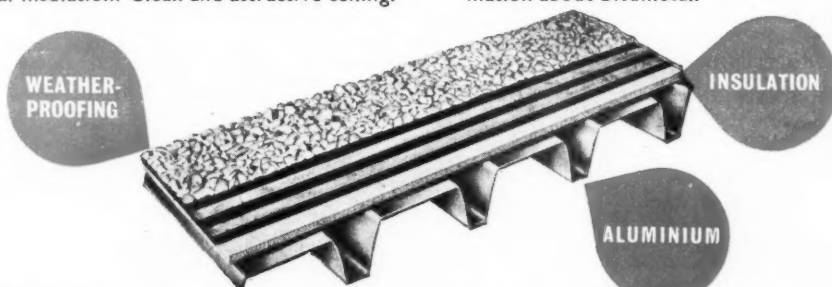


Because of the many exacting conditions required to be fulfilled, Bitumetal was chosen to roof this tremendous new project for The Steel Company of Wales at Margam and Trostre. The roofing requirements were:

Light in weight and quickly erected. Complete and thorough weather proofing. High resistance to corrosion. Freedom from maintenance. High thermal insulation. Clean and attractive ceiling.

Bitumetal Roofing fulfilled all these exacting requirements.

No wonder many architects and contractors are realising the immense advantages of Bitumetal for a wide variety of buildings. If you have not recently heard from us, please write to our nearest Resident Manager for the latest information about Bitumetal.



WILLIAM BRIGGS & SONS LTD., Vauxhall Grove, London, S.W.8. Regd. Office: DUNDEE

ABERDEEN BEDFORD ROAD NORWICH TROWSE MILLGATE LIVERPOOL KIRKBY TRADING ESTATE LEICESTER BELGRAVE ROAD STATION
GLASGOW 200 OLD DUMBARTON ROAD BRISTOL STILLHOUSE LANE, BEDMINSTER EDINBURGH MURRAYFIELD STATION BELFAST CORRY'S BLDG. GARMOYLE STREET

OUR LATEST AID TO ARCHITECTS & BUILDERS!

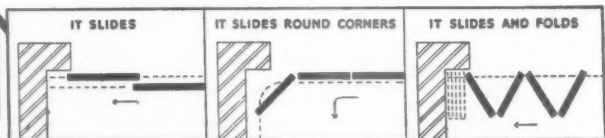
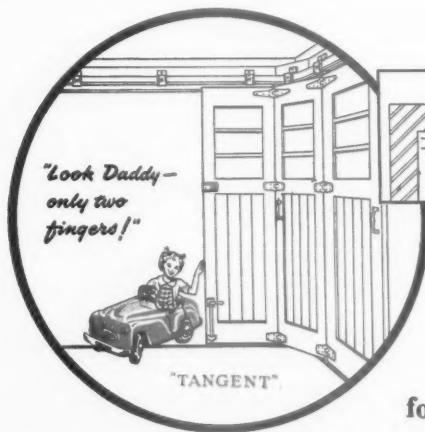
A NEW AND REVOLUTIONARY PRICE LIST

48 pages containing the PRICES PER SET of
every type of SLIDING DOOR GEAR

SEND FOR YOUR COPY NOW....ASK FOR PRICE LIST NO. 1

NEW GEAR · NEW STANDARD SETS · NEW PRICES

	STRAIGHT - RUN Top - Hung	"STERLING" Bottom Rollers
	"TANGENT SENIOR" Top Hung	"TANGENT FOLDING" Top Hung
	"COLLEGE" PARTITION GEAR Bottom Rollers	"COUNCIL" PARTITION GEAR Top Hung
	"MANSHION" DOMESTIC GEAR Bottom Rollers	"PARLOUR" DOMESTIC GEAR Top Hung



Henderson SLIDING DOOR GEAR

for any Door, Partition or Window that slides or folds

P. C. HENDERSON LIMITED · TANGENT WORKS · BARKING · ESSEX



THE ARCHITECTS' JOURNAL

EDITORIAL BOARD: (1) *Consulting Editor*, F. R. Yerbury, O.B.E., Hon. A.R.I.B.A. (2) *Town Planning Editor*, Dr. Thomas Sharp, L.R.I.B.A., F.P.T.P.I. (3) *House Editor*, J. M. Richards, A.R.I.B.A. (4) *Executive Editor*, D. A. C. A. Boyne. (5) *Technical Editor*, R. Fitzmaurice, B.Sc., M.I.C.E., Hon. A.R.I.B.A. (6) *Editor Information Sheets*, Cotterell Butler, A.R.I.B.A. (7) *Editorial Director*, H. de C. Hastings.

GUEST EDITOR: (8) Prof. Ian Bowen.

SPECIALIST EDITORS*: (9) Planning (10) Practice (11) Surveying and Specification (12) Materials (13) General Construction (14) Structural Engineering (15) Sound Insulation and Acoustics (16) Heating and Ventilation (17) Lighting (18) Sanitation (19) Legal.

ASSISTANT EDITORS: (20) *Chief Assistant Editor*, Kenneth J. Robinson, (21) *Assistant Editor* (Buildings), L. F. R. Jones, (22) *Assistant Editor* (Information Sheets), H. N. Hoskings, A.R.I.B.A., (23) *Assistant Editor* (News), Sam Lambert, (24) *Assistant Technical Editor*, M. Jay, (25) *Photographic Department*, E. R. H. Read, H. de Burgh Galwey, (26) *Editorial Secretary*, Monica Craig.

* To preserve freedom of criticism these editors, as leaders in their respective fields, remain anonymous

9, 11 & 13, Queen Anne's Gate, Westminster, London, S.W.1 Whitehall 0611

No. 3033 April 16, 1953 VOL 117

Subscription rates: by post in the U.K. or abroad, £2 10s. 0d. per annum. Single copies, 1s.; post free, 1s. 3d. Special numbers are included in Subscriptions; single copies, 2s., post free 2s. 3d. Back numbers more than 12 months old (when available), double price. Half yearly volumes can be bound complete with index in cloth cases for 25s. 0d.; carriage, 1s. extra.



OPEN PLANNING

ASTRAGAL was charmed to get a letter from Elizabeth Coxhead of the *Liverpool Daily Post* enclosing an article of hers from the magazine section of that paper. She calls her article, modestly enough, "a blast against what looks like becoming the monstrous regiment (anarchy would seem a better word) of the open planner. . ." In her article Miss Coxhead accepts many of the advantages of open planning (perhaps a little reluctantly), but assumes that it must be communal, noisy and public—a backward step in civilization—back, in fact, to Norman great halls and pigging it together on the straw.

Well, as he's often said before, ASTRAGAL is no missionary, and has

no intention of starting up a new movement for the compulsory abolition of partition walls. In fact, he doubts if many architects would join such a movement. Anyway, the open plan is news, not because architects want it, but because their clients want it. Some of us may desire nothing better than a nice Georgian country house, but those of our friends who are rich enough to afford them, tell us they find it difficult to get servants who don't mind working in basement kitchens, sleeping in attic bedrooms, and lighting endless fires. For the most part people with such houses seem to live more openly than the rest of us; the larger the house the more likely the occupants are to be found having breakfast in the kitchen, the rest of the meals in the only other warm room—probably the library, which has become the living-room—while every other room is shut up. It is not surprising that it is the very wealthy who have most easily taken to open planning. I could list half a dozen people in the United States (where the situation is worse), who have literally torn down their mansions and converted their stables or sports pavilions into comfortable openly planned homes.

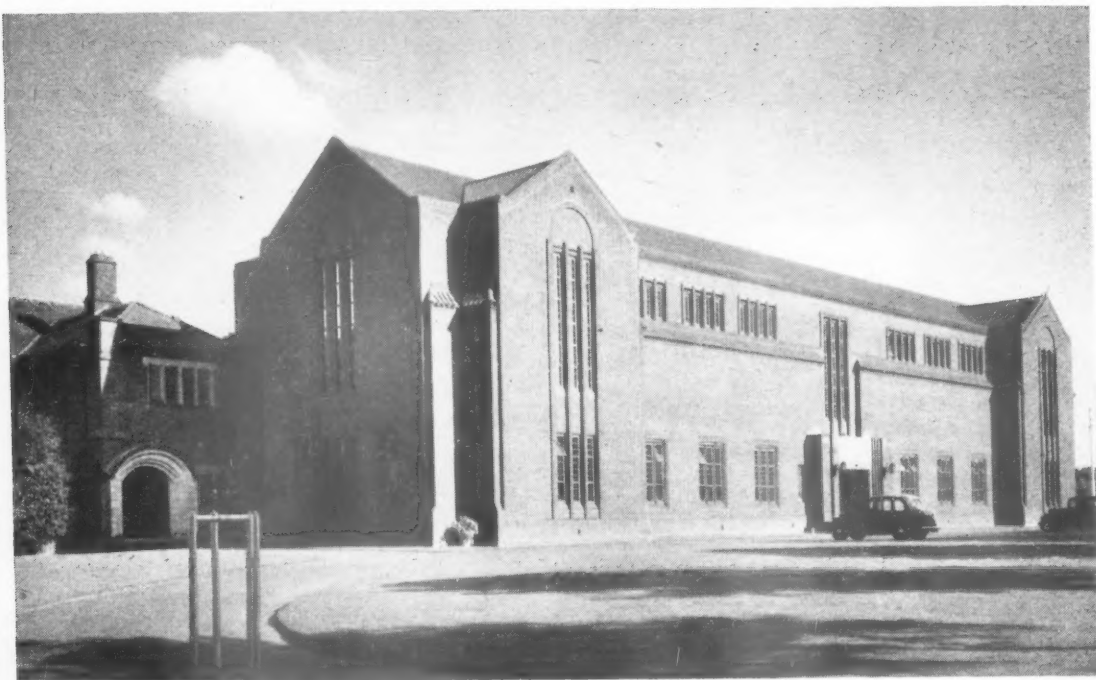
Elizabeth Coxhead suggests that the open plan may be all right for the American way of life, "which is chum-mier." No doubt American homeowners are more hospitable than we are, but may not this be a *result* of the open plan, rather than *vice versa*? It is a case of the chicken and the egg: did the American way of life produce the open plan, or did the open plan bring about the American way of life? Anyway, the open plan is not such a

new idea. F. L. Wright had it pretty well taped when the *Ladies' Home Journal* commissioned his prairie house designs in 1900, and he has been improving these designs ever since. It is doubtful, indeed, if anyone could sell a plan in the United States which was not partially open. After all, there are degrees of open-ness, from our now acceptable dining-living-room to the extreme of the Johnson glass house. Fifty years is a long time to develop a plan type and the Americans have solved most of the problems that Elizabeth Coxhead raises.

In the end what is an open plan? It is a technical solution to an aesthetic problem—to give, within a democratic framework, some of the spaciousness and elegance of eighteenth century aristocratic living by means of the imaginative use of mechanical equipment. ASTRAGAL has always been, at heart, an old "Women back to the home" reactionary, but for some reason over half of our countrywomen just don't want to go back, and one can't blame them. Even if they could be forced to by taxation, or equal pay for equal work, or something, it is taking things a bit too far to barricade them in the kitchen while the rest of the family and their friends are barricaded in another room in another part of the house. No, Elizabeth Coxhead, even if we have not found the ideal home plan yet, that sort of planning has not made sense for a long time.

FLAT RENTS

During the last few weeks you may have noticed several advertisements for new flat blocks in which long



THE UNIVERSITY OF SOUTHAMPTON
Gutteridge & Gutteridge, Chartered Architects

HOPE'S

HOT-DIP GALVANIZED

WINDOWS

SUB-FRAMES · DOOR FRAMES · LANTERN LIGHTS
GEARING AND BRONZE DOOR FURNITURE
THROUGHOUT UNIVERSITY BUILDINGS AND
HALLS OF RESIDENCE

HENRY HOPE & SONS LTD., *Smethwick, Birmingham & 17 Berners St. London, W.1*
Local Office: 53 Bassett Green Rd., Swaythling, Southampton

leases are offered for sums of £3,000 or more, plus rents which are described as "nominal." Our income tax system is probably the reason, for the promoter may make a tax-free profit on his building cost and the rent need represent no more than the cost of running lifts and boilers, with something over for repairs.

Buying flats in this way is a common habit in America and is not unknown, I believe, in Scotland, but it seems a recent development in London. Architects who specialize in flat blocks will have to consider this in putting up their estimates for possible development schemes.

DARBY WINNER

The iron bridge at Coalbrookdale, across an upper reach of the Severn, is well known as one of the earliest

monuments to British industrial enterprise; in fact it is now scheduled as an ancient monument, and very rightly too. Less is known about the family who built it—the Darbys—but that need no longer be so, because Dr. Arthur Raistrick, who has had access to material not available before—account-books, minute-books, letters and so on—has now written* a most comprehensive history of the Coalbrookdale ironworks and its owners.

It is an absorbing story, which might be described as the story of the industrial revolution in miniature. The bridge was built (in 1789) by Abraham Darby III, but the ironworks had then been going for 90 years, having been founded before the end of the seventeenth century by Abraham Darby I,

* *Dynasty of Ironfounders: the Darbys and Coalbrookdale.* By Arthur Raistrick. (Longmans, Green & Co. 39s.)

a family firm that was destined to become, for a time, the world's largest ironworks and to build not only the first cast iron bridge but the first locomotive as well.

The Darbys were Quakers, and everyone reading this book will be reminded of the remarkable part played by the leading Quaker families—the Frys, the Lloyds, the Barclays, the Gurneys and the rest—in the development of trade and industry in those days. They stuck together, corresponded together and formed (with their industry and enterprise and, above all, their sense of social responsibility) a kind of commercial élite to which there can hardly be a parallel anywhere. Dr. Raistrick's book is a fascinating mixture of social, technical and industrial history.

ASTRAGAL

NEWS

LCC

New Panel of Private Architects

The LCC is inviting applications with a view to forming a new panel of architects in private practice to carry out educational building projects on behalf of the Council. The Council normally allocates part of its building programme each year to private architects, and over 100 schemes, ranging from minor additions to the erection of new secondary schools costing over £500,000, have been placed in the hands of architects in private practice since the first panel was formed in 1947. The total value of these schemes is over £4,000,000.

Application forms giving details of the panel may be obtained from the Clerk of the Council (E1), County Hall, S.E.1. These forms have to be returned by April 24, 1953.

BC

Danish Exhibition

An exhibition of Modern Danish Housing opens today at the Building Centre, 26, Store Street, London, W.C.1. Also on view will be photographs and drawings of the Civic Hall at Aalborg. The wallpapers, furniture and lighting fittings at the exhibition, which are imported by Finnmar, are obtainable at Heal's or Liberty's. The exhibition is open 9.30 a.m. until 5 p.m. and until 1 p.m. on Saturday; it closes on May 9.

MOW

Re-building Central London

In reply to a question by K. Robinson (the Labour M.P. for St. Pancras), the Minister of Works stated in Parliament recently that the £10 m. worth of building to be carried out in central London would comprise about 30 buildings, the more im-

portant of which would include the Baltic Exchange, two bank buildings, including the Bank of England, two insurance offices, headquarters of a coal exporting firm, new headquarters for the Federation of British Industries, the TUC, and the diamond trade, and a number of university extension buildings.

About three-quarters of the £10 m. would be within the boundaries of the city, and it would take about three years to spend this money. Six licences had already been issued, and two were about to be.

More large building projects of this nature were necessary, said the Minister, because such work would keep skilled craftsmen occupied and give opportunity to train apprentices. The TUC building would give much work to stone-masons. About 1,500 men would be occupied at the peak period, and unless this work was started that number of men might leave London or the industry. It would not be possible to erect factories in the area, and to build houses or flats would be a waste of sites. (Mr. Robinson had urged that priority should be given to the construction of flats in central London.)

SCHOLARSHIP

Reinforced Concrete in Contemporary Architecture

The Trussed Concrete Steel Co. Ltd. is offering a travelling scholarship of £100 to enable an associate of the RIBA to undertake a Continental tour of about three weeks' duration. The winner will be accompanied by a member of the company's technical staff awarded a similar scholarship, and they will be required jointly to study interesting reinforced concrete work on the continent of Europe. A joint report will be prepared, the use and copyright of which will remain at the disposal of the company.

Applicants must be under 35 years of age and must provide evidence of their office experience and of their special interest in the subject of the scholarship, i.e., the use of reinforced concrete in contemporary architecture.

Applications must be submitted by May 15 to the Secretary, The Trussed Concrete Steel

Co. Ltd., Lower Marsh, S.E.1, and must contain the following particulars:—Age; architectural education; academic qualifications; present occupation or employment; evidence of the candidate's suitability for appointment to the scholarship. A knowledge of French, Italian or Spanish would be of considerable value. The names of two persons to whom reference may be made regarding the candidate's fitness for appointment to the scholarship.

The applications will be considered by a selection committee consisting of one representative of the company and two representatives of the RIBA.

CORRECTION

Grenfell Baines on Practice

In the JOURNAL for April 2, Grenfell Baines was quoted as saying "... nine years later I got to a school of architecture—where I was ruined." The last part of the sentence should have read: "when I was ruined."

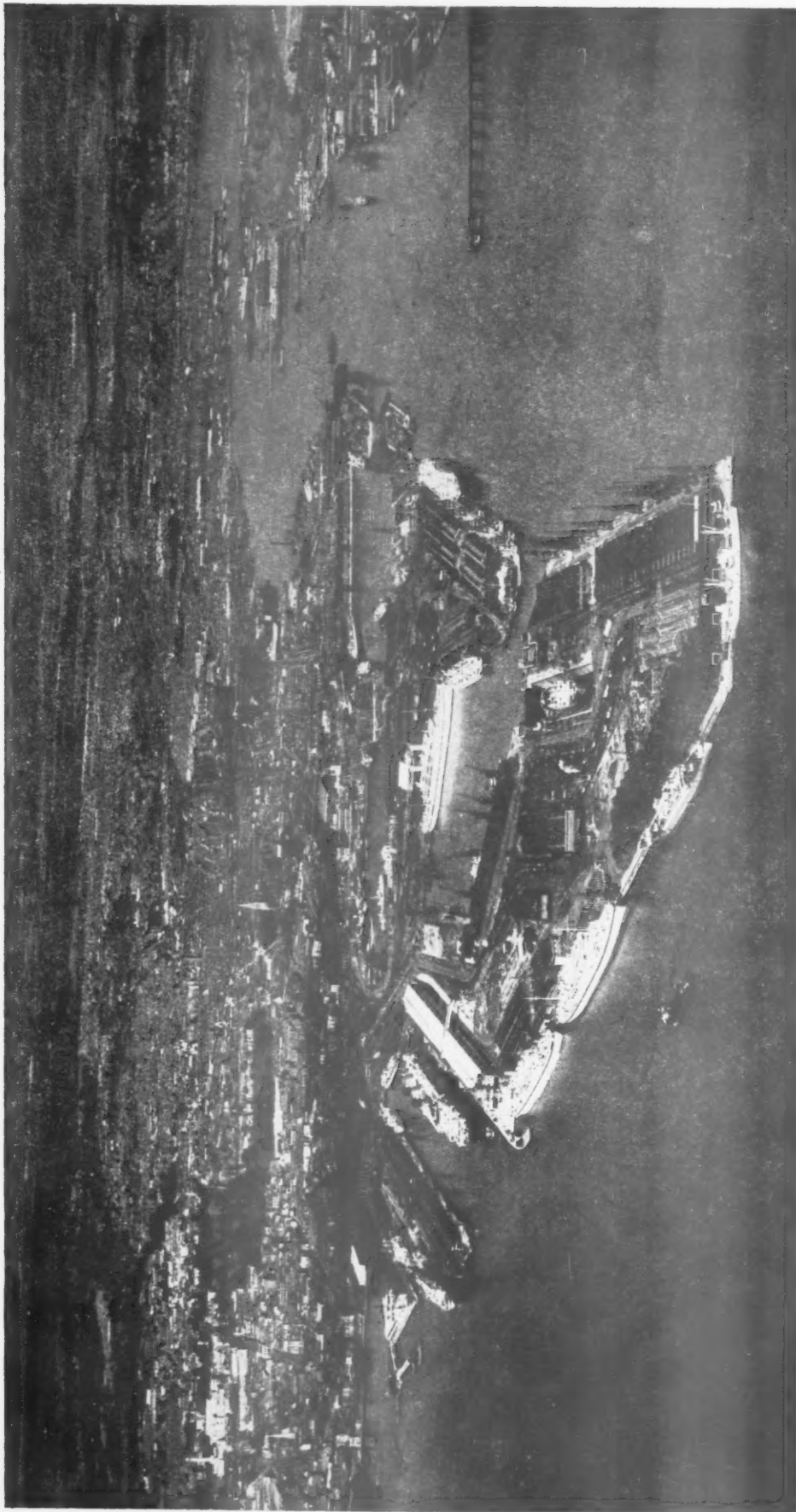
DIARY

Economy in the Use of Structural Materials. G. A. Gardner, R. Morton and L. P. Creasy. At the ISE, 11, Upper Belgrave Street, S.W.1. At 6 p.m. APRIL 16

The Baroque and the Classical Motifs in the Planning of the Centre of St. Petersburg. B. Lubetkin. At SCR, 14, Kensington Square, W.8. 7.30 p.m. APRIL 21

Rebuilding Britain. Alfred C. Bossom. Connaught Rooms, Great Queen Street, W.C.2. Tickets, including luncheon (15s.), from Society for Individual Freedom, 96, Victoria Street, S.W.1. 12.45 p.m. APRIL 23

Paintings, Drawings, Sculpture and Tapestry, 1918-1953. By Le Corbusier. At the ICA Gallery, 17-18, Dover Street, W.1. Daily, 11 a.m. to 6 p.m.; Sundays, 2 p.m. to 6 p.m. APRIL 23-MAY 17



The Gateway to England

If Liverpool and the Port of London are the tradesmen's and service entrances to England, Southampton, handling the major portion of the country's passenger transport by sea, can well claim to be the country's front door. In such an eminent rôle the citizens should be ultra-sensitive to the effect of first impressions on the visitor from abroad. The aerial view above is sufficiently distant to give little impression of either the town's ugliness or charm, but it shows clearly the town's sitting at the junction of two rivers, the Itchen on the right and the Test in the left foreground. In the centre foreground are the Old Docks, built during the last century as a continuation of the

tongue of land on which the town first started. On the right, on both sides of the river, is the usual muddle and mess of wharves, boatbuilders' yards and factories. In the centre is the typical mass of slumdrum housing which accompanies any industrial town and runs for nearly two miles on the west bank of the Itchen. To the left of this is the wedge of common and parkland which infiltrates most delightfully almost to the centre and divides the town in half. This centre, the nucleus of the town, can be seen on the extreme left. In this issue, Southampton is the subject of the seventh article in the JOURNAL's series on the rebuilding of the blitzed cities. (Photo: Aerofilms)



The Editors

ERRORS OF JUDGMENT

PRECISELY thirty years ago a scheme was started in Southampton for reclaiming the mudflats in the curve of the shore on the west side of the Old Town. The photograph, above, shows the result. A factory which, on town planning grounds, should never have been built so close to the centre of the city, has been able to extend further and further over the reclaimed land so that today it can be fairly said that so much capital has been sunk in the building, and in its plant, that it would be economically impossible for it to move. Behind the tall central chimney (discharging smoke on the prevailing south-west wind so that it drifts across the city) is the white tower of the civic centre, forming, on its slight eminence, the visual pivot around which the whole town turns. To the left, and even closer to the civic centre, are the three chimneys which mark the power station. As regards this building, the advocates of good planning have been more successful. Its site has been zoned as "open space." This is not a very large step, but it is at least in the right direction. This power station was started fifty years ago, and, in the words of the Development Plan, "will continue in operation for many years." So the planners' achievement is, in fact, largely a paper one. Fifty years ago, anyone standing on the city walls in the same position as that shown in the photograph above would have had the sea lying only a stone's throw away below. Early prints show yachts sailing across the bay where factories now sprawl. And yet, this reclamation of land was a great feat. By building a quay wall one and a half miles long, from the old town to outlying Millbrook, an area of 380 acres was won from the sea, and a vast modern dockyard created at the same time. Although far from ideal building land, the implication of this engineering achievement, and its effect on the structure of the town was largely lost on the townspeople. The centre of the town, from being only a few hundred yards from the sea, was suddenly thrust half a mile from it, separated by acres of open land. The existing road pattern, clinging to what was once a narrow peninsular, now looks absurd. Such a radical change in the very centre of a city—there must be few precedents for it—has had little effect, apparently, on either citizen or councillor. The land has been little built on, and no landscaping or planting attempted. Yet this land will, in time, affect the nearby Old Town just as much as the blitz. The revival of the gutted and decaying Old Town will depend greatly on just how this man-made gift to the town is used. In this issue of the JOURNAL, the planning officer's proposals for this and other areas of Southampton are described in the seventh article in our series on the planning and rebuilding of the blitzed towns.



The County Borough of Southampton is the seventh town in the JOURNAL's series of articles on the post-war reconstruction and planning of the blitzed towns. On the following seven pages the planning proposals for the town are described and the major post-war buildings in the town which have been designed by architects not resident in Southampton are illustrated. Then follows four pages illustrating some of the work of the Borough Architect, the Borough Engineer and the Docks Engineer, and, in conclusion, fourteen pages are given for illustrating the post-war work done by the architect in private practice in Southampton.

SOUTHAMPTON

A SURVEY BY D. RIGBY CHILDS AND D.A.C.A. BOYNE

"SOUTHAMPTON, the Gateway to England" reads the notice which confronts every visitor from abroad as he leaves the Old Docks, and then, on either side, "No entry, except buses." By such means, the visitor is broken into the profusion of road signs, posts and notices which litter Southampton just as much as any other town in England. It is unfortunate that this welcoming notice is so insipidly designed, with only a pallid sketch of a fortified gate, to express the historic riches of this fine town, because Southampton, although so heavily bombed, is still potentially an attractive town to the tourist. Perhaps the best approach to the town is by road from the north. Travelling down the tree-lined Bassett Avenue and through the mile-long Common, the impression one receives of a parkway which reaches almost into the centre of the town, is extremely pleasant. The alternative approach by rail from London is not too bad, but any fair impression is ruined by the sight of a graveyard—on land owned by the Railway Executive—for old trams and buses in differing stages of decay.

first impressions

The visitor is first struck by the general cleanliness of the town. There is little obvious smoke and dirt save from the factory and power station near the centre, and there is not a marked atmosphere of the coarseness and rowdiness so often associated with ports. Southampton is fortunately a relatively compact town, although housing densities are fairly low, and from within the town the countryside does not seem to be far distant. On the west side many people do not actually go so far as the open countryside for walks and summer picnics; they prefer, it seems, to go to a vast unspoilt Common which divides the town nearly in half. Within the residential areas there is a pre-war estate developed by a

local Trust where some of the layout could not be bettered; and even some of the groups of temporary pre-fab. bungalows, due to the great care taken in the layout by the Borough Architect's Department and in their subsequent maintenance by the Borough Engineer's Department, look reasonably civilised. One does not have to be long in Southampton before noticing a very strong element of local pride. The townspeople are, it seems, very proud, and fairly reasonably, of the series of open spaces, Hoglands, Kingsland, East Park, West Park, which are, and could be far more effectively, an integral part of the Town Centre. A planner who dares suggest the use of part of these open spaces for a road, or car park, courts dire disfavour.

local wealth

Southampton is first and foremost a sea-port. It ranks first amongst British ports in terms of passenger traffic and fourth in the value of freight trade. It is also a shopping centre for the area around, although the loss through the bombing of many of its shops has meant that some trade has gone to nearby Bournemouth and Winchester. In addition to the docks, there is a fair amount of local industry, mainly engineering and shipbuilding.

history

Unlike the other towns dealt with in this series, Southampton suffered from enemy action before the last war. In 1338, the French destroyed a large part of the town, and the fine stone walls and gates which stand today are what remain of the defences the citizens then made to prevent a recurrence of the disaster.

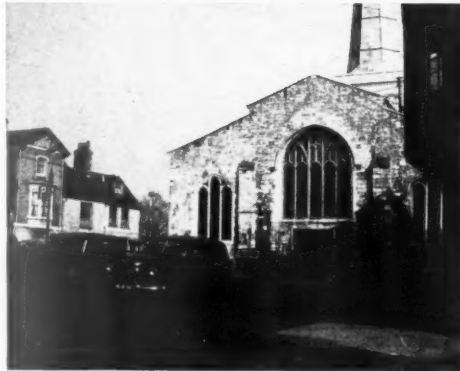
With the prohibition of the export of wool in Henry VIII's reign came a decline in the town's prosperity which lasted for 200 years. From 1750 onwards, Southampton began to prosper again when it became a spa, and, as a result, the town spread beyond the walls and some fairly pleasing terraces were built which still stand. The decline in its popularity as a spa coincided, fortunately, with developments in industry and transport during the nineteenth century. The present Old Docks were begun in 1838, the railway from London to Southampton was completed by 1844, and so the rapidly increasing transatlantic shipping trade was begun, culminating in the transfer of passenger ships to Southampton from Merseyside. The period of most rapid growth was in the decade 1891-1901, when the population rose by 30 per cent., at a time when the Docks were acquired by the old London and South Western Railway Company.

bomb damage

After London, the town was looked upon as being the primary



Map of Southampton and the surrounding area.



The bulk of Southampton consists of late nineteenth century buildings of little charm. The most attractive features are the large parks, the few Regency terraces, such as Portland terrace, above, the city wall and gates, above, extreme right, and parts of the Old Town, seen top centre, and right—St. Michael's Square. Another small oasis of good, if traditional, design and layout is the housing of Orchard Close, extreme right, designed in the 'thirties by Herbert Collins. On the right is the Dolphin Hotel, with the bow windows which

are a typical feature of Southampton buildings of the eighteenth and early nineteenth centuries.

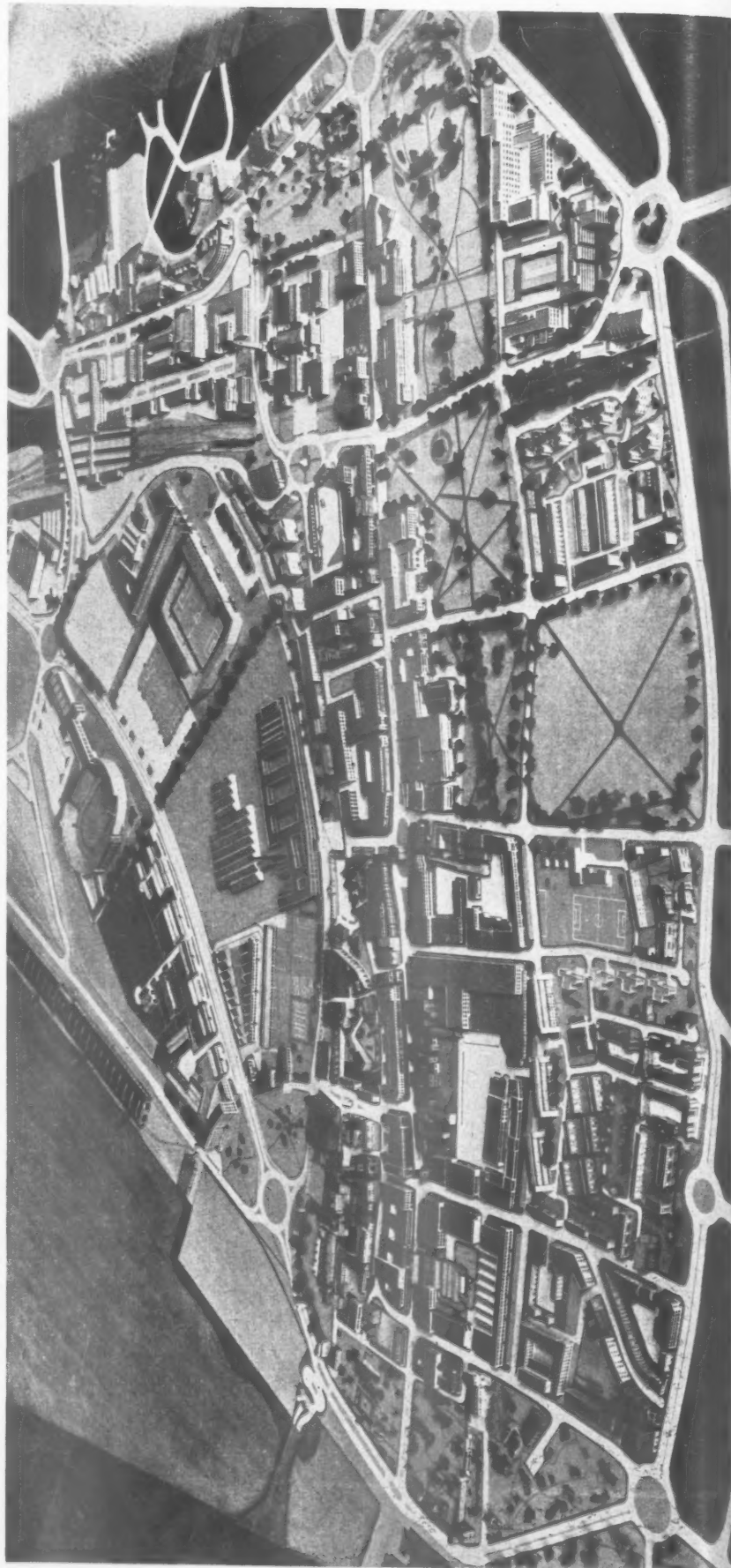
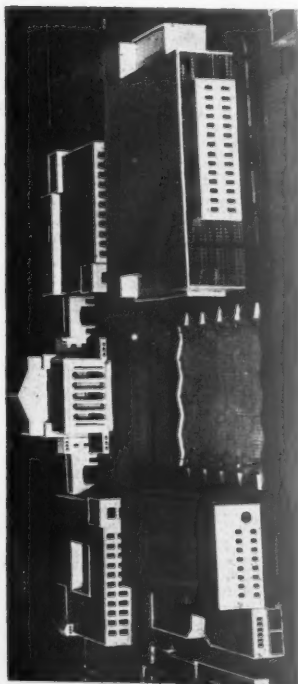


Left is a prewar view of the congested centre of Southampton. On the left is the land reclaimed in the 'twenties, and the curving road which marks the line of the city wall. In the distance is the Civic Centre. Running vertically is the High Street divided from Above Bar Street by the Bargate. Since the photograph was taken the isolation of the Bargate was completed, before the war, by a road which skirts the west side of it. (Photograph : Aerofilms Ltd.). Below, a view of blitzed sites in the High Street.



CENTRAL AREA PROPOSALS

Below is a model of the proposals for the central area of Southampton. Off the photograph, on the left, are the Old Docks, at the top is part of the new docks, with, below it, part of the industrial estate on the made-up land and the proposed stadium and football ground on the right, where at present stands a power station. In the right foreground can be seen the flats designed by William Crabtree and illustrated on page 484. In the centre is the Bargate, still isolated, but on a differently shaped island, and in a curved setting already nicknamed the "wiped joint." Left of the Bargate is the old town, with many of the old buildings retained. On the extreme left, separating the Old Docks from the town, is an area of open space, dotted with the fine remains of the town walls, gates and towers. Such a ruthless exposure of this historic but crude masonry does not appear to be the best solution. Above the Bargate is the extensive Pirelli factory which although so close to the town centre, is considered impossible to move. On the left, is a model showing the present version of the proposed civic square on the main axis of the civic centre.



targ
to t
Out
whic
dest
part
incl
to n
A m
th
£1.6
abo
finis
re-a
£34.
seri
cons

reco
Sou
wher
reco
Aug
Arti
Dev
to th
This
mad
cove
in th
Six
in th
for
to th
Phys
heav
reco
of 2
buil
a ye
unde
Else
been
othe
mos
add
Sole

2.

2.

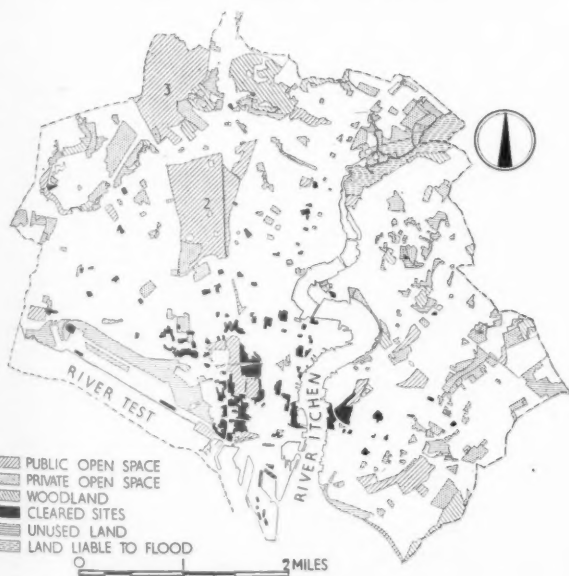
target for enemy air raids in the last war. From June, 1940, to the end of 1944 the town suffered the effects of 57 raids. Out of the total number of 43,468 domestic and other buildings which were affected seriously or slightly, 4,975 were totally destroyed. The commercial life suffered severely: the major part of the business and shopping centre was destroyed, including all the large departmental stores. Damage was done to many other commercial, industrial and public buildings. A measure of the destruction which occurred is that before the severe bombing the rateable value of the town stood at £1,675,000. War damage led to a reduction by £345,000, or about 20 per cent. In spite of the rebuilding which has been finished, and the additional rateable value accruing through re-assessments, the rateable value of the town is less by £34,000 than what it was prior to heavy bombing. This is a serious matter when the cost of outgoings has risen so considerably.

reconstruction

Southampton was the first town to have a reconstruction plan when it engaged the late Professor Adshead in 1942. But reconstruction in practice may be said to have begun in August, 1945, when the Town Council obtained powers under Article 5 of the Town and Country Planning (General Interim Development) Order, 1945, to vet all war-damage restitution to the value of over £100 in the most seriously affected areas. This was carried further in October, 1945, when the Minister made a Declaratory Order under Section 1 of the 1944 Act covering an area of 262 acres—514 acres had been asked for—in the commercial centre as subject to compulsory acquisition. Six Compulsory Purchase Orders covering a total of 7.89 acres in the area have been made, two for permanent redevelopment for shopping, the others for temporary shops and extensions to the central bus station.

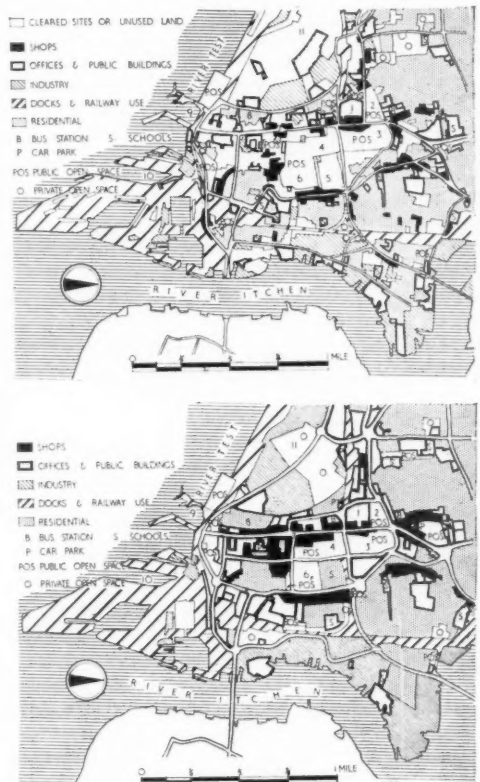
Physical rebuilding in the centre has gone on under the same heavy disabilities as in other bombed cities. Effective reconstruction began only in 1949 when the first steel allocation of 207 tons was made, which was enough for only one new building. The present limit for building licences is £375,000 a year; just sufficient for a trickle of new building to be under way.

Elsewhere in the town, by the end of 1951, 828 houses had been rebuilt under "Cost of Works" payment, and many others on "Value Payment" sites. Many public buildings, mostly schools, have also been repaired or have had new additions built, while some major undertakings, such as the Solent Flour Mills, have been completely rebuilt.



Building sites and open spaces. Key: 1. Central area parks, 2. The common, 3. Sports centre.

Right, plan of existing central area of Southampton, below right, plan of proposed central area. Key: 1. Civic Centre, 2. West Park, 3. East Park, 4. Kingsland, 5. Kingsland Housing site, 6. Hoglands, 7. Bargate, 8. Old Southampton, 9. Town Quay, 10. Ocean Dock, 11. Reclaimed Land.



central area

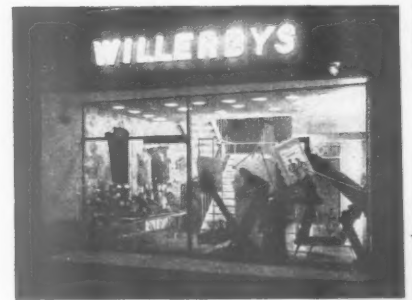
There is an unusual simplicity about the layout of the Central area; it could be described as an example of internal ribbon development, measuring a mile long and $\frac{1}{4}$ mile wide, lying on either side of High Street from the Town Quay to Bargate, and similarly above Bargate on either side of Above Bar Street as far as the northern side of East and West Parks. While East Street is of importance as a shopping centre, and in Above Bar there is a spur of development towards the Central railway station (which ultimately will be balanced on the other side by a new group of local authority buildings and a non-residential college) nevertheless, there is no escaping the force of the north-south axis.

Within the central area the outstanding features are the surviving parts of the old walled town, the open spaces already referred to—Hoglands, Kingsland, East Park, West Park—and, between these and the area of reclaimed land on the west are sandwiched the buildings on which the Borough Treasurer so largely relies for piling up his rateable values. Down in the south-west corner of this central area there are to be found the principal survivals of mediaeval Southampton. Among the ancient monuments and historical buildings the old town walls are most imposing in appearance; they have about them a solidity and massiveness which is eminently satisfactory, and they form, too, a strong horizontal line which seems to be appropriate for building in low-lying Southampton. Behind the walls is the traditional higgledy-piggledy arrangement of old town building with its assortment of shapes, skylines, and facing materials, but all united within a general harmony of scale. So far as possible, part of this old town area is to be maintained, but part is in time to be rebuilt for housing purposes. This area of the old town, with a fine south-west aspect over the river, could well be made a test case for trying to tempt back some higher income-group housing into the town centre. Such housing, carefully and closely related to the town walls and ancient monuments (which should not be left exposed in a municipal park, as shown in the model on page 482) could bring some vital life back into what will otherwise slowly become even more of a depressed area, or even worse, an area without residential



BUILDINGS DESIGNED

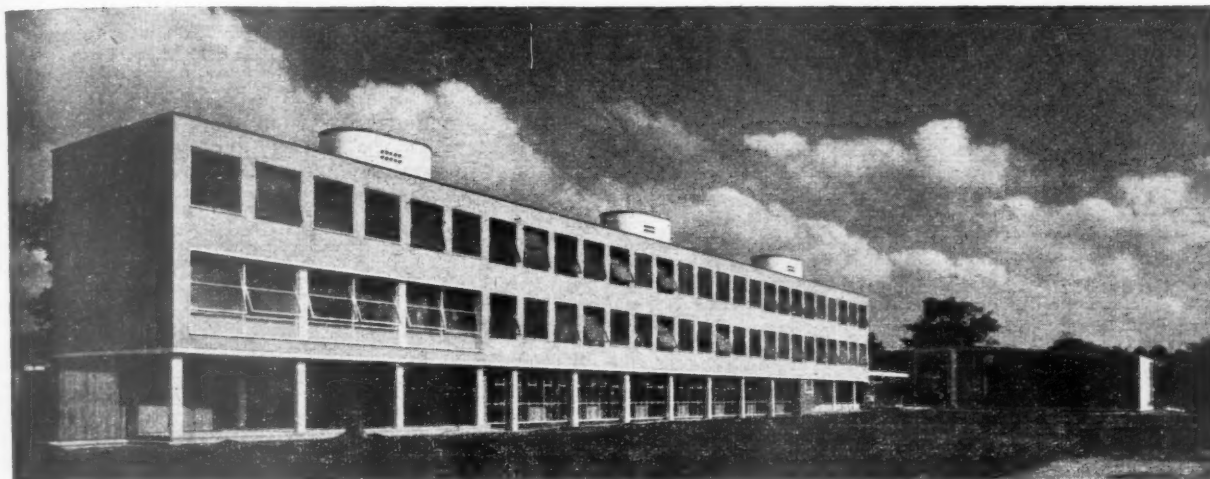
On the extreme left, premises for British Home Stores, designed by George Coles, of London. Construction: steel frame, precast concrete floors and roof, cavity brick walls, Portland stone facing to street elevation. Floor area: 23,400 sq. ft. Left, premises for Marks & Spencer, Ltd., designed by James M. Monro & Son, of London. Construction: steel frame, hollow tile floors, stone facing to street elevation. Below left, the rear elevation of the above stores. The co-ordinating architect, acting for the Southampton Corporation, was Rowland Pierce. Each building took approximately twelve months from start to completion. Below, shop for Willerby & Co., Ltd., designed by C. J. Epril & Associates, of London. This shop is next to the Marks & Spencer store shown above. It is a two-storey building, with salesrooms on both floors. It was built in the remarkable time of three months, due to the outstanding co-operation of the general contractor.



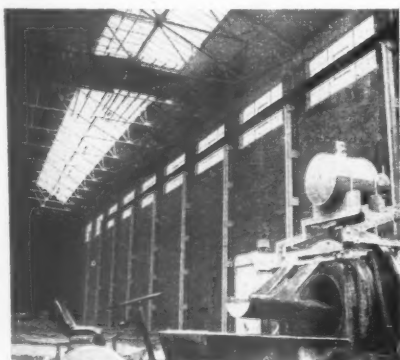
Above, call stand and office for the National Dock Labour Board, designed by A. J. Seal & Partners, of Bournemouth. Above right, offices and printing works for Southern Newspapers, Ltd., by Ellis Clarke & Gallanaugh, of London. Above, extreme right, telephone exchange, designed by the MOW Architect's Department. Right, flats and 3-storey terrace houses in the central area, designed by William Crabtree, of London.



BY ARCHITECTS WITH OFFICES OUTSIDE SOUTHAMPTON



Above, the three-form entry junior school at Millbrook, the new housing estate on the western fringe of Southampton, designed by E. D. Lyons and L. Israel of London. Right, an infants' school at Tanners Brook, a suburb on the north-west of Southampton, designed by Oswald P. Milne and A. Underhill, of London. Below, the interior of a factory being reconstructed and extended for General Motors, Ltd., by Howard, Souster & Partners, of London. Below right, the reconstruction of the Solent Mills for Messrs. Joseph Rank, Ltd., by Gelder & Kitchen, of Hull.



life at all—a no man's land of warehouses between sea-front and town.

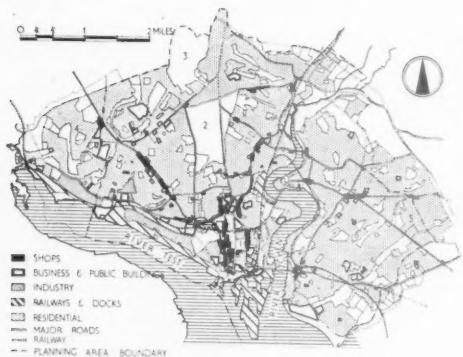
According to the present intentions, the aim is to rebuild along Above Bar Street as a continuous frontage to the maximum extent. The Council had a plan for laying out a civic way between the Guildhall, which has at present no direct access to Above Bar Street, and the proposed new Council buildings to the east. This would have entailed making a fairly short break in the shopping frontage on both sides of the street. A public inquiry was held and the Minister has allowed the break to be made on the west side when the present temporary shops come down, but that on the east side has not been retained. All that remains of this conception is the opportunity one day of laying out a small square between Guildhall and Above Bar Street. This revised plan for a square is shown by the detail model on page 482.

scale

A monumental order of architecture does not seem to be needed in Southampton. One of the pleasant features of the town is the domestic scale of so much of the buildings. This is complemented by the vastness of the scale of the ships which call and of the long low lines of the dock buildings. Yet the new shops (see page 484) in Above Bar Street not only have a change in scale between their front and rear elevations, but, by comparison with the modest temporary shops in the same street (see page 492) appear unnecessarily pretentious.

developers and values

With present building costs neither the small local trader nor the multiple firm are anxious to build other than modest



The town of Southampton as proposed. Key:
 1. Hoglands, 2. The Common, 3. Sports Centre, 4. Millbrook, 5. Harefield, 6. New Docks.

single- or two-storey shops. Post-war experience with temporary shops has proved that turnover is not always adversely affected by lack of space. It would, therefore, be unfortunate if, due to mistaken ideas on the desirability, on visual grounds, of high buildings, traders were persuaded to build to greater heights than they need.

As regards the possibility of using the upper floors as offices for professional men, not only is there a considerable reluctance on the part of the professional men to leave his pleasant semi-suburban office, or Regency terrace, for the high rents of the central shopping area, but with street frontage values in the region of £1,000 per foot run traders want every inch of space for shopping frontage, and are reluctant to sacrifice a few thousand pounds for a doorway to serve offices on the upper floor.

ownerships

The Council started reconstruction by acquiring compulsorily a group of sites and seeing to it that they were redeveloped as a whole. Its current policy is to avoid, where possible, compulsory acquisition and to encourage developers to combine for planning and building and to agree where necessary to adjust site boundaries for the sake of an improved building layout. Even where a co-ordinating architect has been appointed, inevitably, with such a scheme, the architectural expression will differ from the case where the ultimate responsibility is in the hands of the Council alone.

development plan

As Southampton is a county borough the town council is the planning authority for the area it administers. Needless to say, however, the geographical area of Southampton spreads beyond the county borough boundaries, although it has been agreed that in 1954 Southampton should be granted a boundary extension to take in these suburban areas, which indeed, are so largely the scenes of the council's own current housing activities. As the urban area is more or less split into two unequal halves by the Itchen and as the town centre

is so much off centre, there is little doubt that Southampton has expanded in area as far as it ever should.

One of the striking features of the existing plan is that despite the fine existing open spaces, seventy-five per cent. of the population live more than a quarter of a mile from the nearest public open space. The council are trying to rectify this, and also to open the river banks for public enjoyment. In its present state the banks of the Itchen are an untidy clutter of yards and warehouses, but they could, with careful planning, become a visually exciting feature of the town.

roads

The intention is to relieve traffic congestion in the centre by road widening, to give improved access to the docks from all quarters, and enable dock traffic to avoid entirely Above Bar Street and London Road. The long term aim is to build a new Docks road east of the Hoglands. The development plan makes a reservation for this to avoid allowing new, expensive industrial buildings being erected on the site in the interim. A final decision to construct this road will not be taken until the effect of the new Northam Bridge and other road improvements as well as of a possible new bridge on the site of the floating bridge has been considered. The latter would be an expensive undertaking, but it would, surely, be of advantage to all. These road proposals in their arrangement of roundabouts, especially, remind one of the more spacious days of pre-1947, so it will be interesting to see if they will be carried out.

housing post-war

In the post-war years up to 1952, 5,380 dwellings had been built. In 1946 the main preoccupation was still the erection of temporary pre-fabs.—over 1,700 were put up and only 59 new permanent houses were finished at that time, apart from 93 war damaged houses rebuilt. However, the rate during 1952 broke all known records in Southampton as a few over 1,600 houses were finished—1,332 by the local authority and 276 by private enterprise. Approximately half the number of houses built since 1946 are sited outside the present boundary. The two principal estates which the local authority is building are Harefield on the east, with 1,242 dwellings (half finished), and Millbrook on the west, with 3,289 dwellings (also half finished). The overall target of 11,320 houses for the next twenty years is approximately the equivalent of the number of houses built between 1929-39 in Southampton. This estimate is based on the assumption that the housing list will diminish as time goes on. So far, since the war, it appears that the housing list has not been reduced by anything like the same amount as the number of families on the list who have been housed in the same period. The whole development plan is based on the estimate that by 1971: the population of the extended Borough will be 209,000; and within the present borough, in spite of the movement outwards, there will actually be an increase from 176,200 to about 177,000 owing to the natural increases expected. Net housing densities of up to 100 habitable rooms to the acre will be allowed in the central area.

In 1950 the housing-architects section was transferred from the Borough Architect to the Borough Engineer. This came about following the election of a Ratepayers, or Conservative council, instead of a Socialist one. As a result of this political change local builders were more co-operative and, together with the organising ability of the Engineer, the housing rate has risen steadily. The housing-architects under the Engineer have insured that quality has not been unduly sacrificed for quantity, but nevertheless, in principal, housing, and housing layouts should be under the Borough Architect, however understanding and sympathetic the Borough Engineer may be, and it is to be hoped that when the immediate housing needs have been met, that the housing-architects section will be transferred back to the Borough Architect. In the long run quality of design in architecture can only be maintained by having a man trained in design in charge. And, in the long run, it is by the quality of the housing, and not its quantity, that it will be judged.



A view of the very fine sports centre.

Any study of post-war building in blitzed cities divides into two sections, that undertaken by architects in private practice and that done by the public authorities. On pages 488-490 are shown the work of the three main public bodies concerned with the development of Southampton: the Borough Architect's office, the Borough Engineer and Surveyor's office, and, last, but not least, the Docks Engineer's office.

THE PUBLIC ARCHITECT AND ENGINEER IN SOUTHAMPTON



BOROUGH ARCHITECT

LEON BERGER.—Born in 1908, in Liverpool, he started his architectural career articled to a private firm and studying at the Technical School in the evenings. When Professor Reilly saw his work, however, he insisted on Berger going to the Liverpool school. On qualifying in 1932, he worked in a private office before joining the Liverpool Housing Department under Sir Lancelot Keay. During the war in the RE's. Became deputy architect to Southampton, under Denis Winston in 1945. Became borough architect in 1948, when Winston left. He is shown left, above, with his senior planning officer, R. J. COLES—who was also trained at Liverpool. Mr. Coles went to Southampton in 1946, having been architect and planning officer to Newry, a small town in Northern Ireland. The bottom three photographs are of A. E. Carter, left, deputy borough architect; A. C. Dewey, centre, branch architect, schools; and F. Winward, branch architect, general.



BOROUGH ENGINEER

F. L. WOOLDRIDGE.—Articled to the borough engineer of Wolverhampton, his home town, Mr. Wooldridge has spent all his working life in public office. After qualifying, he went to Dudley, then Birmingham, then, as deputy borough engineer and surveyor, to Huddersfield and later, as borough engineer and surveyor, to Barrow-in-Furness, before coming to Southampton. He has been responsible for all housing work since 1950, as well as designing the roads and sewers and maintaining public open spaces. He runs a direct labour force for all maintenance work not done by contract, a paper salvage plant, the sports centre (in his spare time) and he is putting a five span prestressed concrete bridge over the Itchen.



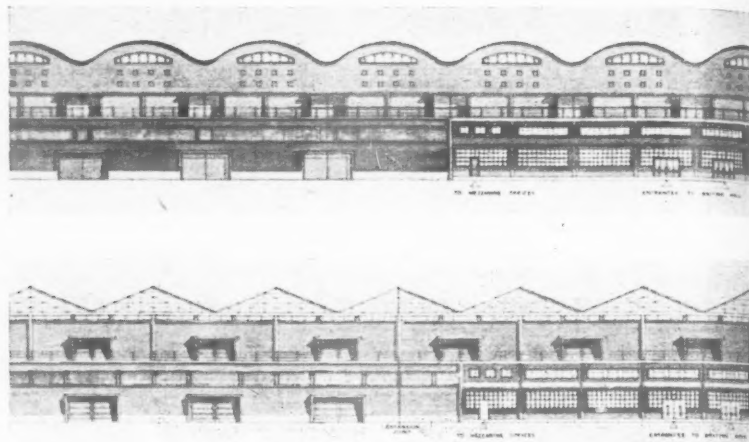
DOCKS ENGINEER

J. H. JELLETT.—Worked for twelve years for the Admiralty in Chatham, Singapore and Malta before coming to Southampton as engineer to the Docks and Inland Waterways Executive. He is responsible for the planning and layout in the dock area; and runs a maintenance staff of about 500 men. He has a small architect's department in his office, of which E. C. W. B. DROMGOOLE is the senior architect. He is shown, left, standing beside the Southampton Ocean Terminal, which he designed. His further designs for a second Terminal building are shown overleaf. Articled to a private firm, he worked only in private practice until 1945, when he joined Southampton Docks.





Above, a canteen under construction in the Dock area, designed by R. G. Rogers of the Dock Engineer's office. Right, alternative elevations for a proposed transit shed in the New Docks, designed by E. C. W. B. Dromgoole, of the Dock Engineer's office. The top elevation, with a wavy parapet wall concealing umbrella trusses, was rejected by the Royal Fine Arts Commission. The bottom elevation has finally been approved. (Only a small section of the quay elevation is shown.)

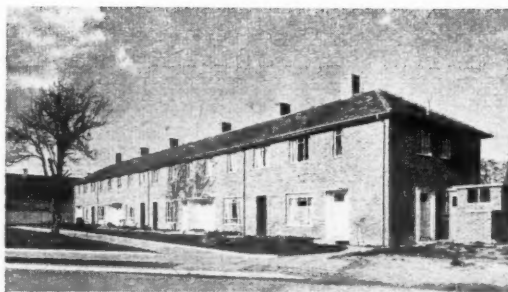


The old people's home, shown below, provides accommodation for thirty married couples, together with a communal block and warden's flat. It is at Millbrook, the new housing estate on the western fringe of Southampton. Designed in the Borough Architect's Department, in 1949, before housing was transferred to the Borough Engineer's Department, it was awarded the Housing Medal in 1951. The three blocks face south, over a large open green, and are linked by covered ways. Access to the first floor flats is by balconies. The view, left, shows the three-storey flats, at right angles to the homes, which were built after the transfer of housing to the Engineer's Department. The Borough Architect's Department had intended to put up flats (with flat roofs, brick facings and balconies) which would match the character of the old people's home.





Above and right, two views of terrace housing on the Millbrook estate. Both schemes were carried out when housing was in the Borough Architect's Department.



Left, three-storey flats, below, a terrace of two-storey houses, and right, a general view of the housing estate at Harefield, on the eastern fringe of the town. This estate is now being developed by the Borough Engineer's Department.



HOUSING

designed by the BOROUGH ENGINEER'S
and BOROUGH ARCHITECT'S
DEPARTMENTS



Above, a block of shops at Millbrook, and below, a detail of an elegantly designed staircase which gives access to the flats over the shops. (These shops were designed in the Borough Engineer's Department.) Above right, a public library at Maybush. A temporary building which has nevertheless been very carefully handled.



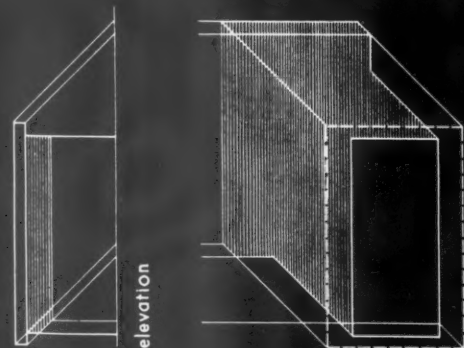
Above right, the Beech Avenue Junior School, built on an extremely restricted site. Centre right, the Weston Park County Primary (Junior and Infants) School. Bottom right, the Heathfield County Primary School. All three schools have been designed by the Borough Architect's Department.



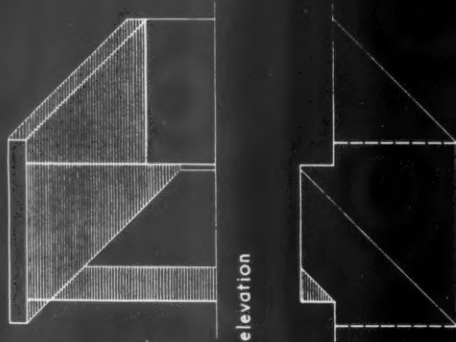
SHOPS AND SCHOOLS

designed by the BOROUGH ENGINEER'S and BOROUGH ARCHITECT'S DEPARTMENTS

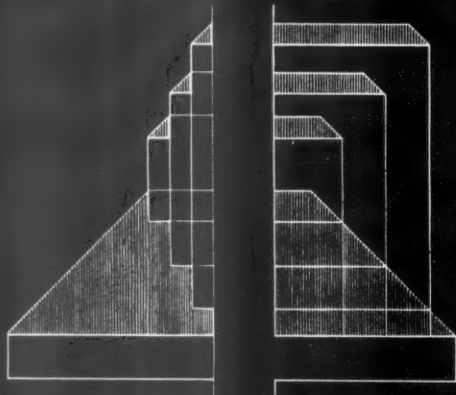




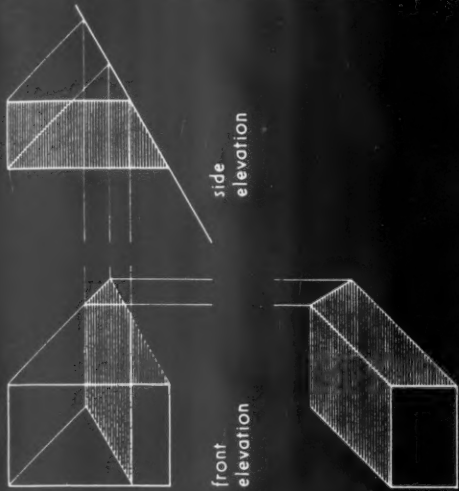
OVERHANGING ROOF.



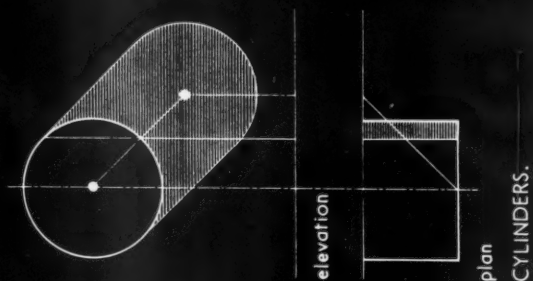
RECESS AND HOOD.



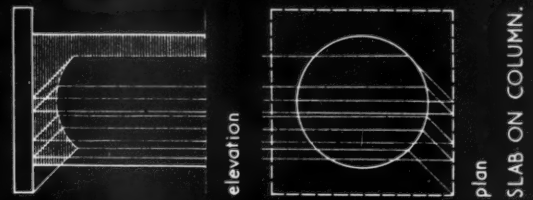
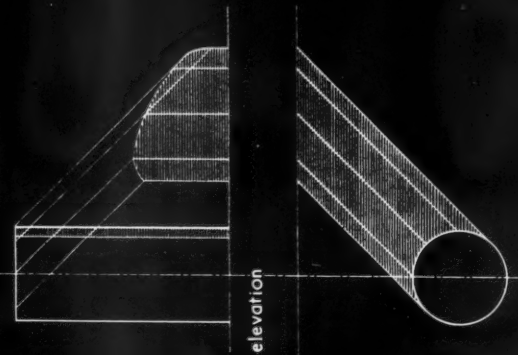
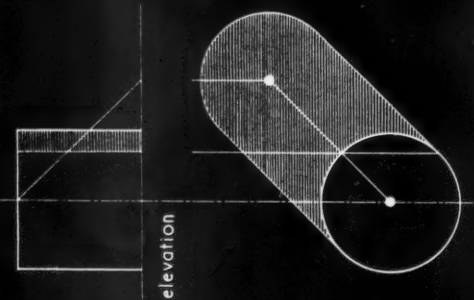
WALL AND STEPS.



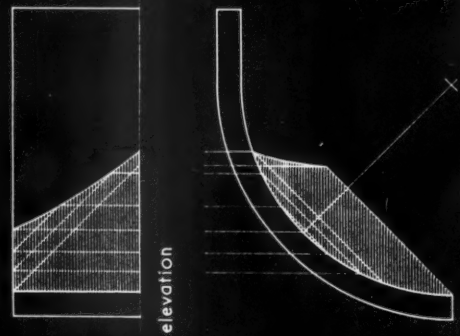
CHIMNEY STACK ON ROOF SLOPE.



CYLINDERS.



SLAB ON COLUMN.



CURVED WALL.

1.B56 SHADOW PROJECTION ON PLANE AND SINGLE-CURVED SURFACES

This Sheet, one of a series on sciagraphy, describes the principles of shadow projection on solid forms and illustrates their application to plane and single-curved surfaces.

General

The method of construction used is similar to that described on Sheet 1.B55. The principle depends on finding the shadow position of salient points from which the outline of the shadow may be drawn.

In most of the examples shown it is possible to plot the shades and shadows from the plan and elevation alone. With the chimney stack casting its shadow on a sloping roof surface, however, it is necessary to draw a side elevation to obtain the level of the shadow on the inclined roof.

Solids with Plane Surfaces

The first example shows a rectangular building with an overhanging roof. It will be seen that the depth of shadow from the roof on the wall surface is equal to the overhang and that the extent of the shadow of the building on the ground is governed by the top of the roof thickness.

In the second example part of the shadow from the projecting hood falls in the recess. This being behind the wall face the shadow falls to a lower level there than on the wall face.

The shadow cast by a wall on a flight of steps may, in the example given, be drawn from the plan and elevation alone. In more complex examples the construction is simplified if a side elevation is drawn, from which it is easy to determine the position of any irregular-shaped shadow on the steps. It should be noted that on the plan the shadow cast by the vertical edge of wall is a continuous 45° line irrespective of the levels of the surfaces on which it falls.

Sloping surfaces: The chimney casting its shadow on a pitched roof must be drawn in side elevation to

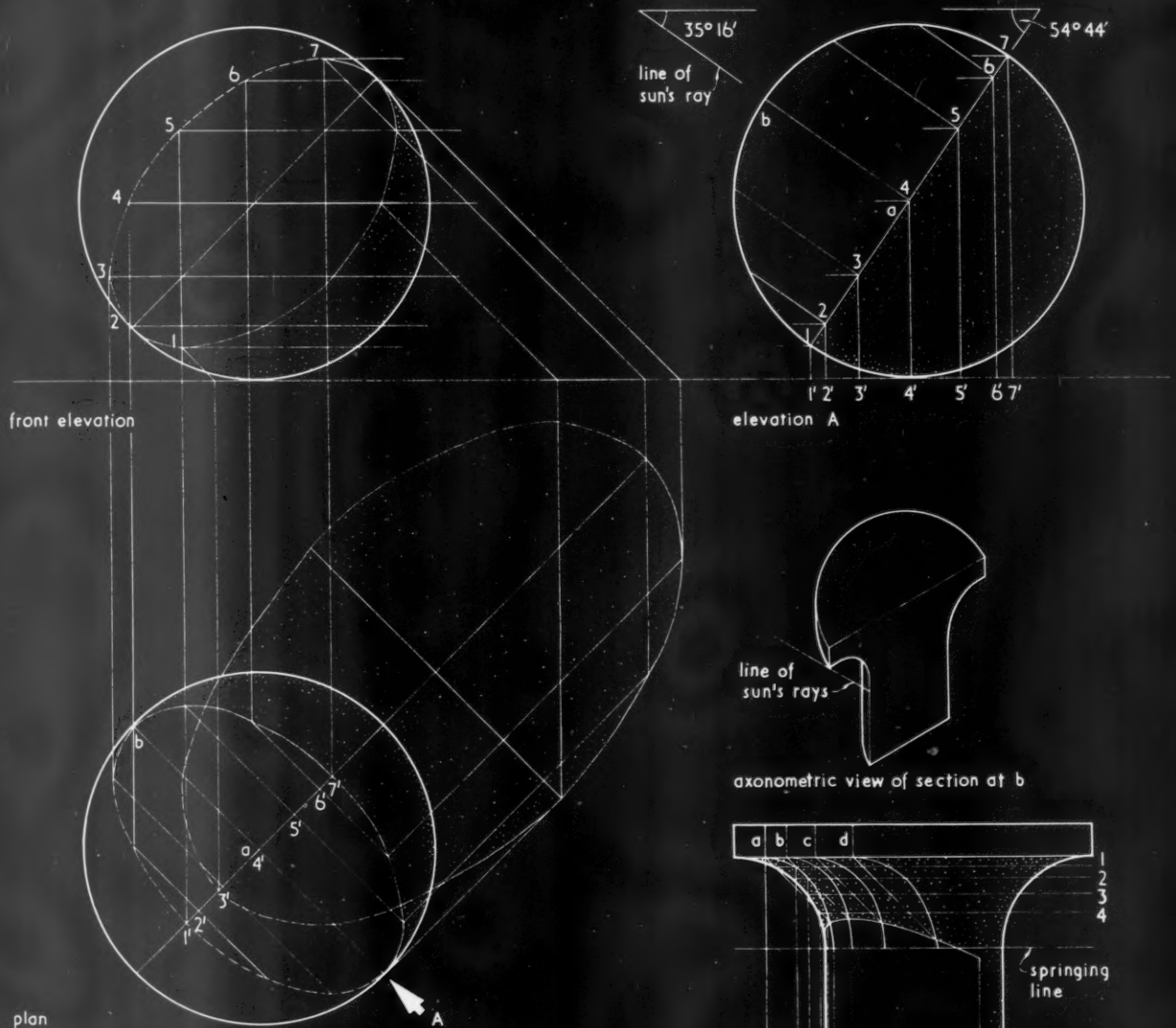
find the levels at which the shadow strikes the roof. These points are then projected back to the main elevation to intersect 45° lines drawn from the top of the stack, thus locating the shadow on the roof slope. From the salient points of this shadow lines are projected vertically to intersect 45° lines drawn from the plan of the stack, giving the outline of the shadow on the roof surface.

Solids with Single-curved Surfaces

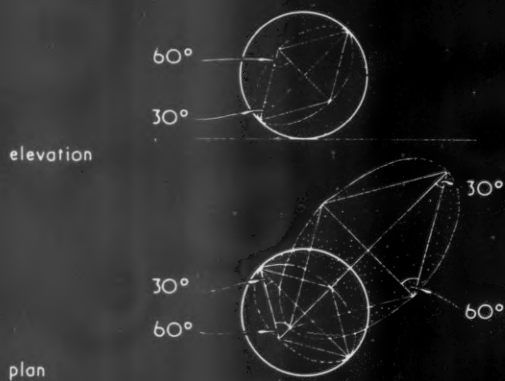
Where a shadow falls on a surface that is curved in one direction only, e.g., cylinders, curved walls, the method of construction already described is used. Although the limit of the shade is shown by a line on each drawing, in fact there would be no sudden change from shade to light, but a gradual diminution of shade towards the part of the curve facing the sun.

Cylinders: With cylindrical shapes the curved portion of the shadow is found in the same way as for circular planes and the shadows of the sides of the cylinder are cast to join the curve. A strip of shade occurs on the side beyond the 45° tangent line. In the illustration showing a flat slab resting on top of a column, the slab casts a shadow on to the cylinder. Points are chosen anywhere on the front edge of the slab and their shadow positions are plotted on the cylinder. By joining these points a curved shadow is found which merges with the shade to the right.

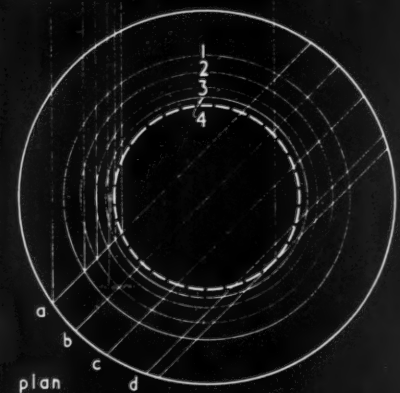
Curved wall: The last example shows the shadow cast by a curved wall. The beginning of the shadow at the top of the wall in the elevation is found by projecting a line vertically from the 45° tangent on plan. Other points are chosen on the top edge of the wall and their shadow positions found. Through these the shadow is drawn on the elevation. The curved part of the shadow on the ground will follow the same curve as that of the wall, the top edge of the wall being parallel to the ground.



SPHERE: METHOD I.



SPHERE: METHOD 2.



ABSTRACT SOLID.

1.B57 SHADOW PROJECTION ON DOUBLE-CURVED SURFACES

This Sheet one of a series on sciagraphy, describes the application of three methods of shadow projection to double-curved surfaces.

General

When drawing shades and shadows on solids with double-curved surfaces it is not possible to find the shadow position of points by the method described on Sheets 1.B55 and 1.B56, as the surface of the solid is not fully represented in plan and elevation. Various methods of construction may be used for plotting points to define the outlines of the shadows. The limit of the shade is shown by a line on each drawing, but in fact there would be no sudden change from shade to light, but a gradual diminution of shade towards the part of the solid facing the sun.

Sphere : Method 1

The first example illustrates one method of construction that may be used to find the shadows of a sphere.

An elevation of the sphere facing in a direction at 90° to the sun's rays on plan is drawn, so that the edge of the shade is a straight line across the sphere at an angle of $54^\circ 44'$ to the horizontal, i.e. perpendicular to the true angle of the sun's rays. On this line various points (1 to 7 on drawing) are chosen. Verticals are dropped from these points to the ground level and their position transferred to the plan as shown. Lines at right angles to this axis are then drawn. On elevation A, lines parallel to the sun's rays are drawn through points 1 to 7 to the edge of the sphere, giving their distances from the axis. (The part of elevation A above the axis now represents a half elevation of the sphere drawn from the direction of the sun's rays.) Points are marked at these distances along the lines already drawn on plan which, when joined, give the elliptical outline of the shade.

Through each of these points verticals are projected to the front elevation to intersect horizontal lines drawn across from each of the points on elevation A. A line drawn through these points gives the elliptical shade on elevation.

The shadow of the sphere on the ground is found by simple projection (shown on Sheet 1.B55) i.e. by plotting the shadow of points on the lines of shade in plan and elevation.

There is a method of construction, (similar to that described below for abstract solids) in which a number of ellipses have to be drawn, but it is less simple to use and requires a far greater degree of accuracy.

Sphere : Method 2

A quick method for obtaining the ellipses described in Method 1 is as follows. On both plan and elevation the 45° axes are drawn and about these triangles constructed as shown. These give the major and minor axes on which each of the ellipses forming the shades may be drawn.

The major axis of the elliptical shadow on the ground is found by obtaining the shadows of the highest and lowest points of the shade in the elevation. The minor axis may be found by setting up triangles, as shown, on the major axis.

Abstract Solid

This method may be used for shadow projection on any solid with a double-curved surface. The principle consists in taking sections parallel to the sun's rays through the solid on plan. These are then projected on to the elevation and give the shadow points for each on the surface of the solid: the axonometric view of the section at *b* illustrates the basis for this assumption.

Example : On the elevation a number of horizontal zones or contour lines (1 to 4 on drawing) are drawn at convenient levels above the springing line of the double-curved surface. These are projected to the plan and section lines at *a*, *b*, *c* and *d* are also drawn on the plan. At the points where the section line at *a* intersects the cap, the zones and the cylindrical portion of the solid, verticals are projected to cut the respective zone lines on the elevation. Through the points of intersection a line is drawn giving the elevation of the section at *a*. From the overhanging portion a 45° line is drawn to cut the section at a lower level, giving the limiting point of the shadow. This is repeated for each of the other sections and through the points obtained the outline of the shadow may be drawn. It will be seen that to the right the shadow of the overhang merges with the shade on the cylindrical portion of the solid.

The short account, below, of the architects in Southampton was written after an all-too-brief visit to the town. It serves as an introduction to the following thirteen pages, in which are illustrated some of the post-war work done in and around Southampton by the architectural firms practising in the town. In addition, brief biographical notes are given of the principals and partners who run these practices.

THE PRIVATE ARCHITECTS AND THEIR POST-WAR WORK IN SOUTHAMPTON

STRANGELY enough the architects in Southampton are as much as other professional men. They do not inject into Southampton society that element of bohemia of which architects in other towns are capable of producing. There are no beards, few corduroys, and even the rare bow tie is sombre. There is no particular street which is filled with architects' offices, as in Bristol and Liverpool, and there is no particular club to which they all belong. They have no permanent headquarters for their Chapter and there is no local School of Architecture. It is, perhaps, the absence of an architectural school which causes the professional sobriety of the Southampton architect.

The local Chapter, however, of the Hants and Isle of Wight Architectural Association is rapidly coming alive under its chairman, Jack Brandt. With only fifty or so architects in the town the scope of such a society is obviously limited. Not all the Southampton architects are members either, for it will be realised that many of the architects in public office who are not living in their home town and who are waiting for an opportunity to flit elsewhere in their search for promotion (an appalling symptom of the public office) have little incentive to fork up a subscription to a society in which they may not long remain. Yet even without full membership the Chapter has a most important rôle. It is the only place, outside the office, where junior and senior architects can meet, albeit unwittingly, and discuss current issues, and its success gives the lie to any implication that the absence of bohemian trappings means that Southampton architects are insensitive to the vital tasks of their profession, and ignorant of their contribution to society.

a paper read

At the last annual general meeting of the Chapter a paper was read by John Saunders on "The professional association and its relationship with the private practitioner." It is the custom to hold Chapter meetings in turn at the various pubs and hotels in and around the town. Such a custom provides a change of scene, and an opportunity to see different localities and to sample different beers. This meeting was held at the Belmont Hotel, about two miles from the centre. About thirty members attended. Here, the business of an AGM was conducted before the paper was read. The future visits were announced—to Fawley and the Solent Flour Mills—and a cricket match against the Western Chapter. Loel Berger, the Borough Architect, appealed for better support for the society—particularly by younger members, who should speak freely. "They have nothing to lose, except," he added in an aside, "their jobs." The Hon. Treasurer then made his report. Not, he said, a very cheerful thing, receipts, £88 14s. 10d.; credit, £8 1s. 6d. A free tea cost £4 7s. 6d., and a dance caused a loss of £3. There was so little scope, he concluded with a sigh, for any fiddle.

A proposal was put forward that in future, the paper read at the meetings should be circulated in advance, and the proposal was quashed because it was thought unfair on speakers that people could come and ask questions "having looked up the answers."

John Saunders' paper, which then followed, was an interesting and rarely heard argument for a much more active

part to be played, partly by the RIBA, but especially by the local architectural society, in support of the private architect. The first task of the local society, he said, was to educate the general public and tell them the purpose of the architect. (The RIBA has anticipated just this request by its travelling exhibition and pamphlets.) Second, the Society should agree a scale of charges with local spec. builders for the provision by architects of plans and a non-supervisory specification. Third, the Society should liaise closely with the local authority, to ensure that the local architects' services are used fully and to the best advantage. As a first step, a list of the names of local architects should be hung in the licensing department. Fourth, the Society should act as a PRO to ensure that architects were named in the local Press when their buildings were published. Fifth, the local societies should not act "like little RIBA's" but send circulars among the rank and file members to tell them of all that goes on.

Such arguments, while no doubt calculated to raise eyebrows in Portland Place, have a certain validity today, when it is imperative that the influence of the architect should penetrate into every corner of the building field, and there is no doubt that in rural districts, such as can be found on the outskirts of towns like Southampton, councils are still largely unaware of the advantages of employing an architect.

the young assistant

There is a School of Art in Southampton, and it has about twenty-five day and evening architectural students. Those who wish to attend a full-time course go to the Portsmouth School of Architecture, and quite a few of the assistants in Southampton offices are graduates from the Portsmouth school. There are also a number who have trained up to intermediate standard at Portsmouth and are sitting their finals externally, meanwhile working as assistants in Southampton offices. There is also in Southampton a School of Building, a first-rate provincial school run most imaginatively. The subject is treated surprisingly broadly, with ceaseless experimenting and research. With Southampton University concentrating on engineering, and with this lively school of building, it is unfortunate that the only school of architecture in the area was started at Portsmouth, instead of completing the builder-designer team in Southampton.

in harmony

There is one aspect of the Southampton architects which has not been mentioned so far, and that is the good and friendly relations which seem to exist amongst them all to a really marked extent. Although, compared with pre-war days, the number of firms in the town has doubled, no animosity has been expressed against the relative newcomers to the town. Nor, and this is no doubt largely due to the charm and personality of the Borough Architect, Leon Berger, is there any real animosity between public and private architects. Such harmony amongst men often in competition with each other speaks for itself. It does not prevent frank architectural criticism amongst themselves, and it does give an impression of professional unity to the outsider which is refreshing to meet.

BRIAN L. SUTCLIFFE AND PARTNERS

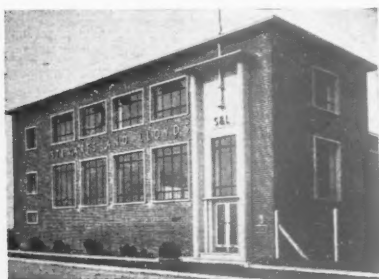
architects in private practice in SOUTHAMPTON



JOHN B. BRANDT.—The Southampton partner of this London firm is the Chairman of the Central Chapter of the Hampshire and Isle of Wight Architectural Association. Born in Kenya, he was trained at the AA from 1927-32, and until the war was in private practice and planning consultant to an

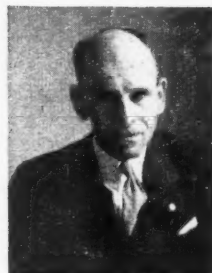
estate owner. During the war was in RA and with MOW. In 1945, he joined Brian L. Sutcliffe. Is interested in heraldry, period furniture, landscape. Lives in a house he designed for himself. Used to play rugger (wing three-quarter) for Rosslyn Park.

Post-war buildings designed by Brian L. Sutcliffe and Partners. Above, right, flats in Archers Road. Right, temporary shops, Above Bar. Below, offices and warehouse at West Quay Road. Bottom, laboratories for the Southampton Dental Laboratories, Ltd.

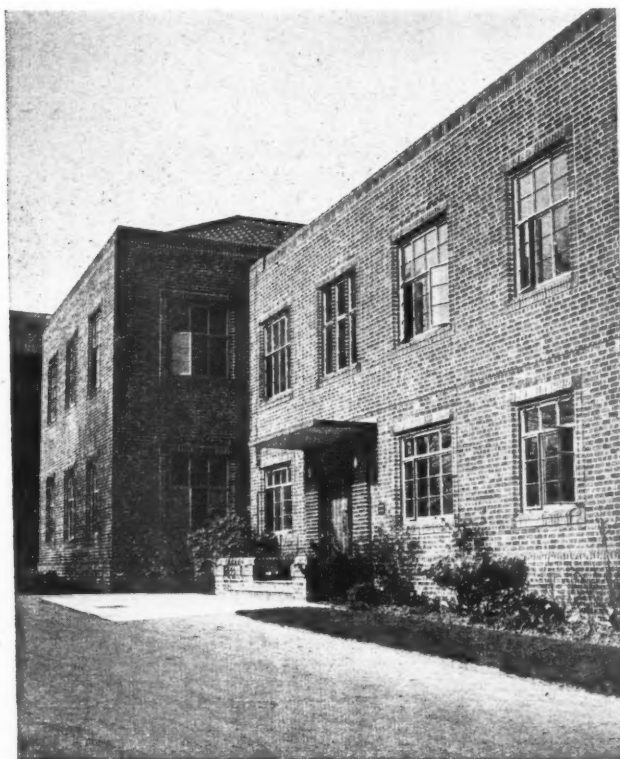
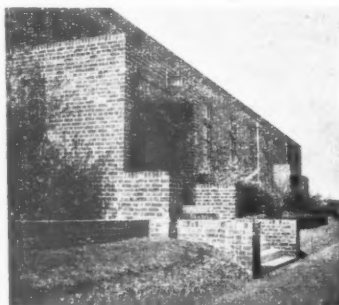


GUTTERIDGE AND GUTTERIDGE

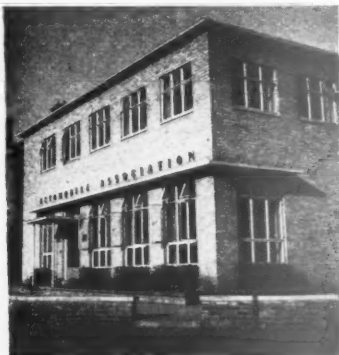
architects in private practice in SOUTHAMPTON



R. F. GUTTERIDGE.—Extreme left, the grand old man of Southampton architects. Southampton born and bred, he was articled to his father and started a correspondence course, taking his exams externally in 1909. He has been principal of the firm since 1919, the year in which his father died. The firm was originally called Mitchell, Son & Gutteridge, and was started by W. H. Mitchell in 1854, so that next year it will be celebrating its centenary. Col. Gutteridge himself has been with the firm for over fifty years. All his life he has been closely connected with the Army. A Territorial in 1906, he was overseas from 1914 to 1919, in the Far East, during the major part of which he was second-in-command of the 5th Hants. He remained in the TA until 1924, and rejoined his regiment in 1939, when he commanded the 13th battalion for eighteen months. His major work has always been in connection with the Southampton University, and he has earned a considerable reputation for the economy with which he has been able to provide the large amount of accommodation required. He has made a life-long study of brickwork, and he has used brick throughout the university buildings, mainly a local hand-made brick



Left, from top to bottom, the zoology department, assembly hall and gymnasium, and chemistry block of Southampton University. Above right, the university's new Institute of Education.



Above, top to bottom, offices for the Automobile Association; a drill hall for the Territorial Army near Fareham; the rear elevation of a department store for E. Mayes & Son, Ltd., of which the main elevation is shown above right. (See also JOURNAL for December 13, 1951) Below two views of the new Hall of Residence for Southampton University at Glen Eyre, Bassett.

which measures five courses to the foot, giving a pattern he much prefers to the normal one. He has made a bold use of brick internally—all dados in the university are of exposed brickwork. Col. Gutteridge is an enthusiastic carpenter—at the moment he is experimenting with some of the new hardwoods. He is married, with one son, who is a partner, and he and his wife are both keen water colourists, Mrs. Gutteridge being somewhat the better.



H. G. HAYTER, shown bottom right in the group of portraits on the previous page, has been all his life with the firm; and became a partner in 1949.

G. F. GUTTERIDGE, (top right, page 493) son of Col. Gutteridge, received his architectural training at Cambridge. Is a keen sailor. Has built boats and now plans to build his own house.



COLLINS AND CALTON

architects in private practice in
SOUTHAMPTON



Above, reading from top to bottom, a doctor's house at Bassett Green Road, Southampton; a temporary school at Thornhill; housing on the Coxford and Romsey Road estate. Below, two views of housing on the Grange Farm estate, Swaythling.

HERBERT COLLINS.—Born a Londoner, and trained at the AA (qualified 1926), Herbert Collins (above right) set up in practice in Southampton, where his father, who was a builder, had connections. He has designed some of the finest pre-war housing estates in the southern counties, notably Orchard Close (shown on page 481). He helped to found the Swaythling Housing Society, a non-profitmaking housing association. Has continued designing housing estates since the war, and is also converting a war-damaged thirteenth century manor house into flats. His office is situated in a four-storey stucco Regency terrace. In his spare time sails on the Hamble (complains of pollution from Fawley refinery) and sketches in water colours.

J. NORMAN CALTON.—A Sussex man, articled to a Hastings firm, he came as assistant to Mr. Collins in 1939. In the Engineers during the war, he rejoined Mr. Collins in 1946. He is married, with two children, and his hobby is making models.



FOWLER GROVE AND HAGGAR

architects in private practice in SOUTHAMPTON



JOHN FOWLER.—Above left, was born in Norfolk. He was articled in 1919 to A. F. Scott & Sons, a Norwich firm. He then moved to W. J. Williams, of Leicester—the firm which won the Leicester fire station competition in 1925. Then followed work with firms at Peterborough and Middlesbrough before joining the Southampton Engineer's Department in 1930, as schools architect. In 1945 he decided to try private practice. His first job was housing for Stockbridge RDC, a job which he thinks he got chiefly because of all the architects on the short list he was the only one who had just read the RIBA's newly published scale of charges for State-aided houses, and could therefore tell the Council what it would cost them to employ an architect. John Fowler met his future partners in the Southampton Borough Engineer's office, and kept in touch with them during the war. When they returned from war service in 1945 and 1946, he had already started his practice, in two rooms in Portland



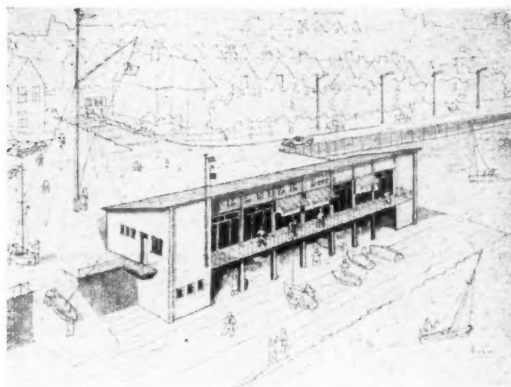
Extreme left; top, housing at Chilworth, bottom, and left, housing at Lockerley. Above left, and above, top, blocks of eighteen and nine flats at Highfield. Above, part of an extension to Tauntons School.



Terrace, and "they had only to walk in." He is married, plays golf and paints water colours.

EDWARD GROVE.—Centre, opposite, is a Hampshire man. He was first articled to an uncle, and later went to London to work with what was then the Office of Works. One reason for moving was to attend a London architectural school. He then moved to the MOH, and from there to the Middlesex CC before returning to Southampton, this time to work in the Borough Engineer's Department, in 1938. He joined the Royal Engineers in 1939 and served in India, Abyssinia, Egypt, the Sudan, Iraq and Berlin. He joined Mr. Fowler in 1945. He lives in Winchester, in a 1907 Baillie-Scott house, and is a keen gardner and member of the Winchester Music Club.

ALAN HAGGAR.—Born in Ipswich, he went from school to a local office before joining the East Suffolk CC under C. G. Stillman in 1930. He moved to Sussex, with C. G. Stillman, in 1936, and finally went to the Southampton Borough Engineer's Department in 1939, where he met his present partners. When the war started he joined the RE, and served in North Africa and Italy, receiving the MBE. He joined John Fowler and Edward Grove in 1946. Married, with one daughter, he enjoys serious music, beer and biographies.



Top, main elevation of a factory at Millbrook. Right, reading from top to bottom, a proposed yacht and boathouse at St. Denys, Southampton; a bar for a pub at Potters Heron; detail of redevelopment of London Road, shown in full below.





ERNEST BIRD

architect in private practice in SOUTHAMPTON

ERNEST BIRD—One of the oldest of the Southampton architects, he carries out a practice from his home in a terrace of Regency houses overlooking the parks in the centre of the town. He is the architect, with E. M. Galloway, of the offices for the Halifax Building Society shown below left. Much of the rest of his work is concerned with repairs, maintenance and additions to the nearby Beaulieu estate. During the war he worked for the MOW, looking after ancient monuments. Ernest Bird was born in Newcastle, and, in his own words, is "salt all the way through." Both grandfathers were sea captains, and of his three brothers, two are sailors and the third is also an architect. He went to London in 1905, to obtain the sought-for London experience—equipped with a sheaf of sketches under his arm, a top hat and a tail coat. He worked for the firm Cheston & Perkin, one of his jobs being the detailing of Hatchard's bookshop in Piccadilly. He came to Southampton in 1910, starting on his own in 1921. Plays golf, collects books and water colours, and used to sing—principally ballads of the '90's. Like many a northerner, he was once a staunch Jacobite, and still feels that the north of England is more romantic than the south. He has had a long association with the Army. From 1900-03 in the Northumberland Hussars, in the Royal Artillery from 1915-19, and from 1921-30 in the TA.

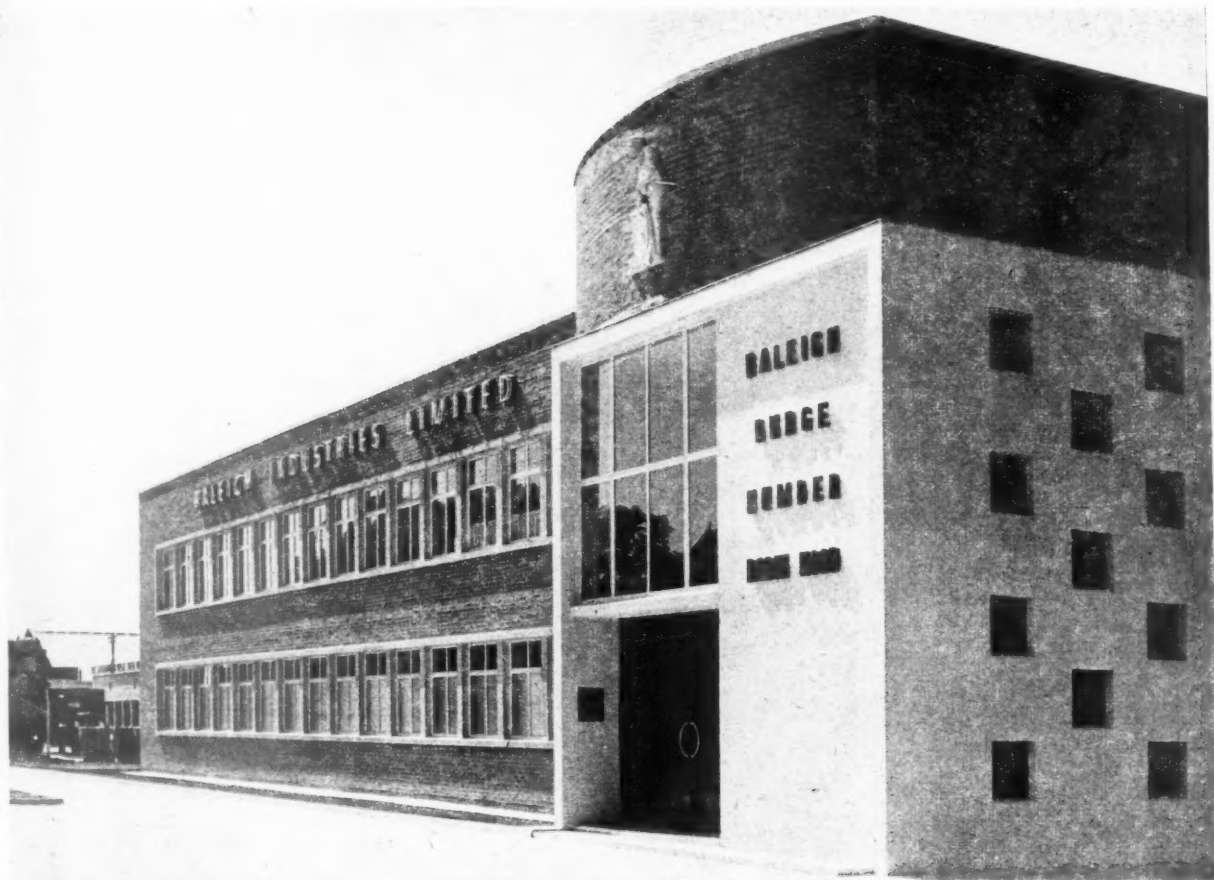


E. M. GALLOWAY

architect in private practice in SOUTHAMPTON

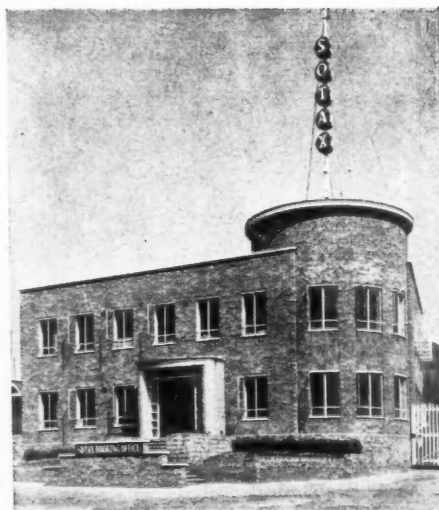


E. M. GALLOWAY.—Like Mr. Bird, above, Mr. Galloway comes from the North—but rather more so. He was born at Brechin, Scotland, where his father had a practice. He trained at Aberdeen—at the architectural school for three years, attending an office in the town during the holidays. After three years, he went full-time into an office and went to evening school. He took his finals exams.—again, in the evenings, at the end of six years, qualifying in 1935. Hearing, through a friend, of a job at Slough, he came south and got it. Later he transferred to the architects' department of Carter Paterson.



Above, depot for Raleigh Industries, Ltd., at Millbrook. Below, left, E. M. Galloway's house at Bassett. Below right, offices for a car hire company.

During the war he was in the TA (anti-aircraft). His attempt to transfer to the Engineers was not successful. He started his practice in Southampton in 1946, and has a small office in Portland Street, one of the old Regency terraces in the centre of the town. His work includes offices for the Halifax Building Society, opposite, which he has designed in association with Ernest Bird. Married, with two children, he has designed and built his own house (see below) and is at present struggling to make a garden. He is a member of the Southampton Round Table Society.





Above, Scullards Restaurant, designed by Bernard H. Dale and partners, under construction in Above Bar Street, a continuation of the main street of the town. Below left, the Red Lion, the oldest pub in Southampton, which has been repaired following war damage. Below right, Bernard H. Dale's house, Wellow. Bottom right, a pub, the Sir Walter Tyrrell, at Canterton, Hants.



BERNARD H. DALE AND PARTNERS

architects in private practice in
SOUTHAMPTON



BERNARD H. DALE.—In addition to running a practice in partnership with P. G. Tutte, he takes an active part in public life, being on the Southampton Borough Council and a member of the Town Planning Committee. Also, for two days of a very full seven-day week, he works on his 100-acre mixed farm. Here his interest is in putting up—with the help of unskilled labour—farm buildings, leaving the running of the farm to a farm manager. He started in architecture as an articled pupil, studying at an art school and by a correspondence course. Eventually he set up his own practice—with a cottage and a pub to design. In three months he took on an assistant, who eventually became his partner. In the war he handed over his practice to two local architects and joined the Royal Engineers, going to Calcutta, Burma and New Delhi. He is married, with no children. Before the war he played hockey for Southampton. As a councillor (Ratepayers' Party) he is satisfied that some progress is at last being made in the rebuilding of the town, but feels that "nowhere near enough has been done."



WESTON, BURNETT AND THORNE

architects in private practice in
SOUTHAMPTON

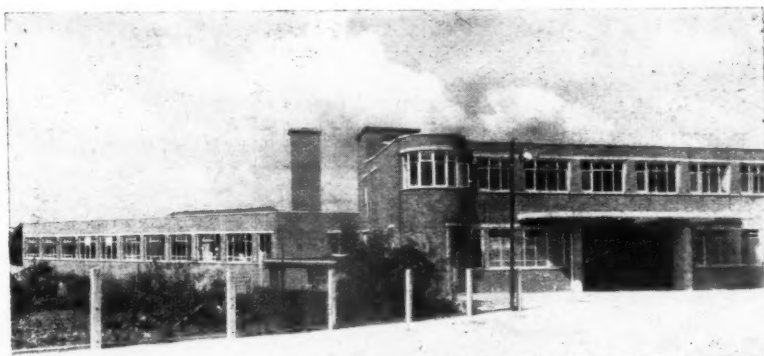
GORDON L. THORNE.—Of the original firm, founded in 1888 by H. J. Weston, Gordon Thorne, above left, is the sole surviving partner. He became a partner in 1921, and Burnett died in 1924 and Weston in 1928. In the early days the firm did a great deal of civil engineering, and Gordon Thorne joined as the architectural assistant in 1912. The practice is largely a commercial one—factories and shops, although at the time they were working for four or five brewers, and they now have a fair amount of church work. Before the war the firm

had its office in Portland Street, in the centre of the town, but it was blitzed in 1940 and Gordon Thorne continued the practice—with practically no staff—from his home. The present office, a typical large red brick villa, was bought in 1945. It is in an area zoned as residential, but Gordon Thorne “expects we shall have a fight and try and remain here.”

L. F. KIMBER.—Right, above, had his own small private practice in Southampton—he was articled to a local architect—before joining Mr. Thorne in 1938.



Left, new showrooms for the Southern Gas Board. Below left, a shop in the High Street, Below, factory at St. Denys; bottom, hall for the Congregational Church, Freemantle.



Church for the Elin Four Square Gospel Alliance, the first totally destroyed church to be rebuilt in Southampton.



W. H. SAUNDERS AND SON

architects in private practice in SOUTHAMPTON

J. H. SAUNDERS.—The firm was started in 1922 by his father, W. H. Saunders, who has now largely retired from active practice. John Saunders was articled to his father and completed his training at the Southampton School of Arts, which is now part of the School of Architecture, Southern College of Art, whose principal, A. C. Townsend, is also associated with the firm. There are branch offices at Jersey, Coventry and Portsmouth, the last office being run by R. W. Leggatt, one of the partners. The Southampton office is one of the largest in the town, with a staff, including clerical staff, of about twenty. If the branch offices are included, the total is about forty. The

firm largely designs factories and commercial buildings, but it is responsible for many churches and pubs in Portsmouth, and for several schools in Coventry. The branch office in Coventry has only been open for eighteen months. John Saunders is married, with two children. Heavily-built, pipe-smoking, and keen on riding, he has a down-to-earth manner which suggests that rare attribute of the architect, a shrewd business sense. When he relaxes from architecture he likes to travel. He has been to France more than anywhere else, but has also been to Spain and Italy. When abroad he goes in search of knowledge—not primarily of architecture, but of other people and other customs.

Garage and service station for commercial vehicles at Millbrook.





**I tell you — by switching to
Finlock Gutters you'll save
£15 a house** (*says Mr. Fin*)

—and 3 days' construction time (*says Mr. Lock*)

EVERY time FINLOCK pre-cast concrete gutters are used a FINLOCK expert is ready to give advice and assistance. He'll take off his coat if need be, and give practical help as well!

He is a highly qualified technician and an essential member of the FINLOCK team which ensures that we don't just "supply gutters" but see that everybody is really satisfied—right through the job.

That is why the FINLOCK service is so admired by every customer we have—and that number is growing every day as this modern system is adopted by more and more architects and builders.

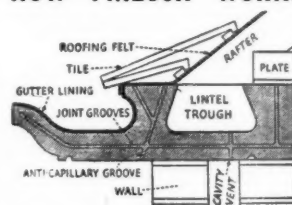
FINLOCK GUTTERS LIMITED

20 ST. JOHN'S ROAD, TUNBRIDGE WELLS, KENT (Head Office)

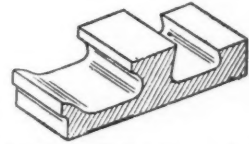
Telephone : Tunbridge Wells 20396/7/8

7 WORKS FOR SPEEDY DELIVERIES TO ANY PART OF GT. BRITAIN. IN DEVONSHIRE, LEEDS, YORKSHIRE; EDINBURGH, SCOTLAND; CWMBRAN, S. WALES; ROYSTON, HERTS; TUNBRIDGE WELLS, KENT; BELFAST, NORTHERN IRELAND

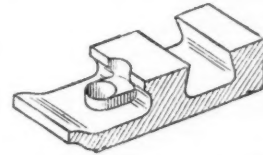
HOW FINLOCK WORKS



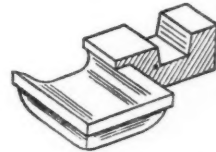
This sectional drawing shows the system in detail and illustrates the ways in which FINLOCK saves approx. 5 yards of brickwork, 80ft. of rafter, 40ft. of normal guttering, 40ft. of fascia, 40ft. of soffit and 80ft. super of roof tiling per single house. Painting is eliminated and a reduction in down pipes and drainage is obtained. The complete eaves for a building, with all fittings, can be fixed in one day. Some typical FINLOCK units are shown on the right:—



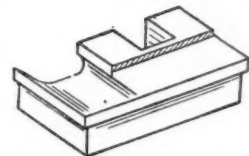
Finlock "N" Type Gutter block enabling lintels to be cast *in situ* if required.



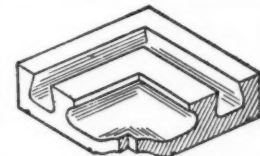
Finlock "G" Type Gutter block enabling lintels to be cast *in situ* if required, but illustrating soil vent.



A typical standard stopped end for use on gable end walls, available for all type Gutters.



Illustrating a flush stopped end where this is also made with moulded return, available for all type Gutters.



Illustrates the typical internal angle for use with all Gutters. External angles also available.

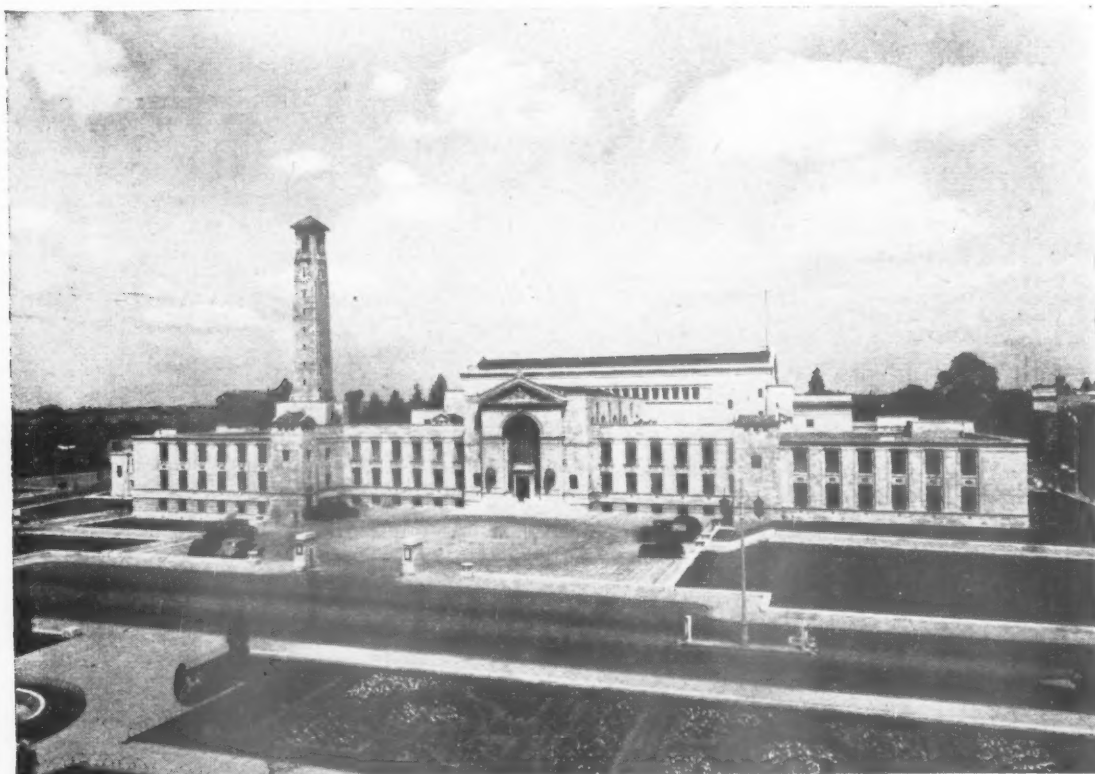


Illustrating a special Gutter for quick curves. We manufacture fittings for special purposes to order.

*Fully descriptive
booklet gladly
supplied on request
from Head Office*

(A.J. Information Sheet No. 33010)

DH



ARCHITECT: E. BERRY WEBBER F.R.I.B.A

SOUTHAMPTON CIVIC CENTRE

METAL WINDOWS & ENTRANCE DOORS
LIBRARY BOOKSTACKS &
MOVABLE PARTITIONS

by



LUXFER LIMITED

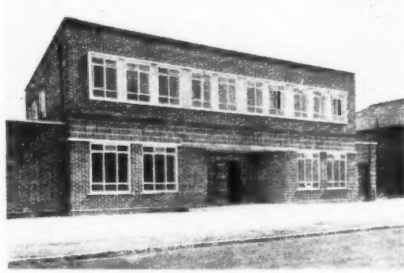
WAXLOW ROAD
Telephone: ELGAR 7292

HARLES DEN LONDON N.W.10
Telegrams: LUXFER, HARLES, LONDON

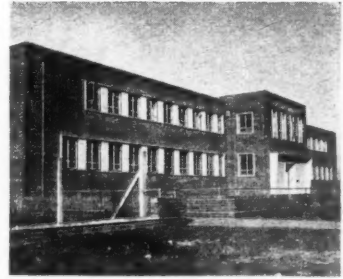
Some of the post-war work by W. H. Saunders & Son. 1. Department store, with flats over; a steel-framed building with concrete floors and roof and brick walls. 2. Office block for Elliott Bros. 3. Offices and headquarters for wholesaler supplying ship's shops. Built in the Corporation's trading estate on reclaimed land, it has 40-ft. piles and a steel frame. 4. Warehouse, also on reclaimed land, for C. G. Hibbert & Co., Ltd. 5. Factory and offices for Taplins Auto Electric, Ltd. 6. Bakery for Southwell, Ltd. 7. Offices for Leicester Lovell & Co., Ltd., glue manufacturers. 8. Factory for Parsons Engineering Co., Ltd., under construction. 9. Factory for Dent, Allcroft & Co., Ltd., glove manufacturers. 10. Reconstruction of shop-front for White & Co., Ltd. 11. A cats and dogs home and hospital for Our Dumb Friend's League, consisting of kennels, cages, administrative block, mortuary, lethal chamber, kitchen, offices and garage. 12. Offices for Burnley Building Society.



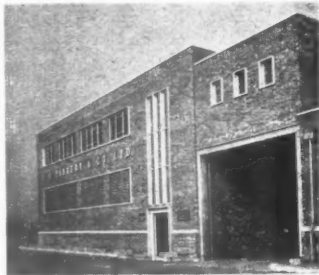
1



2



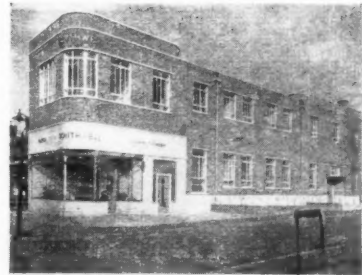
3



4



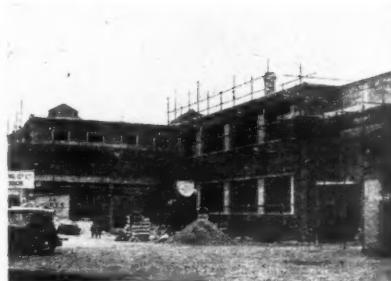
5



6



7



8



9



10



11



12



MANDER BROTHERS LTD.

Makers of Varnishes & Fine Colours

This business was founded in 1773 by the Mander family. Members of the Sixth generation are active Directors of the present Company.

The world-wide reputation of Manders has been built up over a period of 180 years by sterling quality and service. The present factory is one of the most modern in the industry.

The latest addition to the Mander Range of Decorative materials is

MANDERLAC ENAMEL

It possesses outstanding qualities, in keeping with Manders' world-wide reputation.

For further information write to
MANDER BROTHERS LIMITED
WOLVERHAMPTON

R.
cha
J.
firm
tra
pra
Sq
pre
ple



HILL AND ALLUM

architects in private practice in SOUTHAMPTON

JOHN J. HILL, left, started his career articled to J. L. Denman, in Brighton, and became an associate in 1936. He only commenced practising in Southampton after the war.

R. G. ALLUM is a surveyor, and also a registered architect. He is a west country man, working first at Chard, before moving east, first to Lymington and then to Southampton in 1937, as chief assistant to W. H. Saunders. In 1940, he became resident architect to an industrial firm where John Hill was also working. After the war they went into practice together. The larger part of their practice is outside the town, with a considerable portion in Devon and Somerset. Typical of the firm's work in Southampton are the houses and the shop shown below. The five houses, left, are for Briggs Motor Bodies, Ltd., and have been designed to harmonize with a street of large Edwardian houses. The shop, right, is a war damage replacement of a blitzed property.

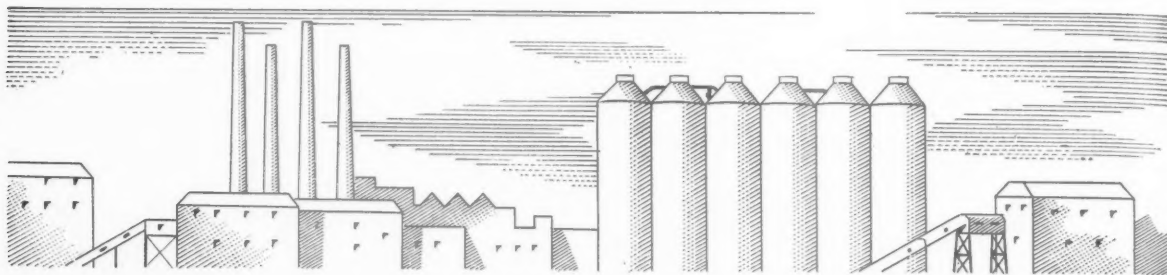


RAWLENCE AND SQUAREY

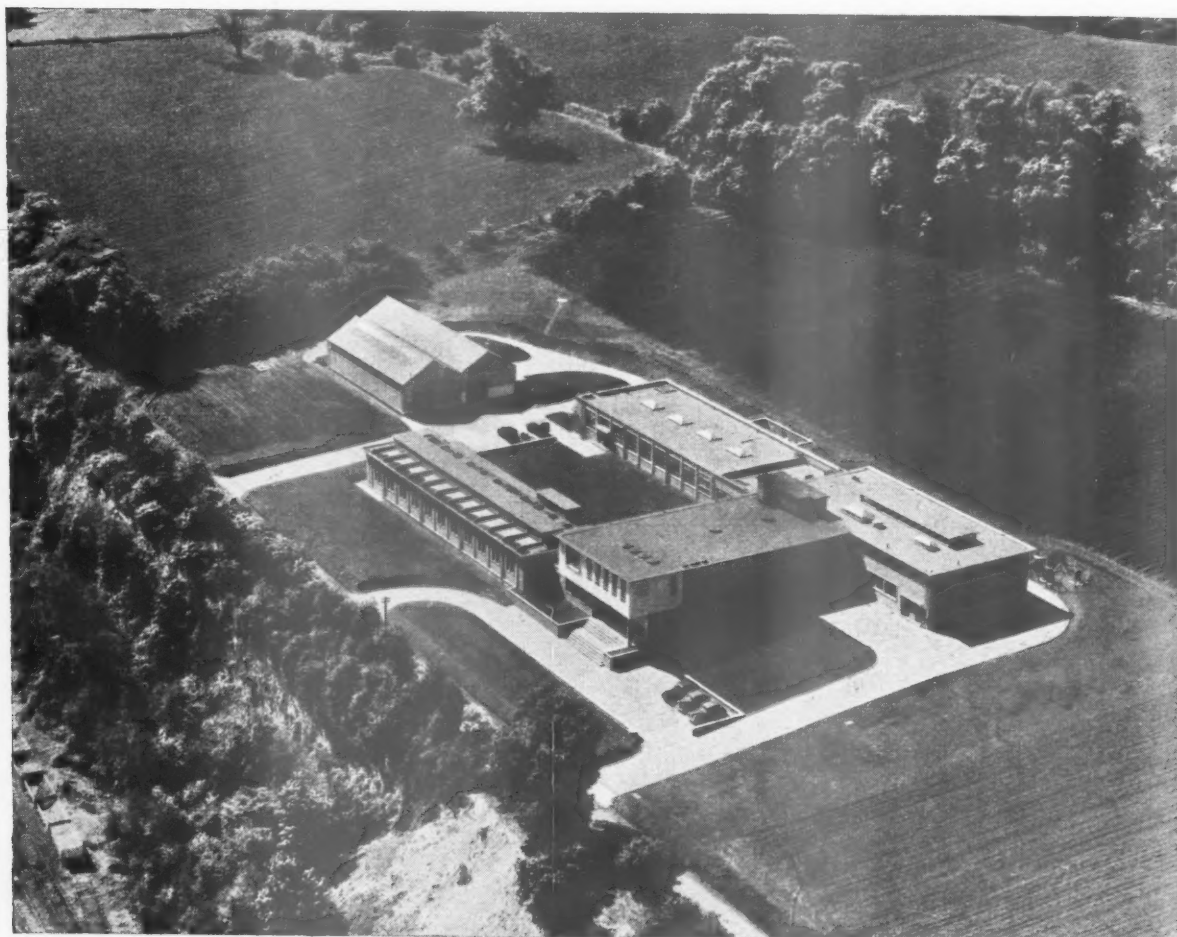
chartered surveyors in private practice in SOUTHAMPTON

J. W. READ shown above, runs a very small architectural department within the firm of Rawlence & Squarey, surveyors, land agents and valuers. Born, bred and trained in Southampton—he was articled to Burnett & Sons (now no longer in practice) in 1934. He took his finals externally in 1943 and joined Rawlence & Squarey in 1946. His work consists mainly of alterations and additions to business premises, hotels and farms. Above right is a small self-service store recently completed at Shirley, and right, a farmhouse at Marchwood.





Building for the Industries of the World



CEMENT

The new Research Laboratories of the Associated Portland Cement Manufacturers Ltd., recently constructed by Richard Costain Ltd. to the design of the Architects, Westwood, Sons & Harrison, FF.R.I.B.A.

RICHARD

COSTAIN
LIMITED

DOLPHIN SQUARE, LONDON, S.W.1

BUILDING & CIVIL ENGINEERING CONTRACTORS

VICTORIA 6624

Bui
Junio
463.
A.A.R.I.
R.C.
Myers.
electric
Jones
Lynn
floors,
steelwo
hot at
& You
Asph
Electr
built-u
Ltd.;
ware,
Enfelo
Manuf
Durafa
& Son
Ltd.;
Engli
Ltd.
& P
Cellul
etc.
E. G.
Schoo
of Son
P. M
Quant
contr
heatin
instal
tankin
Ltd.;
beams
Brigg
Willia
Horsl
Floor
saniti
Sons
artifi
J. W
of-Ar
Flow
South
& K
McAl
work
wind
asph
stone
Dies
rolle
doors
Ltd.
M.
Bros
and
esca
sani
Fac
Mot
Sous
cont
cont
& C
ing,
sell
Rein
Joyce
Ven
(Bo
Flo
Ltd
Co.
Ltd
Br
(Pa
in
Arc
& E
& S
Ltd
& J
An
& C
Pop
Cit
Pro
Da
lift
Ltd
Lic
col
Lic
Fer
Ltd
&
fro
roo
lat
ph
lin
Ki
de
tec
&
M
So
M.
for
dis
Ca

Buildings Illustrated

Junior School, Millbrook, Southampton. (Page 483.) Architects: E. D. Lyons & L. V. Israel, A.R.I.B.A. Quantity surveyors: Veale & Sanders, B.C. consulting engineers: Hajnal Konyi & Myers. Domestic hot & cold water, heating & electrical services, consulting engineers: Stinton Jones & Partners. General contractors: R. H. Lynn & Co. Ltd. Sub-contractors: structural floors, The Bath & Portland Stone Firms Ltd.; steelwork, Matthew T. Shaw & Co. Ltd.; domestic hot and cold water and heating, Young Austen & Young; asphalt & substructure tanking, Faldo Asphalt Co. Ltd.; electrical services, Newport Electricals Ltd.; Carda windows, Holcon Ltd.; built-up bituminous roofing, General Asphalt Co. Ltd.; ironmongery, Nettelford & Moser; sanitary ware, W. Dibbens & Sons Ltd.; artificial stone, Enfield Stone Co.; metal windows, Crittall Manufacturing Co. Ltd.; external site fencing, Durafencing Co.; wall and floor tiles, Carter & Sons Ltd.; roller-shutters, G. Brady & Co. Ltd.; asphaltic tiled pavings, Gabriel Wade & English; metal balustrades, Clarke Hunt & Co. Ltd.; teak wood block floor, The Acme Flooring & Paving Co. Ltd.; linoleum pavings, The Cellulose Flooring Co.; school cabinets, furniture, etc., Elington Industries Ltd. Photograph by E. G. Patience.

School at Tanners Brook for the County Borough of Southampton. (Page 483.) Architects: Oswald P. Milne, F.R.I.B.A., and A. Underhill, F.R.I.B.A. Quantity surveyors: Veale & Sanders. General contractors: Tersons Ltd. Sub-contractors: heating and hot water, Benham & Sons; electrical installation, H. C. Taplin & Sons; asphalt tanking, Limmer & Trinidad Lake Asphalt Co. Ltd.; steelwork, Aston Construction Co.; precast beams, Rapid Floors; felt roofing, etc., William Briggs & Co.; metal windows, Williams & Williams; wood block floors, Floorwoods Ltd.; Horsley Smith & Co.; corridor floors, Granwood Flooring Co.; cloakroom equipment, Potter Rax; sanitary fittings and ironmongery, W. Dibben & Sons Ltd.; insulating boarding, Tegel Ltd.; artificial stone, Croft Granite, Bagstaff, etc., J. W. Gray & Sons; partitions, Venesta; Coat-of-Arms plaque, Southampton School of Art.

Flour Mills for Messrs. Joseph Rank Ltd., Southampton. (Page 483.) Architects: Gelder & Kitchen. General contractors: Sir Robert McAlpine & Sons Ltd. Sub-contractors: steelwork erection, Samuel Butler & Co. Ltd.; metal windows, John Williams & Sons (Cardiff) Ltd.; asphalt paving, Val de Travers Asphalt Ltd.; stonework, Blokrete Co. Ltd.; terrazzo paving, Diespeler & Co. Ltd.; and O. Toffolo & Sons; roller shutters, G. Brady & Co. Ltd.; fireproof doors and sprinkler installation, Mather & Platt Ltd.; ironmongery, James Gibbons Ltd., and M. W. Dibben & Co.; hardwood floors, Hollis Bros. Ltd.; flooring, Ceders Ltd.; joinery work and fittings, P. H. Barker & Sons Ltd.; fire escape ladders, S. W. Farmer & Sons Ltd.; sanitary ware, Doulton & Co. Ltd.

Factory reconstruction and extension for General Motors Ltd. (Page 483.) Architects: Howard Souther (F.R.I.C.S./F.R.I.B.A.) & Partners. General contractors: W. T. Nicholls (Southern) Ltd. Sub-contractors: structural steelwork, Dorman Long & Co. Ltd.; roofing, Robertson Thain Ltd.; glazing, Mellows & Co. Ltd.; heating, Rosser & Russell Ltd.; floor fabric reinforcement, Twistell Reinforcement Ltd.; water mains and hydrants, Joyce Bros. Ltd.; metal faced plywood partitions, Venesta Ltd.; steel staircases, John Booth & Sons (Bolton) Ltd.; granolithic pavings, Johnson Bricks, Marston Valley Brick Co.; artificial stone, Blokrete Co. Ltd.; structural steel, Dawnays Ltd.; special roofings, R. W. Scott & Son Ltd.; roofing felt, Vulcanite Ltd.; patent flooring, Limmer & Trinidad Lake Asphalt Co.; Gabriel Wade & English Ltd.; The Cambridge Artificial Stone Co.; central heating, Young Austen & Young Ltd.; grates, The Falkirk Iron Co. Ltd.; boilers, Janitor Boilers Ltd.; electric wiring, Newport Electrics (Southampton) Ltd.; electric light fixtures, Walsall Conduits Ltd.; The Merchant Adventurers Ltd.; sanitary fittings, Wiggins Sankey Ltd.; door furniture, William Dibben & Son Ltd.; casements, Williams & Williams Ltd.; plaster, W. A. Telling (South Western) & Co.; metalwork, The C.P.C. Metal Works; textiles, Shepherd & Hedger; furniture, Shepherd & Hedger; garden furniture, Tyrrell & Green Ltd.; clocks, Smiths English Clocks.

British Home Stores, Above Bar, Southampton. (Page 485.) Architect: George Coles, F.R.I.B.A., in collaboration with A. Walker, L.R.I.B.A., Staff Architect. Consulting engineers: W. S. Atkins & Partners. Quantity surveyors: L. A. Francis & Sons. General contractors: H. Stevens & Co. Ltd. Sub-contractors: terrazzo, Art Pavement & Decorations Ltd.; marble fascia and linings, Anselm Odling & Sons, Ltd.; tiling, Carter & Co. (London) Ltd.; electrical fittings, Courtney Pope (Electrical) Ltd.; sanitary fittings, The City Iron Co. Ltd.; metal lettering, Chase Products (Engineering) Ltd.; structural steelwork, Dawnays Ltd.; paint, Goddard Wall & Co. Ltd.; lifts, J. & E. Hall Ltd.; roller shutters, Haywards Ltd.; clocks, International Time Recording Co. Ltd.; windows, W. James & Co. Ltd.; multi-coloured facing bricks, W. T. Lamb & Sons Ltd.; precast concrete floors and roof, London Ferro Concrete Co. Ltd.; rooflights, Lenscrete Ltd.; heating and venting, J. T. Meredith & Co. Ltd.; stonework, Morant Bros. Ltd.; shop front and shop fittings, Wm. Mason & Son Ltd.; roofing felt, Ruberoid Co. Ltd.; electrical installation, Star Electrical Co. Ltd.; internal telephones, Shipton & Co. Ltd.; rubber floors and linoleum, Semtex Ltd.; kitchen equipment, Staines Kitchen Equipment Co. Ltd.; suspended and decorative plasterwork, James Walker (Architectural Decorations) Ltd.; ironmongery, Yannedis & Co. Ltd.

Marks & Spencer Ltd's Store, Above Bar Street, Southampton. (Page 485.) Architects: James M. Monro & Son. Co-ordinating architect, acting for the Corporation: S. Rowland Pierce, F.R.I.B.A., DIST.P.T. Steelwork design: D. W. James-Carrington, B.S.C., M.I.STRUCT.E., A.M.I.NST.C.E.,

M.CON.S.E. Quantity surveyors: Gledes. General contractors: Bovis Ltd. Sub-contractors: structural steelwork, United Steel Structural Co. Ltd.; reinforced fire-resisting floors, Phillips Floors Ltd.; steel sashes, Crittall Manufacturing Co. Ltd.; natural stonework, South Western Stone Co. Ltd.; artificial stonework, Empire Stone Co. Ltd.; damp-proof courses, Wm. Briggs & Sons Ltd.; asphalt roofing and flooring, Ragusa Asphalt Paving Co. Ltd.; tanking, Quickset Water Sealers Ltd.; suspended ceilings, Steel Bracketing & Lathing Ltd., and Anderson Construction Co. Ltd.; pre-cast terrazzo floors and stairs, Art Pavements & Decorations Ltd.; granolithic floors, Johnson Floor Co. Ltd.; tiling, Carter & Co. (London) Ltd., and Summers & Co.; thermoplastic tiling, Semtex Ltd.; electrical wiring, W. J. Furse & Co. (London) Ltd.; sales floor electrical fittings, G.E.C. Ltd.; shop fronts, Holtum & Green Ltd.; marble, Anselm Odling & Co. Ltd.; plastering and fibrous plaster, Clark & Fenn Ltd.; goods lift, Pickering's Ltd.; heating, ventilation and hot water installation, C. J. Jackson & Co. Ltd.; shutter gate, Bolton Gate Co. Ltd.; rear sign, Chase Products Ltd.; internal telephones, Communication Systems Ltd.

Shop for Willerby & Co. Ltd., Above Bar Street, Southampton. (Page 485.) Architect: C. J. Epril, F.R.I.B.A., and Associates. General contractors: Bovis Ltd. Sub-contractors: shop fitting and interior fittings, J. F. Nott Ltd.; floor construction, Phillips Floors Ltd.; structural steelwork, Bannister Walton Ltd.; stone facing, South Western Stone Co. Ltd.; showroom staircase, Vipp Engineering Co. Ltd.; electrical installation, Leaf & Carver Ltd.; acoustic tiling, Horace W. Cullum Ltd.; metal windows, Senlac Metal Casements Ltd.; electric panel heating, Electric Panels Ltd.; illuminated fascia sign, Claude General Neon Lights Ltd.; electric light fittings, Courtney Pope (Electrical) Ltd.; wallpaper, John Lines Ltd.; paint, Duresco Products Ltd.; flooring, Semtex Ltd.; cork flooring, E. J. Elgood Ltd.; glass domes, T. & W. Ide Ltd.; carpets, J. Crossley & Sons Ltd.

Telephone Exchange, Southampton. (Page 485.) Architects: Ministry of Works, Architects' Department. General contractors: W. T. Chivers Ltd. Sub-contractors: steelwork, Redpath Brown Ltd.; asphalt tanking and roofing, Faldo & Co. Ltd.; metal windows, Senlac, Metal Casements Ltd.; hollow tile roof, Frazzi & Co. Ltd.; wood block floors, Viger Bros. Ltd.; terrazzo pavings, Marble Mosaic Co. Ltd.; suspended ceilings, Campbell Dennis Ltd.; heating and hot water installation, Adams & Adams; acoustics, Newells Insulation Co. Ltd.; lifts, Etchells, Congdon & Muir Ltd.; electrical installation, Taplins & Co.

Flats, Kingsland, Southampton. (Page 485.) Architect: William Crabtree, F.R.I.B.A., DIP. ARCH. General contractors: Frank Bilton (London) Ltd. Sub-contractors: hot and cold water installation, Matthew Hall & Co. Ltd.; plumbing, W. E. Preston & Sons; electrical, R. F. Webb Ltd.; joinery, Jayanbee Joinery Ltd.; paints, Harlands; ironmongery and balustrades, H. & C. Davis & Co. Ltd.; hollow pot floors, Caxton Floors Ltd.; fireplaces and surrounds, Bratt Colbran Ltd.; plastering, W. N. Youniss; metal windows, Henry Hope & Sons Ltd.; granolithic, A. Cristofoli & Son; special floors, Gabriel Wade & English Ltd.

Old People's Homes (City of Toronto) Millbrook, Southampton. (Page 488.) Architect: L. Berger, DIP. ARCH., A.R.I.B.A., Borough Architect. Quantity surveyors: G. W. Mitchell & Partner. General contractors: Brazier & Son Ltd. Sub-contractors: reinforced concrete, Jonathan Croad Ltd.; facing bricks, Marston Valley Brick Co.; artificial stone, Blokrete Co. Ltd.; structural steel, Dawnays Ltd.; special roofings, R. W. Scott & Son Ltd.; roofing felt, Vulcanite Ltd.; patent flooring, Limmer & Trinidad Lake Asphalt Co.; Gabriel Wade & English Ltd.; The Cambridge Artificial Stone Co.; central heating, Young Austen & Young Ltd.; grates, The Falkirk Iron Co. Ltd.; boilers, Janitor Boilers Ltd.; electric wiring, Newport Electrics (Southampton) Ltd.; electric light fixtures, Walsall Conduits Ltd.; The Merchant Adventurers Ltd.; sanitary fittings, Wiggins Sankey Ltd.; door furniture, William Dibben & Son Ltd.; casements, Williams & Williams Ltd.; plaster, W. A. Telling (South Western) & Co.; metalwork, The C.P.C. Metal Works; textiles, Shepherd & Hedger; furniture, Shepherd & Hedger; garden furniture, Tyrrell & Green Ltd.; clocks, Smiths English Clocks.

Library (Maybush Branch), Southampton. (Page 490.) Architect: L. Berger, DIP. ARCH., A.R.I.B.A., Borough Architect, Southampton. Quantity surveyor: B. F. Tite, F.R.I.B.A., Clerk of works: J. Beall. General contractors: Baxter & White. Sub-contractors: precast concrete frame, artificial stonework, precast concrete roof slabs, Blokrete Co. Ltd.; joinery, Percy E. Houghton, Libraco Ltd.; patent flooring, Stonart Asbestos Flooring Co. Ltd.; facing bricks, W. E. Masters; electrician, W. H. Kingsnorth & Unity Heating Ltd.; sanitary fittings and ironmongery, Kennedy's Ltd.

Junior School at Beech Avenue, Southampton. (Page 490.) Architect: L. Berger, DIP. ARCH., A.R.I.B.A., Borough Architect, Southampton. General contractors: Rush Tompkins Ltd. Sub-contractors: reinforced concrete construction, The Trussed Concrete Steel Co. Ltd.; central heating installation and hot water system, F. W. Cook & Co. Ltd.; external facing bricks, London Brick

Co. Ltd.; internal facing bricks, Midhurst Whites Ltd.; precast concrete and reconstructed stonework, Apex Concrete Products (Totton) Ltd.; metal windows, balustrading, railings, gates, etc., The Guildford Glass & Metal Works Ltd.; clerestory lights and roof glazing, Monk Metal Window Co. Ltd.; pressed steel door trims, The Morris Singer Co. Ltd.; steel w.c. partitions and doors, Wm. Dibben & Sons Ltd.; insulation board ceilings, The Merchant Trading Co. Ltd.; sanitary fittings, John Knowles & Co. (London) Ltd., Rowe Bros. & Co. Ltd.; floor finishes, Durable Asphalt Co. Ltd.; Semtex Ltd.; tubular cloakroom fittings, ironmongery, Kennedys (Bournemouth) Ltd.; classroom and kitchen fittings (joinery), The Parkstone Joinery Co. Ltd., Bryce White & Co. Ltd.; shutters, G. Brady & Co. Ltd.; hardwood strip flooring, The Acme Flooring & Paving Co. (1904) Ltd.; built-up flat roofing, The Ruberoid Co. Ltd.; cycle parking blocks, Stelcon (Industrial Floors) Ltd.; flush doors, Bailey & Whites Ltd.; rediffusion services, Rediffusion Ltd.; paints, Dixon's Paints Ltd.; lightning conductor, J. W. Gray & Son Ltd.; fire fighting appliances, Southern Fire Protection Engineers; granolithic paving, The Southern Mosaic & Terrazzo Flooring Co.; planting, John Waterer Sons & Crisp Ltd.; name plates and number plates, Dryad Metal Works Ltd.; gymnastic apparatus, Olympic Gymnasium Co. Ltd.; commemoration panel, Golding & Ansell Ltd.

County Primary (Junior and Infants) School at Weston Park, Southampton. (Page 490.) Architect: L. Berger, DIP. ARCH., A.R.I.B.A., Borough Architect, Southampton. General contractors: J. J. Udalls Building Co. Ltd. Sub-contractors: bricks, Uxbridge Flint Brick Co. Ltd., Michelmersh Brick & Tile Co.; in situ reinforced concrete floors, Broadmead Products Ltd.; asphalt tanking and paving, The Limmer & Trinidad Lake Asphalt Co. Ltd.; playgrounds, The Walnwright Paving & Contracting Co. Ltd.; structural steel, Dawnays Ltd.; roof structure, J. O. Coad Ltd.; preweld roof beams, Hills (West Bromwich) Ltd.; bitumetal pitched roof, William Briggs & Sons Ltd.; precast stone, The Blokrete Co. Ltd.; built-up roofing with tarmacadam finish, Vulcanite Ltd.; composition block flooring, The Granwood Flooring Co. Ltd.; suspended ceilings, Bryce White & Co. Ltd.; asbestos spray ceilings and cycle shed roofs, Tarmac Asbestos Cement Co. Ltd.; metal windows, Monk Metal Window Co.; window control gear, Arens Controls Ltd.; pressed steel door trims, w.c. cubicles, Henry Hope & Sons Ltd.; door furniture, Dryad Metals Works Ltd.; ironmongery, Parker Winder & Achurch Ltd.; flush doors, Leaderflush Ltd.; central heating and hot water installation, Adams & Adams; electrical installation, F. W. Cook & Co. (Southampton) Ltd.; clock and bell installation, Gent & Co. Ltd.; electrical fittings, sanitary fittings, Wm. Dibben & Sons Ltd.; cloakroom fittings, Comyn Ching & Co. (London) Ltd.; loud speaker installation, Rediffusion Ltd.; cupboard and chalkboard fittings, Golding & Ansell Ltd.; joints, Thomas Parsons & Sons Ltd.; lightning conductors, R. C. Cutting & Co. Ltd.; fibrous plaster panels, Students of the Southern College of Art, Southampton; rainwater gutters and downpipes, J. & R. Griffith; furniture suppliers, Elington Industries Ltd.

County Primary School, at Heathfield, Southampton. (Page 490.) Architect: L. Berger, DIP. ARCH., A.R.I.B.A., Borough Architect, Southampton. Quantity Surveyors: Langdon & Every. General contractors: Tersons Ltd. Sub-contractors: bricks, Uxbridge Flint Brick Co. Ltd., Michelmersh Brick & Tile Co.; precast concrete floors, Windsor Constructions Ltd.; structural steel, Dawnays Ltd.; lattice roof beams, precast concrete roof slab system, Hills (West Bromwich) Ltd.; precast stone, The Blokrete Co. Ltd.; built-up roofing, William Briggs & Sons Ltd.; rooflights, Lenscrete Ltd.; acrotile floors, rubber floors, ceilings, Gabriel Wade & English Ltd.; metal windows, Ayzee Ltd.; window control gear, Arens Controls Ltd.; pressed steel door trims, Henry Hope & Sons Ltd.; door furniture, James Gibbons Ltd.; w.c. cubicles, Flexo Plywood Industries Ltd.; central heating and hot water installation, G. N. Haden & Sons Ltd.; electrical installation, A. E. Clasper & Sons; electrical fittings, Courtney Pope (Electrical) Ltd.; clock and bell installation, Gent & Co. (Southampton) Ltd.; loud speaker installation, Rediffusion Ltd.; sanitary fittings, Kennedys Ltd.; cloakroom fittings, Alfred Brown & Co.; cupboard and chalkboard fittings, Golding & Ansell Ltd.; paints, Thomas Parsons & Sons Ltd., Dixons Paints Ltd., The Walpamur Co. Ltd.; lightning conductors, R. C. Cutting & Co. Ltd.; gates and railings, J. Caslake Ltd.; rainwater gutters and downpipes, J. & R. Griffith; furniture suppliers, Elington Industries Ltd.

Flats at Archers Road. (Page 492.) Architects: Brian L. Sutcliffe (F.R.I.B.A.) & Partners. General contractors: Chilworth Estates Co. Ltd. Sub-contractors: reinforced concrete, The British Reinforced Concrete Engineering Co. Ltd.; windows, Williams & Williams Ltd.; floors, Cristofoli Ltd., Southampton Flooring & Paving Co. Ltd.; electrical, H. C. Taplin & Son Ltd.; cast stone, Apex Concrete Products; balustrading, N. C. Caslake Ltd.; heating and hot water, Young, Austen & Young; faience, Shaws Glazed Brick Co.

Temporary Shops, Above Bar, Southampton. (Page 492.) Architects: Brian L. Sutcliffe & Partners. General contractors: Rice & Son Ltd. Sub-contractors: steelwork, Rubery Owen & Co.

REBUILDING of SOUTHAMPTON

MAIN CONTRACTORS

FOR THE CONSTRUCTION OF GENERAL MOTORS FACTORY

W^M. T. NICHOLLS (SOUTHERN) LTD.

BUILDING AND CIVIL ENGINEERING CONTRACTORS

TENNYSON ROAD

SOUTHAMPTON (55660 etc.)

ARCHITECTS

HOWARD SOUSTER & PARTNERS

81 PICCADILLY LONDON W.1

Ltd.;
& Trini
heatin
F. W.
Produ
Ltd.

Office
Ltd.,
Archit
Gener
Ltd.
Sons I
roofin
ducts
Co. L
Steel
Ltd.
dows,
Herbe
Co.; r
terraz
& Pa
Produ

Labo
tories
492.)
Gener
contra
reinfor
crete
Manu
Aspha
Ltd.;
Concr
mong
Adami

Sout
Educ
ment,
Boiler
Refec
Hous
Gatte
surve
engin
Jenkin
floors
cold
Bays
F. H
frame
speci
Engli
J. &
Tallo
pend
Semi
Broad
Trini
speci
& Co
Rhin
tries
W.
Engi
trica

Offic
(Pag
Quar
contr
conc
heat
Cook
Hen

Hea
tion
Pare
Gutta
Gear
Sub-
Ltd.
cold
elect
facin
Swat
Thom
dad
Wad
gran

Dep
Sout
teric
and
(inte
Lloy
Bliz
cont
Atla
roof
forc
ligh
cent
Aust
tilat
And
J. I
Hen
Smith
Tern
Co.
& C
grou
beau
Hen

Ho
(Pa
F/L

Ltd.; asbestos, Travis & Arnold; floors, Limmer & Trinidad Lake Asphalt Co. Ltd.; electrical and heating, Rice & Son Ltd., R. J. Bullivant & Son, F. W. Cook & Co.; cast stone, Apex Concrete Products; sanitary fittings furniture, Kennedys Ltd.

Offices and Warehouse for Stewarts & Lloyds Ltd., West Quay Road, Southampton. (Page 492.) Architects: Brian L. Sutcliffe & Partners. General contractors: Wm. T. Nicholls (Southern) Ltd. Sub-contractors: electrical, H. C. Taplin & Sons Ltd.; heating, Young, Austen & Young Ltd.; roofing, Hall & Co.; flooring, Mundet Cork, Products Ltd.; piling, West's Piling & Construction Co. Ltd.; floors and roof, The Trussed Concrete Steel Co. Ltd.; steelwork, A. & J. Main & Co. Ltd.; roof trusses, Tubright Ltd.; metal windows, Crittall Manufacturing Co. Ltd.; runways, Herbert Morris Ltd.; lettering, Southern Signs Co.; roller shutters, Haskins Roller Shutters Ltd.; terrazzo, Cristofoli Ltd., Southampton Flooring & Paving Co. Ltd.; cast stone, Apex Concrete Products.

Laboratories for Southampton Dental Laboratories Ltd., Lodge Road, Southampton. (Page 492.) Architects: Brian L. Sutcliffe & Partners. General contractors: Rice & Son Ltd. Sub-contractors: steelwork, Rubery Owen & Co. Ltd.; reinforced concrete, The British Reinforced Concrete Engineering Co. Ltd.; windows, Crittall Manufacturing Co. Ltd.; asphalt, Durable Asphalt Co. Ltd.; composition floors, Semtex Ltd.; electrical, Rice & Son Ltd.; cast stone, Apex Concrete Products; iron staircase, sanitary, ironmongery, Kennedys Ltd.; heating and hot water, Adams & Adams.

Southampton University, including Institute of Education, Chemistry Block, Zoology Department, Hall & Gymnasium, Centralization of Boiler Plant, Extensions to Physics, additions to Refectory (Glen Eyre) Main Building, Residential Houses for Students and Staff. (493-4.) Architects: Gutteridge & Gutteridge, F.R.I.B.A. Quantity surveyors: Picot, Jung and Gear. Consulting engineers: H. A. Sandford. General contractors: Jenkins & Sons Ltd. Sub-contractors: concrete floors, Phillips Floors Ltd.; heating and hot and cold water services, G. N. Haden & Sons, White Bays & White, electrical, F. W. Cook & Co. Ltd., F. H. Wheeler Ltd.; metal window and door frames and furniture, Hope & Sons, special and cork flooring, Gabriel, Wade & English; facing bricks, Blanchards Ltd.; lifts, J. & E. Hall Ltd.; laboratory fittings, Baird & Tatlock; hardwoods, Howard Bros. Ltd.; suspended ceilings, Gyproc Products Ltd.; flooring, Semtex Ltd.; rainwater heads and channels, Broad & Co.; asphalt damp course, Limmer & Trinidad Lake Asphalt Co. Ltd.; chimney specialists, R. B. Hilton Ltd.; excavations, Osman & Co. Ltd.; kitchen equipment, Benham & Sons; fittings for physical laboratory, Elington Industries; lifts, Waygood Otis Ltd.; museum fittings, W. Nicholls & Co.; metal balustrading, Thorn Engineering; roller shutters, Thomas Hatch; electrical fittings, British Thomson-Houston Co.

Offices for Automobile Association, Southampton. (Page 494.) Architects: Gutteridge & Gutteridge. Quantity surveyors: Picot, Jung & Gear. General contractors: Brazier & Son. Sub-contractors: concrete floors, Phillips Floors Ltd.; electrical heating and hot and cold water services, F. W. Cook & Co. Ltd.; metal window and door frames, Henry Hope & Sons Ltd.

Headquarters for Territorial and Forces Association of Hunts and Isle of Wight, Fitchfield, Nr. Fareham. (Page 494.) Architects: Gutteridge & Gutteridge. Quantity surveyors: Picot, Jung & Gear. General contractors: John Hunt Ltd. Sub-contractors: concrete floors, Phillips Floors Ltd.; steelwork, E. C. & J. Keay Ltd.; hot and cold water services, G. N. Haden & Sons Ltd.; electrical, B. A. Corry; doors, Jayanbee Joinery; facing bricks, Blanchards Ltd.; internal bricks, Swanage Brick & Tile Co.; metal balustrading, Thorn Engineering; asphalt, Limmer & Trinidad Lake Asphalt Co. Ltd.; flooring, Gabriel, Wade & English; roller shutters, Haskins Ltd.; granolithic pavings, Stuarts Ltd.

Department Store for E. Mayes & Son Ltd., Southampton. (Page 494.) Architects: Gutteridge & Gutteridge, (the main structure and offices) and Tripe & Wakeham, F.R.I.B.A. (interiors). Consultants (services): Sloan & Lloyd Barnes. Quantity surveyors: Lemon & Bizard. General contractors: Bovis Ltd. Sub-contractors: installation of sprinkler system, The Atlas Sprinkler Co.; asphalt tanking and roofing works, Ragusa Asphalt Paving Co.; reinforced concrete floors, Phillips Floors; electric light and power installation, W. J. Furse & Co.; central heating and hot water system, Young, Austen & Young Ltd.; air conditioning and ventilation equipment and refrigeration plant, Andrew Machine Co. Co.; lifts and escalators, J. E. Hall Ltd.; lantern lights, metal windows, Henry Hope & Sons Ltd.; structural steelwork, Smith Walker Ltd.; terrazzo work, Arcanum Terrazzo & Stone Co.; shop fronts, E. Pollard & Co. Ltd.; counters, fittings, etc., George Parnell & Co. Ltd.; false ceilings to lower ground floor, ground and second floors, Gyproc Products Ltd.; beauty parlour construction and equipment, Henry Serventi Ltd.; joinery, Bovis Ltd.

House at Bassett Green Road Southampton. (Page 495.) Architects: Collins & Calton, F.R.I.B.A., M.T.P.I. General contractors: Baxter

& White. Sub-contractors: electrical contractor, W. H. Kingsnorth; flooring, The Gordon Flooring Co.; heating engineers, Adams & Adams; joinery, gates and bunks, Forster & Broomfield; roofing tiles, The Marley Tile Co. Ltd.

Temporary School, Thornhill, Southampton. (Page 495.) Architects: Collins & Calton, F.R.I.B.A. General contractors: builders work and roof, etc., Bunney Bros. Sub-contractors: flooring, The Southampton Flooring & Paving Co.

Housing at Coxford & Romsey Road, incorporating Maybush Housing Site, Southampton. (Page 495.) Architects: Collins & Calton, F.R.I.B.A., M.T.P.I. Quantity surveyors: Mitchell & Partner; site works, Varings, General contractors: (Coxford & Romsey Road Schemes): G. E. Prince & Sons, A. E. Jukes & Son Ltd., A. E. Knight & Sons Ltd., Rice & Son Ltd., Bagshaw & Son, Lansley & Co. General contractors: (Maybush Scheme): Rice & Sons. Sub-contractors: concrete blocks and cast stone, Blokrete Co. Ltd.; sand lime bricks, Wm. Dibben & Sons Ltd.; cement paint, The Cement Marketing Co. Ltd.; roof tiling and asphalt tiles, The Marley Tile Co. Ltd.; pitchmastic, The Limmer & Trinidad Lake Asphalt Co. Ltd.; electrical contractors, Newport's Electrics Ltd., W. H. Kingsnorth; standard metal windows, The Crittall Manufacturing Co. Ltd.; sanitary fittings, Kennedys Ltd.; joinery fittings, Forster & Broomfield, Golding & Ansell Ltd.; glazed concrete lights, Luxfer Ltd.

The Grange Farm Estate, Swaythling, Southampton. (Page 495.) Architects: Collins & Calton. Consulting engineer (roads and sewers): W. H. Masters, F.R.I.C.S. (deceased). Contractor (roads and sewers): Henry Osman & Co. Ltd.; sand lime bricks, Wm. Dibben & Sons Ltd.; cement paint, Cement Marketing Co. Ltd.; roof tiling, Hooper & Ashby Ltd.; floors, The Limmer & Trinidad Lake Asphalt Co. Ltd.; electrical contractors, W. H. Kingsnorth; metal windows, Williams & Williams Ltd.; ventilating components, Greenwood's Airvac Ventilating Co. Ltd.

Housing at Chilworth for Romsey & Stockbridge R.D.C., Southampton. (Page 496.) Architects: Fowler, Grove & Haggard, A/A/R.I.B.A. General contractors: C. A. McPherson & Partners. Quantity surveyors: Shears & Pick, F.I.Q.S., F.I.A.S. General contractors: A. E. Knight & Sons. Sub-contractors: sewage disposal, Tuke & Bell Ltd.; facing bricks, The Wellow Brick Co., sand and ballast, Leonard C. Haskell; carcassing timber and mouldings, Tagart, Morgan & Coles Ltd.; roofing, Hooper & Ashby Ltd.; electrical installation, Grovick & Co. Ltd.; metal door frames, Williams & Williams; metal sashes, Ideal Casements (Reading) Ltd.; glazing, Modern Leadlight; doors, Bryce White & Co. Ltd.; sanitary ware, Hooper & Ashby Ltd.; ironmongery, Wm. Dibben & Sons Ltd.; plumbing, A. J. Dunning; architectural ironwork, Mellows & Co. Ltd.; paint, Thomas Parsons & Sons Ltd.; distemper, Walpamur Co. Ltd.; cement, Cement Marketing Co. Ltd.

Flats (Block of 18) at Highfield, Southampton. (Page 496.) Architects: Fowler, Grove & Haggard, A/A/R.I.B.A. General contractors: K. L. & N. R. Smith Ltd. Sub-contractors: foundation concrete, Truck Mixed Concrete Ltd.; precast R.C. lintols, etc., Reconstruction Supplies Ltd.; sand and ballast, Tomb & Drake; facing bricks, Marston Valley Brick Co.; internal bricks, Wm. Dibben & Sons Ltd.; electrical installation, Newport Electrics Ltd.; precast R.C. floors, Smiths Fire proof Floors; scaffolding, Scaffolding (Great Britain) Ltd.; metal door frames and windows, Williams & Williams; doors, Dolton, Bournes & Dolton Ltd.; insulation, Fibreglass Ltd.; white glaze tiles, W. T. Lamb & Sons Ltd.; ironmongery, Sedall & Co. Ltd.; floor finishes, Semtex Ltd.; sanitary ware, Hooper & Ashby Ltd.; soil pipes, B. Finch & Co. Ltd.; paint, Dixons Paint Ltd.; distemper, etc., Thomas Parsons & Sons; floor tiles, Wiggins Sankey Ltd.; glazing, James Clark & Eaton; breeze fixing bricks, Belvidere Block Co.; asphalt roofing & colour floor finishes, Limmer & Trinidad Lake Asphalt Co.; cement, Cement Marketing Co. Ltd.

Flats (Block of 9) at Highfield, Southampton. (Page 496.) Architects: Fowler, Grove & Haggard, A/A/R.I.B.A. General contractors: K. L. & N. R. Smith Ltd. Sub-contractors: precast R.C. lintols, etc., Reconstruction Supplies Ltd.; sand and ballast, Tomb & Drake; facing bricks, The Runwood Brick Co.; internal bricks, Wm. Dibben & Sons Ltd.; electrical installation, Newport Electrics Ltd.; precast R.C. floors, Concrete Ltd.; scaffolding, Scaffolding (Great Britain) Ltd.; timber mouldings, Gabriel Wade & English Ltd.; doors, Dolton, Bournes & Dolton; sanitary ware, Kennedys Ltd.; paint, Dixons Paint Ltd.; distempers, The Walpamur Co. Ltd.; ironmongery, Kennedys Ltd.; asphalt roofing & colour felt floors, Limmer & Trinidad Lake Asphalt Co. Ltd.; metal door frames and windows sashes, Williams & Williams; drainware, Elliotts West Howe Pottery (Dorset) Ltd.; cement, Cement Marketing Co. Ltd.

Housing at Lockerley, Southampton. (Page 496.) Architects: Fowler, Grove & Haggard, A/A/R.I.B.A. Quantity surveyors: Langdon & Every. General contractors: Crook Bros. Sub-contractors: sewage disposal, Tuke & Bell; water supply, etc., S.C.A.T.S., Winchester; road works, A. J. Dunning & Sons Ltd.; R.C. lintols and fencing posts, W. H. Kingsnorth; facing bricks, Dunwood

Brick Co.; metal sashes, Ideal Casements (Reading) Ltd.; sand and ballast, Bull Bros.; carcassing timber, Burt, Bolton & Haywood Ltd.; hardwood flooring, Tagart, Morgan & Coles; roof tiling, Hooper & Ashby Ltd.; sanitary ware, Wiggins Sankey Ltd.; ironmongery, Wm. Dibben & Sons Ltd.; plumbing, D. M. Chilcot & Sons; paint, Lisle Munday & Co. Ltd.; doors and mouldings, Bryce White & Co. Ltd.; cement, Cement Marketing Co. Ltd.

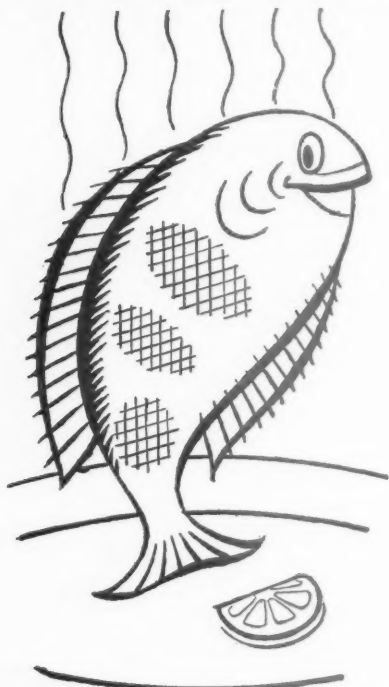
Taunton School, Southampton. (Page 496.) Architects: Fowler, Grove & Haggard, A/A/R.I.B.A. Quantity surveyors: Shears & Pick, F.I.Q.S., F.I.A.S. General contractors: Mullen & Lumsden Ltd. Sub-contractors: heating and lighting, F. W. Cook & Co.; precast R.C. lintols, etc., Apex Concrete Products Ltd.; joinery, Parkstone Joinery Co.; suspended ceilings, Jenkins & Sons Ltd.; cloakroom fittings, Tanton & Co.; ironmongery, Wm. Dibben & Sons Ltd.; steelwork, Rubery, Owen & Co. Ltd., Hill Construction Co.; plastering, W. N. Young; glazing, Clark & Wainwright; paint, Peacock & Buchanan Ltd.; paint & distemper, The Walpamur Co. Ltd.; slating, Wiggins Sankey Ltd.; scaffolding, Mills Scaffold Co. Ltd.; facing bricks, G. Billet & Sons Ltd.; internal bricks, London Brick Co. Ltd.; insulation, Fibreglass Ltd.; asphalt roofing, Limmer & Trinidad Lake Asphalt Co. Ltd.; sand and ballast, Southern Sand & Ballast Ltd.; cement, Cement Marketing Co. Ltd.

Offices for Halifax Building Society, Halifax House, Southampton. (Page 498.) Architects: E. Bird, F.R.I.B.A., E. M. Galloway, A.R.I.B.A. Quantity surveyors: C. A. McPherson & Partners. General contractors: R. H. Hammond Ltd. Sub-contractors: steelwork, E. C. & J. Keay Ltd.; R.C. foundations, Trussed Concrete Steel Co. Ltd.; stone facings & myco flooring, Bath & Portland Stone Firms Ltd.; metal casements and lantern lights, Mellows & Co. Ltd.; heating and electrical installations, F. W. Cook & Co. (Southampton) Ltd.; asphalt tanking, Limmer & Trinidad Lake Asphalt Co. Ltd.; strongroom, Chatwood Safe & Engineering Co. Ltd.; precast steps, plinth & window surrounds, Apex Concrete Products Ltd.; door furniture & balustrades, Wm. Dibben & Sons Ltd.; sanitary fittings & wall tiles, Hooper & Ashby Ltd.; acoustic ceiling, Horace W. Culham & Co. Ltd.; terrazzo, Art Pavements & Decorations Ltd.; wood panelling and furniture, Samuel Elliott & Sons (Reading) Ltd.; shop front and balustrades, Morris Singer Co. Ltd.; floor finishes, Semtex Ltd.; facing bricks, Michelmers Bricks Co. Ltd.; balustrades, R. F. W. Thorn Engineering Ltd.; plastering, A. C. V. Telling (Southern) Ltd.

Depot for Raleigh Industries Ltd., Raleigh House, Millbrook Road, Millbrook, Southampton. (Page 499.) Architect: E. M. Galloway, A.R.I.B.A. Quantity surveyors: C. A. McPherson & Partners. General contractors: Jenkins & Sons Ltd. Sub-contractors: steel reinforcement, British Reinforced Concrete Engineering Co. Ltd.; precast concrete floors, Bath & Portland Stone Firms Ltd.; precast concrete framing, London Ferro Concrete Co. Ltd.; facing bricks, Henry J. Greenham (1929) Ltd.; metal windows and roof glazing, Mellows & Co. Ltd.; roof decking, Stramit Boards Ltd.; built-up roofing, The Ruberoid Co. Ltd.; glazing, Way & Son (Southsea) Ltd.; terrazzo paving, Art Pavements & Decorations Ltd.; composition paving, Semtex Ltd.; loading bay partitions, Stramit Boards Ltd.; folding gates, Bolton Gate Co. Ltd.; electrical and heating installations, F. W. Cook & Co. (Southampton) Ltd.; neon sign, Claude-General Neon Lights Ltd.; door furniture and fascia letterings, Dryad Metal Works Ltd.; light fittings, Benjamin Electrical Co. Ltd.; light fittings (entrance hall), Troughton & Young (Lighting) Ltd.; stone carving, V. A. Gilles; sanitary fittings, Kennedys (Bournemouth) Ltd.; folding stairs, Loft Ladders Ltd.; railings, gates and balustrading, Wm. Dibben & Sons Ltd.; paint, Hadfields (Merton) Ltd.

House at Ardane Crescent, Bassett, Southampton. (Page 499.) Architect: E. M. Galloway, A.R.I.B.A. Quantity surveyors: C. A. McPherson & Partners. General contractors: Gaudinetti & Threapleton. Sub-contractors: copper roof, Broderick Insulated Structures Ltd.; heating installation, Weatherfoil Heating Systems Ltd.; plumbing, F. W. Cook & Co. (Southampton) Ltd.; metal doors and window frames, Crittall Manufacturing Co. Ltd.; electrical installation, F. W. Cook & Co. (Southampton) Ltd.; acotile flooring, Gabriel, Wade & English Ltd.; wood mosaic flooring, Franchi Wood Mosaic Co.; painted Hadfields (Merton) Ltd.; flush doors, Golding & Ansell Ltd.; sanitary fittings, Kennedys Ltd.; facing bricks, London Stocks by Eastwoods Ltd.; steelwork, Dawneys Ltd.; stonework, Stoneham Masonry Co. Ltd.; light fittings, General Electric Co. Ltd.; glazing, Way & Son (Southsea) Ltd.

Offices for Phone Car Hire Co. Ltd., 47 Millbrook Road, Southampton. (Page 499.) Architect: E. M. Galloway, A.R.I.B.A. Quantity surveyors: C. A. McPherson & Partners. General contractors: A. E. Jukes & Son Ltd. Sub-contractors: facing bricks, Marston's Autumn Facings; concrete floors, Concrete Ltd.; metal windows and lantern light, Crittall Manufacturing Co. Ltd.; metal door frame, Henry Hope & Sons Ltd.; roofing, Ruberoid Co. Ltd.; precast lintols and ledges, Blokrete Co. Ltd.; copings, Apex Concrete Products Ltd.; heating installation, F. W. Cook & Co. (Southampton) Ltd.; electrical installation, H. C. Taplin & Sons Ltd.; flooring, Stonart Asbestos Flooring Co. Ltd.; sanitary fittings, Wm. Dib-



"The answer's
not just a
lemon"

A sharp and unworthy answer for the delicate sole, reluctant to leave the deep sea for the hot plate. As "sole meunière," more fittingly, he will enchant the gourmet's heart—and stomach. But, for this heavenly end, the sole needs the assurance and comfort of a "Stott" kitchen—with equipment that, while catering for the largest numbers, preserves and promotes the succulence of the food. "Stotts" Planning and Advisory Service may be the answer to your kitchen problems—in the choice of a single piece of equipment or for assistance with an over-all plan.

Manufacturers of Catering Equipment
of every description.
Send now for Catalogue No. AA26.



51.

TUCKER'S 'Armourply'

**DOORS • COUNTERS
AND TABLE TOPS
CUBICLE UNITS
REFRIGERATORS**



**INSULATING PANELS
ESCALATOR PANELS
ROOF PANELS
VEHICLE BODIES**

Combines light weight with strength in a wide range of decorative and utility surfaces

Manufactured by

WILLIAM MALLINSON & SONS LTD

130 - 150 HACKNEY ROAD, LONDON, E.2

Telephone: SHOREDITCH 3888 - 3811

Telegrams: ALMONER, LONDON

bin & Sons Ltd.; door furniture, Dryad Metal Works; flush doors, Tagart, Morgan & Coles; metal sign, Moorgreen Metal Industries Ltd.; telephone ducting, Channell Conduits Ltd.

House at Ryedown Lane, Wellow, Hants. (Page 500.) Architect: Bernard H. Dale, F.R.S.A., F.R.I.B.A., F.I.A.S.A. General contractors: Whettingsteel & Jeram. Sub-contractors: hot and cold water installation, Adams & Adams; stone-work, Apex Concrete Products; electrical contractors, R. J. Bullivant & Son; cedar shingles roof, Blanchard & Burgess; terrazzo flooring, A. Cristofoli & Son; balustrading, N. C. Caslake Ltd.; cupboard and Wm. Dibben & Sons Ltd.; wall tiling, B. Finch & Co. Ltd.; kitchen equipment, "English Rose" supplied by Wm. Dibben & Sons Ltd.; wood block flooring, Mitchell (Woolston) Ltd.; rubber flooring, Percival C. Oxborough Ltd.; steelwork, Rubery Owen & Co. Ltd.; metal windows, C. E. Welstead Ltd.

Hotel at 61, Above Bar Street, Southampton. (Page 500.) Architects: Bernard H. Dale & Partners. General contractors: H. Stevens & Co. Ltd. Sub-contractors: hot and cold water installation, Adams & Adams; cooking equipment, Benham & Sons Ltd.; concrete flooring and roofing, slabs, Concrete Ltd.; external steel staircase, Wm. Dibben & Sons Ltd.; structural steelwork, Dawnays Ltd.; service lift, Evans Lifts Ltd.; wall tiling, B. Finch & Co. Ltd.; electrical contractors, I. Groves & Co.; beer engines, Gaskell & Chambers (London) Ltd.; roof lights to canopy, Lenscrete Ltd.; asphalt roofing, The Limmer & Trinidad Lake Asphalt Co. Ltd.; metal windows, Mellowes & Co. Ltd.; stonework, Morant Brothers Ltd.; wood block flooring, The National Flooring Co. Ltd.; door furniture, Parker, Winder & Achurch Ltd.; sanitary fittings, Shaws Glazed Brick Co. Ltd.; terrazzo flooring, The Southampton Flooring & Paving Co.; interior decorations to restaurant and bars, Veneercraft Ltd.; special glazing, Way & Son Ltd.

The Red Lion Hotel, High Street, Southampton. (Page 500.) Architect: Bernard H. Dale & Partners. General contractors: Brazier & Son Ltd. Sub-contractors: hot and cold water installation, Adams & Adams; wall tiling, Carter & Co. (London) Ltd.; floor tiling, The Marley Tile Co.; structural steelwork, Dawnays Ltd.; sanitary fittings, Erith & Co. Ltd.; asphalt roofing, The Limmer & Trinidad Lake Asphalt Co. Ltd.; electrical contractors, R. J. Bullivant & Son; metal windows, Mellowes & Co. Ltd.

The Sir Walter Tyrrell, Canterton, Hants. (Page 500.) Architects: Bernard H. Dale & Partners. General contractors: A. E. Jukes & Son Ltd. Sub-contractors: electrical contractors, R. J. Bullivant & Son Ltd.; H. C. Taplin & Sons Ltd.; tiling, Carter & Co. (London) Ltd.; kitchen equipment and sanitary fittings, Wm. Dibben & Sons Ltd.

Factory, Laboratories, Offices and Stores for Herbert Ferryman Ltd., Priory Road, Southampton. (Page 501.) Architects: Weston, Burnett & Thorne (L.R.I.B.A.). Htng. Engineers: Young, Austen & Young Ltd. General contractors: R. H. Hammond Ltd. Sub-contractors: R. C. frame and floors, British Reinforced Concrete Engineering Co. Ltd.; windows, lanterns and office partitioning, Mellowes & Co. Ltd.; electrical contractor, B. F. Webb; thermoplastic flooring, Gabriel, Wade & English Ltd.; asphalt flat roofing, basement tanking and flooring, The Limmer & Trinidad Lake Asphalt Co. Ltd.; sanitary fittings, Wm. Dibben & Sons Ltd.; roof lights, Lenscrete Ltd.; roller shutters, Haskins Roller Shutters Ltd.; balustrades, J. Caslake Ltd.; terrazzo, Southampton Flooring & Paving Co. Ltd.; artificial stone, Blokrete Ltd.

Shops, Showroom and Offices for Osborn & Co. (Southampton) Ltd., No. 9 High Street, Southampton. (Page 501.) Architects: Weston, Burnett & Thorne. General contractors: J. J. Udalls Building Co. Ltd. Sub-contractors: steelwork, Dawnays Ltd.; R. C. floors and roof, Bison Concrete Ltd.; electrical contractor, F. W. Cook & Co. (Southampton) Ltd.; thermoplastic flooring, Gabriel, Wade & English Ltd.; windows, Mellowes & Co. Ltd.; artificial stone, Blokrete Ltd.; shop front, Griffiths Bros. (Shopfitters) Ltd.; terrazzo, Southampton Flooring & Paving Ltd.; asphalt, The Limmer & Trinidad Lake Asphalt Co. Ltd.; sanitary fittings, Wm. Dibben & Sons Ltd.

Congregational Church, at Shirley Road, Southampton. (Page 501.) Architects: Weston, Burnett & Thorne. Heating and ventilating engineers: Young, Austen & Young Ltd. General contractors: H. G. Ross & Sons Ltd. Sub-contractors: steelwork, Dawnays Ltd.; windows and lanterns, Mellowes & Co. Ltd.; flooring, Granwood Flooring Co. Ltd.; asphalt ramp and basement tanking, The Limmer & Trinidad Lake Asphalt Co. Ltd.; electrical contractor, R. J. Bullivant & Son; facing bricks, Blanchards (Bishop's Waltham) Ltd.; and Elliott Bros. Ltd.; R. C. flat roof, Concrete Ltd.; Bison Roofs; roof tiles, Elliott Bros.; sanitary fittings, Wm. Dibben & Sons Ltd.

Showrooms for Southern Gas Board at 223, Portwood Road, Southampton. (Page 501.) Architects: Weston, Burnett & Thorne. General contractors: A. E. Jukes & Sons Ltd. Sub-

contractors: steelwork, Dawnays Ltd.; windows and lantern lights, Mellowes & Co. Ltd.; electrical contractor, F. W. Cook & Co. (Southampton) Ltd.; R. C. floors and roof, Bison Concrete Ltd.; flooring, Granwood Flooring Co. Ltd.; shop front, Griffiths Bros. (Shopfitters) Ltd.; facing bricks, Blanchards (Bishop's Waltham) Ltd.; and Elliott Bros. Ltd.; terrazzo, Southampton Flooring & Paving Co. Ltd.; artificial stone, Blokrete Ltd.

Elim Church. (502.) Architects: W. H. Saunders & Son, M.I.S.T.R.U.E., F.I.A.A., F.I.A.S.A., L.R.I.B.A. Gen. contractors: Muller & Lumden Ltd. Sub-contractors: steelwork and leaded glazing, Wm. Dibben & Sons Ltd.; precast stonework, Apex Concrete Products; bricks, Blanchards Brickworks (Elliott Bros. Ltd.); metal windows, The Crittall Manufacturing Co. Ltd.; heating installation and ventilation, Adams & Adams; electrical installation, H. C. Taplin & Sons Ltd.; electrical fittings, Troughton & Young Ltd.; thermoplastic tile flooring, Gabriel, Wade & English Ltd.; wood block flooring, Hollis Bros.; terrazzo baptistry, Southern Mosaic Terrazzo & Flooring Co.; wrought ironwork, A. W. Jeffreys; flat roofing, Limmer & Trinidad Lake Asphalt Co. Ltd.; joinery, Golding & Ansell Ltd.; paint materials, Walpamur Co. Ltd.

Garage at Millbrook Road, Southampton. (Page 502.) Architects: W. H. Saunders & Son. Quantity surveyors: Shears & Pick. General contractors: A. E. Jukes & Son Ltd. Sub-contractors: structural steelwork, asbestos roofing and roof glazing, Wm. Dibben & Sons Ltd.; bricks, Marston Valley Brick Co.; reinforcement, The British Reinforced Concrete & Engineering Co. Ltd.; metal windows, The Crittall Manufacturing Co. Ltd.; precast stonework, The Blokrete Co. Ltd.; steel partitions, J. H. Prince & Co. Ltd.; waterproof tanking, Sealocrete Ltd.; paint materials, United Paint Co. Ltd.

Office Block for Elliott Bros. Ltd., Millbank Wharf, Southampton. (Page 503.) Architect: W. H. Saunders & Son. Quantity surveyor: H. Rowland, A.R.I.C.S. General contractors: John Lewis Building Ltd. Sub-contractors: reinforced concrete roofs and floor units, Concrete Ltd.; bricks, Blanchards Brickworks (Elliott Bros. Ltd.); metal windows, Hooking & Sewell Ltd.; precast stone, The Blokrete Co. Ltd.; clay and composition tile flooring, general building materials and sanitary fittings, Elliott Bros Ltd.; heating installation, Adams & Adams; electrical installation, R. J. Bullivant & Son; flat roof, Wm. Briggs & Son Ltd.; staircase balustrade, etc., A. W. Jeffreys; paint materials, Imperial Chemical Industries Ltd.

Factory and Administration Block for Messrs. Leicester, Lovell & Co. Ltd., North Baddesley, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyor: Architects' surveyors under A. G. Smale, A.F.S. General contractors: J. J. Udalls Building Co. Ltd. Sub-contractors: bricks, Michelmersh Brick Co. Ltd.; reinforcement, The British Reinforced Concrete & Engineering Co. Ltd.; steelwork, J. R. Smith & Son (Structural) Ltd.; metal windows, The Crittall Manufacturing Co. Ltd.; pre-cast stonework, Apex Concrete Products; electrical installation, L. C. Kittow; heating installation, Adams & Adams; flat roofing, F. McNeill & Co. Ltd.; thermoplastic tile flooring, Gabriel, Wade & English; signs, Southern Signs Co.; paint materials, Andrew & Sinclair Ltd.; Walpamur Co. Ltd.

Office and Showrooms for Taplins Auto Electric Ltd., St. Mary's Street, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyor: Architects' surveyors under A. G. Smale, A.F.S. General contractors: Wm. T. Nicholls (Southern) Ltd. Sub-contractors: structural steelwork, The Condon Engineering Co. Ltd.; reinforced concrete floors and roofs, The Helical Bar & Engineering Co. Ltd.; metal windows & steel partitions, The Crittall Manufacturing Co. Ltd.; joinery and special windows, Wm. T. Nicholls (Southern) Ltd.; thermoplastic tile flooring, The Marley Tile Co. Ltd.; patent glazing, Williams & Williams Ltd.; bricks, Eastwoods Ltd.; precast stonework, Apex Concrete Products; electrical and heating installation, H. C. Taplin & Sons Ltd.; staircase balustrade, A. Jeffreys; works entrance doors to main elevation, The Bolton Gate Co. Ltd.; sanitary fittings, Shanks & Co. Ltd.; asbestos roofing, Hall & Co. Ltd.; paint materials, Andrew & Sinclair Ltd., Celson Ltd.

Offices and Stores for Ocean Trading (Wholesale) Ltd., at West Quay Road, Southampton. (Page 503.) Architects: W. H. Saunders & Son. General contractors: H. G. Ross & Sons Ltd. Sub-contractors: piling and reinforced concrete foundations and ground slab, West's Piling & Construction Co. Ltd.; steelwork, Rubery, Owen & Co. Ltd.; reinforced concrete floors, roofs and staircase, The Helical Bar & Engineering Co. Ltd.; bricks, The Hammill Brick Co. Ltd.; bitumetal roofing to warehouse and flat roofing, Wm. Briggs & Son Ltd.; metal windows & lantern lights, The Crittall Manufacturing Co. Ltd.; dome lights, E. R. Wright & Son; precast stonework, The Blokrete Co. Ltd.; faience, Shaws Glazed Brick Co. Ltd.; heating installation, Adams & Adams; electrical installation, Ash & Co.; thermoplastic tile flooring and rubber flooring, Gabriel, Wade & English Ltd.; cork flooring, Cork Insulation & Asbestos Co. Ltd.; wrought iron

grilles, staircase balustrade, Caslake Ltd. (N.C.); terrazzo, Southampton Flooring & Paving Co.; joinery and fittings, H. G. Ross & Sons Ltd.; showroom fitting, D. Drake & Son Ltd.; electrical fittings, General Electric Co.; bronze grille & roller shutters, Haskins; bar and plate glass doors, Pilkington Bros. Ltd.; sanitary fittings, Wm. Dibben & Sons Ltd.; fencing, Flexitella Fencing & Engineering Co.; paint materials, Thos. Parsons & Sons Ltd., The Walpamur Co. Ltd.

Bottling Stores for C. G. Hibbert & Co. Ltd., at Solent Road, New Docks, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyors: Architects' surveyors under A. G. Smale, A.F.S. General contractors: Frank Kimber & Son Ltd. Sub-contractors: structural steelwork, Dawnays Ltd.; piling, etc., West's Piling & Construction Co. Ltd.; reinforced concrete and staircase, Phillips Floors Ltd.; electrical installation, R. J. Bullivant & Son; granolithic paving, Southampton Flooring & Paving Co.; wrought ironwork, A. W. Jeffreys; metal windows, The Crittall Manufacturing Co. Ltd.; reconstructed stone, Apex Concrete Products; roller shutters, Haskins; signs, Southern Signs Co.; bricks, Marston Valley Brick Co.; flat roofing, F. McNeill & Co. Ltd.; paint materials, Andrew & Sinclair Ltd., Imperial Chemical Industries Ltd.

Bakery for Southwells, at Park Road, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyor: H. Rowland, A.R.I.C.S. General contractors: J. J. Udalls Building Co. Ltd. Sub-contractors: bricks, Marston Valley Brick Co.; reinforced concrete floors and roofs, Frazzi Ltd.; heating and hot water installation, Adams & Adams; electrical installation, B. A. Corry; special metal windows, The Crittall Manufacturing Co. Ltd.; floor tiling, Hooper & Ashby Ltd.; stonework flooring in bread bakery, Stelcon Ltd.; structural steelwork, Redpath, Brown & Co. Ltd.; bakery plant, Thomas Collins & Co. Ltd.; flour conveyor installation, Spencer (Melksham) Ltd.; glascrete canopy, J. A. King & Co. Ltd.; terrazzo flooring, Southern Mosaic Terrazzo & Flooring Co.; shop fitting, Golding & Ansell Ltd.; faience tiling, Shaws Glazed Brick Co. Ltd.; blinds, J. C. Dyas & Son; thermoplastic tile flooring, Gabriel, Wade & English Ltd.; pre-cast stonework, Blokrete Co. Ltd.; lifts, Hammond & Champness Ltd.; despatch bays, Erithington & Co.; sanitary fittings, Wm. Dibben & Sons Ltd.; paint materials, Celson Ltd.

Shop for P. Fripp, 101, 105, Shirley Road, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyors: Shears & Pick. General contractors: R. H. Hammond Ltd. Sub-contractors: bricks, Marston Valley Brick Co.; steelwork, Rubery, Owen & Co. Ltd.; foundations and site works, Rice & Son Ltd.; reinforced concrete floors and roofs, B. Sorben & Son Ltd.; metal windows, The Crittall Manufacturing Co. Ltd.; precast stonework, Apex Concrete Products; flat roofing, F. McNeill & Co. Ltd.; shop fittings, R. H. Hammond Ltd.; signs, Southern Signs Co.; glazing, Way & Son Ltd.; thermoplastic and wood block floors, Gabriel, Wade & English Ltd.; electrical installation, H. C. Taplin & Sons Ltd.; tarmacadam pavings, Limmer & Trinidad Lake Asphalt Co. Ltd.; paint materials, Imperial Chemical Industries Ltd.

Administration Block and Works for Parsons Engineering Co. Ltd., Town Quay, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyors: architects' surveyors under A. G. Smale, A.F.S. General contractors: A. E. Jukes & Son Ltd.; J. J. Udalls Building Co. Ltd. Assembly Shop. Sub-contractors: piling, West's Piling & Construction Co. Ltd.; reinforcement, The British Reinforced Concrete & Engineering Co. Ltd.; structural steelwork, Redpath, Brown & Co. Ltd.; reinforced concrete floors and roofs, The Helical Bar & Engineering Co. Ltd.; sanitary fittings, Wm. Dibben & Sons Ltd.; metal windows, The Crittall Manufacturing Co. Ltd.; precast stonework, The Blokrete Co. Ltd.; crane, The Crittall Manufacturing Co. Ltd.; patent roof glazing, The Crittall Manufacturing Co. Ltd.; electrically operated steel roller shutters, Maiber & Platt Ltd.; heating installation, Adams & Adams; electrical installation, H. C. Taplin & Sons Ltd.; glascrete construction, J. A. King & Co. Ltd.; flat roofing, F. McNeills Ltd.; bricks, The Hammill Brick Co. Ltd.; fencing, Flexitella Fencing & Engineering Co. Ltd.; lettering, Southern Signs Co.; painter materials, Pinchin Johnson & Co., Latham, Brown & Co. Ltd.

Factory for Dent, Allcroft & Co. Ltd., Dukes Road, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyor: H. Rowland, A.R.I.C.S. General contractor: Rice & Son Ltd. Sub-contractors: reinforcement, The British Reinforced Concrete Engineering Co. Ltd.; bricks, The London Brick Co. Ltd.; structural steelwork, Redpath, Brown & Co. Ltd.; metal windows and patent glazing and steel partitions, The Crittall Manufacturing Co. Ltd.; reinforced concrete floors and flat roof, Frazzi Ltd.; pre-cast stonework, Blokrete Co. Ltd.; flat roofing, William Briggs & Sons Ltd.; joinery, Golding & Ansell Ltd.; heating and hot water installation, Adams & Adams; electrical installation, R. J. Bullivant & Sons; asbestos roofing, Earners Asbestos Cement Co. Ltd.; composition floors, Leatherford Ltd.; canvas Green flooring, Granwood Flooring Co. Ltd.; wood block flooring, Hollis Bros. Ltd.; paint materials, Pinchin, Johnson & Co.

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

ENQUIRY FORM

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

Please ask manufacturers to send further particulars to:—

NAME

PROFESSION or TRADE

ADDRESS

AJ 16.4.53

Shop front for White & Co. Ltd., at 69, The Avenue, Southampton. (Page 503.) Architects: W. H. Saunders & Son. General contractors: R. H. Hammond Ltd. Sub-contractors: reconstructed stonework and polished hopton wood slabs. The Impervious Stone Co. Ltd.; joinery and fittings. R. H. Hammond Ltd.; electrical installation. H. C. Taplin & Sons Ltd.; lettering. The Lettering Centre; thermoplastic tile flooring. Gabriel, Wade & English Ltd.; paint materials. Thos. Parsons & Sons Ltd.; Andrew & Sinclair Ltd.

Reconstruction of 4, Brunswick Place for the Burnley Building Society, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyors: Shears & Pick. General contractors: Wm. A. Fussell. Sub-contractors: standard metal windows and aluminium sliding sashes. The Crittall Manufacturing Co. Ltd.; shop front etc. Samuel Elliott & Sons Ltd.; bricks. Blanchards Brickworks (Elliott Bros. Ltd.); internal joinery and fittings. Wm. A. Fussell; electrical installation. A. Buckett & Son; paint materials. Thos. Parsons & Sons Ltd.; Cellon Ltd.

Administration block and cat house for Our Dumb Friends' League, Warren Avenue, Southampton. (Page 503.) Architects: W. H. Saunders & Son. Quantity surveyors: architects' surveyors under A. G. Smale, A.F.S. General contractors: G. E. Prince & Son Ltd. Sub-contractors: steelwork: Redpath, Brown & Co. Ltd.; reinforcement. The British Reinforced Concrete & Engineering Co. Ltd.; bricks. Marston Brick Co.; metal windows and lantern lights. The Crittall Manufacturing Co. Ltd.; flat roofing. Ruberoid Co. Ltd.; perimeter fencing, cat and dog runs, internal kennel divisions, cat-pens. Flectella Fencing & Engineering Co. Ltd.; heating. The Brightside Foundry & Engineering Co. Ltd.; electrical installation. I. Groves & Co.; thermoplastic tiles. Gabriel, Wade & English Ltd.; lettering. Southern Signs Co.; pre-cast stonework. Apex Concrete Products; paint materials. Cellon Ltd.; The Walpamur Co. Ltd.

Houses for Briggs Motor Bodies Ltd., in Winn Road. (Page 504.) Architects: Hill & Allum, F.R.I.B.A./A.R.C.S. General contractors: Amos Danby & Sons. Sub-contractors: electric wiring. R. F. Webb Ltd.; terrazzo floors. A. Cristofoli & Sons; oak wood block floors. Floorwoods Ltd.; garden works. H. A. Sollis, F.R.H.S.; bricks. Elliott Bros. Ltd.

Shop for Newsagents in Highfield Lane, Southampton. (Page 504.) Architects: Hill & Allum, F.R.I.B.A./A.R.C.S. General contractors: Amos Danby & Sons. Sub-contractors: electric wiring. Groves & Co.; terrazzo floors. A. Cristofoli & Sons; facing bricks. Reeds of Fordingbridge; reinforced concrete etc. British Reinforced Concrete Engineering Co. Ltd.

Announcements

P. Solomon, A.R.I.B.A., has removed to Town Hall Chambers, 22, Tib Lane, Cross Street, Manchester, 2, where he will be pleased to receive trade catalogues.

Arthur S. Newcombe, DIP.ARCH., A.R.I.B.A., is now in practice with F. E. Segar, M.C., M.INST.R.A., under the name of Segar & Newcombe at 24, Union Street, Newton Abbot, Devon. (Tel.: Newton Abbot 1022), where he will be pleased to receive trade catalogues.

Farmer & Dark, F./F.R.I.B.A., architects, have moved their office to Romney House, Marsham Street, S.W.1.

Walter S. Mercer has been appointed agent for Northern Ireland by J. H. Tucker & Co. Ltd. in succession to A. M. Wedderburn. (Tel.: Belfast 21424).

Small & Parkes Ltd. have moved their Birmingham depot to 216, Moseley Street, Birmingham, 12. (Tel.: Midland 4659.)

H. J. Richards has now opened another office at 5, Spencer Parade, Northampton, where he will be pleased to receive trade catalogues.

A. J. Binns Ltd., of Harvest Works, 99-107, St. Pauls Road, London, N.1 (Tel.: Canonbury 2061), have opened showrooms and offices at 29, Store Street, London, W.C.1. for the sale of architectural ironmongery, cloakroom equipment and fencing (Tel.: Museum 5802).

The British Aluminium Co., Ltd., have transferred their Leeds branch office to Martins Bank Chambers, Vicar Lane, Leeds, 1 (tel.: Leeds 28343), to handle sales of unwrought and fabricated aluminium and aluminium alloys in the counties of Yorkshire and Lincolnshire.

F. Goldsbrough, clerk-of-works, 20, Falcon Road, Savile Town, Nr. Dewsbury, Yorks., would be pleased to receive catalogues and trade literature.

TECH ANTI FREEZE

FOR SAFE CONCRETING IN FROSTY WEATHER

TECH ANTI FREEZE SOLUTION PROVIDES THESE SPECIAL ADVANTAGES FOR CONTINUOUS CONCRETING IN ALL WEATHERS

- ★ Allows shuttering to be struck one-third to half the usual time required according to the temperature prevailing at the time of pouring concrete.
- ★ Most economical when used under all conditions.
- ★ Saves time and avoids risk.
- ★ Rapid hardener in water.
- ★ Is the answer for pre-cast mass concrete such as sea walls, docks, harbours and roadways—where speed is essential.
- ★ For lubricating concrete while being pumped.
- ★ Gives greater slump and composition to obtain dense concrete.

Write for full particulars to

TECHNICRETE SALES

95-101 LITTLE ALBANY STREET, LONDON, N.W.1

Telephone: EUSTON 6635

OVER 25 YEARS OF PRACTICAL EXPERIENCE

lxxviii

THERE IS A

Technicrete

PRODUCT FOR ALL CONCRETE PROCESSES

METALLIC HARDENER.

For making new concrete floor toppings withstand Iron Shod trolleys, etc.

TRANSO WATERPROOFING SOLUTION. For waterproofing brick and stonework etc. (Transparent.)

DEGREASING COMPOUND.

For cleaning dirty and oil bound concrete floors.

DOUBLE STRENGTH PREMIX.

For waterproofing concrete floors.

NEUTRAL SURFACE DRESSING.

For dustproofing concrete floors.

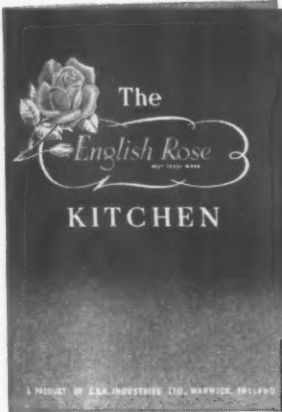
COLORTHRU

A scientific colouring solution—for new cement or concrete floors.

WAX POLISHES.

For any purpose in any colour.

here
is the
information



and
the facts
regarding
**KITCHEN
EQUIPMENT**



**SERVICE TO
ARCHITECTS**

This literature, together with "Architects Journal" Information Sheets Nos. 43.E15 and 16, has been prepared for the use of Architects, and provides all the dimensions and data concerning "English Rose" and "Warwick" Kitchen Equipment. Please ask for literature ref. ERW.1

PRODUCTS OF C.S.A. INDUSTRIES LTD. WARWICK

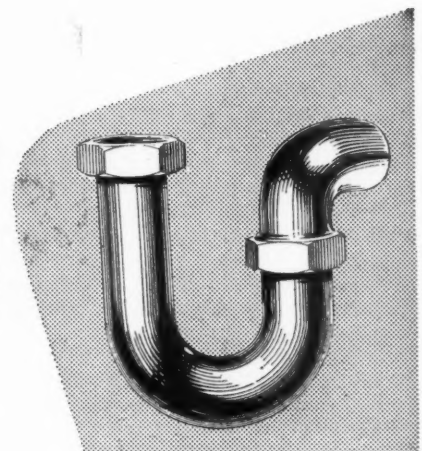
London Showrooms: 229-231 Regent Street, W.1
Telephone: REgent 2435

L.G.B.



.... we use them to solve drainage problems for Architects and Sanitary Engineers.

Econa tubular copper traps,* tees, elbows, and preformed waste ranges are more practical, cheaper and nearly as smooth as glass.



Consult us about
soil and waste
disposal (above
ground) because...

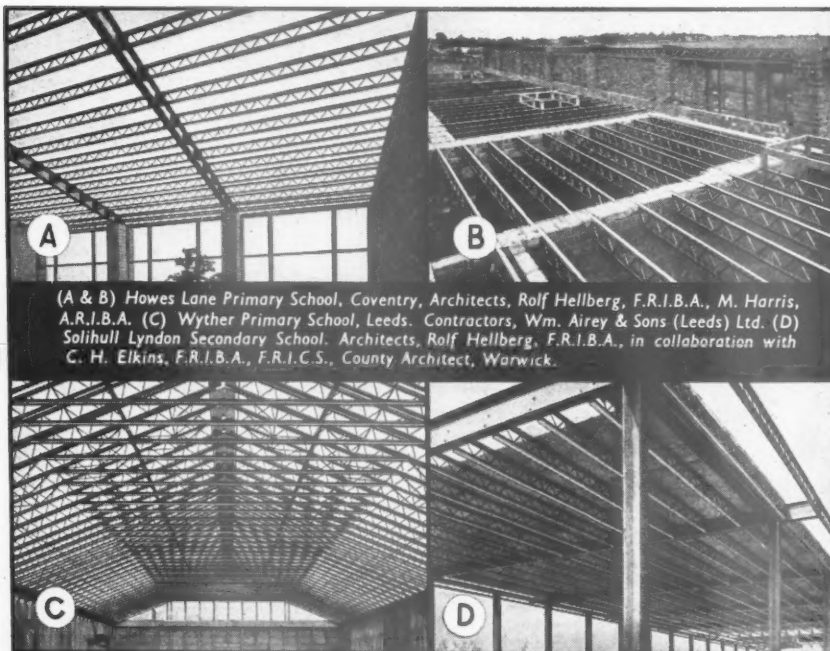
Econa
can help you...

ECONA MODERN PRODUCTS LTD.
WARWICK ROAD, TYSELEY, BIRMINGHAM 11

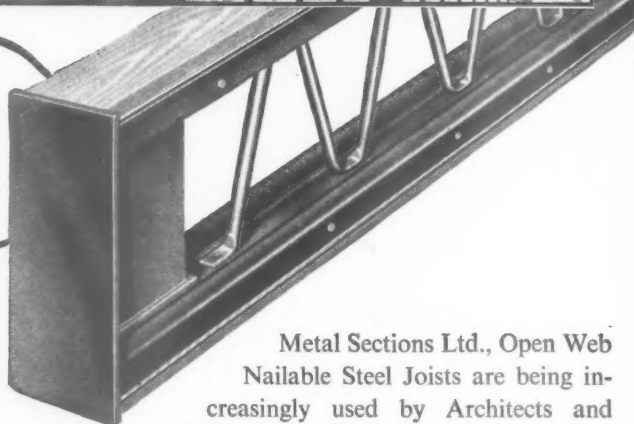
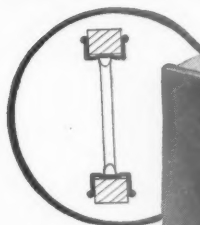
Phone: ACOcks Green 2211

* Econa traps now have outlets with the correct gradient to prevent self-siphonage in single and one-pipe plumbing.

SUPPLIED READY FOR PLACING ...without cutting or fitting



(A & B) Howes Lane Primary School, Coventry, Architects, Rolf Hellberg, F.R.I.B.A., M. Harris, A.R.I.B.A. (C) Wyther Primary School, Leeds. Contractors, Wm. Airey & Sons (Leeds) Ltd. (D) Solihull Lyndon Secondary School. Architects, Rolf Hellberg, F.R.I.B.A., in collaboration with C. H. Elkins, F.R.I.B.A., F.R.I.C.S., County Architect, Warwick.



OPEN WEB NAILABLE STEEL JOISTS FOR ROOF & FLOOR CONSTRUCTION

Metal Sections Ltd., Open Web Nailable Steel Joists are being increasingly used by Architects and Builders because they are ideal for housing, schools and similar structures in spans up to 30 ft. Supplied ready for placing without fitting or cutting, these composite beams rely on steel for their strength, light weight and rigidity—permit unobstructed passage of pipes etc., and save time, trouble and timber.



METAL SECTIONS LTD.

can undertake the manipulation and fabrication of sections into components or sub-assemblies, finished in a variety of ways by rust proofing, painting, plating, etc. Below are a few examples:—

Partition frames. Picture rails. Dado rails and skirtings. Corner Beads for Plaster. Wall panel frames. Door frames and trims. Gutters and Window trims. Non-standard window glazing sections. Glazing bars. Shutter laths. Sliding door runners. Precast concrete forms. Panel retaining trims. Miscellaneous trims and decorative finishing strips. Cover strips. Fixing strips for wall and ceiling linings. Prefabricated house, school, etc. sections. Snap or clip-on mouldings. Special reinforcing rods. Fire-place surrounds. Special flashings. Laths. Floor and Roof decking. Aluminium roofing panels. Stair treads and risers. Venetian Blind laths. Louvres. Doors. Window weather strips. Drawer slides. Conduit ducts. Furniture and Kitchen equipment sections.

Full details on request to:
METAL SECTIONS LTD.
OLDBURY, BIRMINGHAM
Tel. BR0adwell 1541



WHAT DOES

*"automatic
control"*

REALLY MEAN ?

Unlike many so-called 'automatic' heating and air conditioning control systems, *Teddington* automatic controls do live up to their name ! They are so reliable that routine checks become a sheer formality. Fuel consumption and maintenance are at a minimum.

Teddington control systems save the time and money of everyone concerned—right from the first installation plans to regular, economical operation.

The *Teddington* range of automatic equipment is one of the widest in the world. Industrial, commercial, domestic installations—there's equipment available for systems of any size—any degree of complexity. And behind it all is a proud record of 25 years of research and development in this exacting, highly specialised field.

We don't keep this experience to ourselves ! Our advisory service is always ready to help in the preparation and operation of control schemes.

Your further enquiries are invited.

TEDDINGTON
INDUSTRIAL EQUIPMENT LTD.

*A new company specialising in
industrial control systems*

ROOM THERMOSTATS
INDUSTRIAL THERMOSTATS
INDICATING CONTROLLERS
MOTORISED VALVES
AUTOMATIC PILOT DEVICES
PRESSURE CONTROLS
DIAL THERMOMETERS
STRAIN GAUGES
ELECTRIC PROPORTIONING
VALVES
ELECTRIC PROPORTIONING
CONTROLS
DUCT THERMOSTATS
IMMERSION THERMOSTATS
THERMOSTAT VALVES
MAGNETIC VALVES
GAS THERMOSTATS
GAS PRESSURE SWITCHES
RELAY VALVES
HUMIDITY CONTROLS
SAFETY DEVICES
SEAMLESS METALLIC BELLOW
SWITCHGEAR
CONTROL PANELS
and instruments and precision
equipment for I.C. engines.



SUNBURY-ON-THAMES,
MIDDLESEX.
Telephone :
Sunbury-on-Thames 600 (9 lines)
Grams :
" Teddequip—Sunbury-on-Thames."

FACTS

1. Iron Fireman engineers introduced automatic coal stoking to this country.
2. The Iron Fireman is available in various models and over 30 sizes to suit every need.
3. An Iron Fireman soon pays for itself in fuel saved.
4. A user has stated: "Every time you sell an Iron Fireman you are doing the user a good turn".

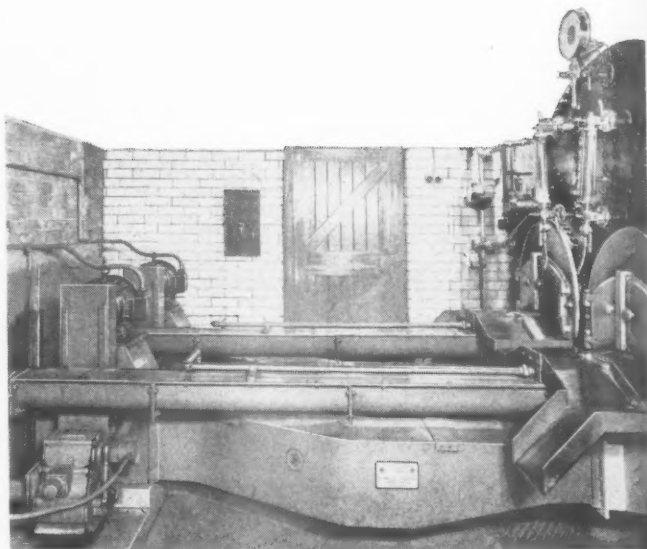
FIGURES

A recent computation for the comparative cost of producing 1,000,000 B.Th.U.'s per hour is as follows:—

Coal fired by Iron Fireman	...	38 pence
Oil	...	92 pence
Gas	...	139 pence
Coke hand fired	...	70 pence

(plus labour in stoking)

For convenience, cleanliness, fuel economy, safety and durability the Iron Fireman is unexcelled. It is built to the finest standards of British engineering and when installed becomes an integral part of the heating plant itself. The fullest technical advice on the most suitable type of machine to suit your boiler may be had from any of the offices listed below.



*For proved
fuel economy—*

Iron Fireman
"FIRST AND FOREMOST"
Automatic Coal Stokers



ASHWELL & NESBIT LTD., BARKBY ROAD, LEICESTER

LONDON: 12 GREAT JAMES STREET, W.C. 1
MANCHESTER 13: 184 OXFORD ROAD

LEEDS 6: 32 HEADINGLEY LANE

BIRMINGHAM 4: 12 WHITTALL STREET
GLASGOW: 103 DOUGLAS STREET, C.2

FLASH! Hangers Fabriguard
has been chosen for the INTERIOR and
EXTERIOR wall decoration
at **BUTLIN'S Ocean Hotel**
Brighton. Contractors:
Web Decorators Ltd., Skegness.



*Post this coupon for details
of this amazing product—*

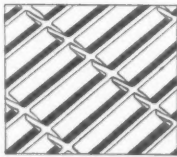
To the Technical Director:
HANGERS PAINTS LIMITED, HULL
Please send me particulars of your
FABRIGUARD Emulso-Plastic paint.

Name
Address

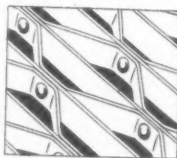


FLOORING SYSTEMS

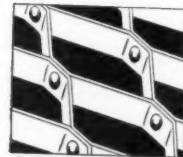
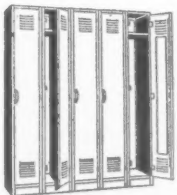
Put the
factory on
a sound
footing



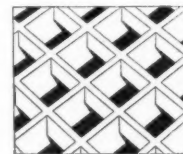
FLOWFORGE



* FLOWMESH



* FLOWMESH LIGHT



FLOWGRID

Open steel flooring that provides maximum load-carrying capacity, with minimum weight.

The ideal solution to the problem of providing light-passing, ventilating, non-slip floors.

Four standard types provide a choice to meet any requirement . . . in strength, in lightness and in price.

All types are obtainable as stair and ladder treads, fitted with standard end plates.

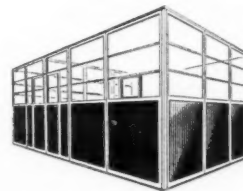
Can be cut to the most intricate outlines, to fit round machines, form operating platforms, etc.

** These two types are also available in Aluminium Alloy—non-corrodible and non-sparking*

Please Send For Fuller Details

FISHOLOW LEADS IN STEEL FACTORY EQUIPMENT

FLOWSCREEN Partitioning, FLOWDOOR Clothes Lockers, FLOWSTOR Mobile Storage Systems; FISHOLOW Cycle Racks; FISHOLOW Shelving; FLOWSTOCK Storage Units; FLOWLINE and FLOWLINK Conveyors; FLOWCLINE Portable Conveyors; FLOWSTACK Pallets, FLOWCLAMP Storage Rack System; FLOWPAN Rack Storage, FLOWRACK Box Storage, etc.



See us at Stand 1318 OUTDOOR B.I.F. BIRMINGHAM—April 27–May 8

FISHER & LUDLOW LTD.
MATERIAL HANDLING DIVISION
Bordesley Works, Birmingham, 12. Tel: VIC 2371

London Office: 46, Baker Street, W.1. Tel.: WELbeck 5402.

Manchester Office: Clifton Lodge, Park Crescent, Victoria Park, Manchester, 14. Tel.: Rusholme 6307.

Liverpool Office: 604, Tower Building, Water Street, Liverpool 2. Tel.: CENTral 1170.

Cardiff Office: 10 Dumfries Place. Tel.: Cardiff 29045.

Glasgow Office: 1, Clifton Street, Glasgow C.2. Tel.: Douglas 4297. Also at Belfast and Dublin.

'BROADS TRUCAST' DUCT COVERS

*Specially designed
for use in ———*

POWER STATIONS, HOSPITALS
SCHOOLS, KITCHENS
LABORATORIES, BOILER HOUSES, ETC.

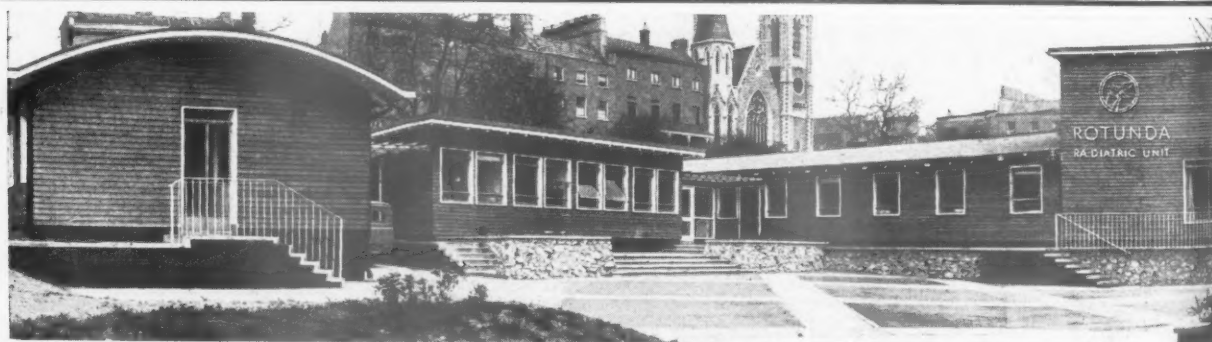
'Broads Trucast' Duct Covers are available in widths from 6" to 36", with Cast Iron Sectional Frames for bolting together to form continuous runs, with necessary angles and branches of various sizes. The Cast Iron Covers and Frames have machined seatings and the covers are recessed for filling on site to match the surroundings.



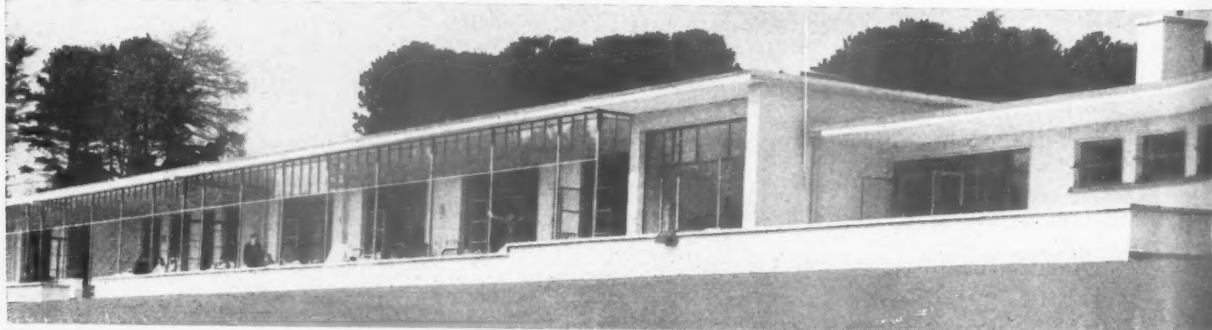
BROADS

★ Technical Staff are available to visit site to check final details and offer expert advice on layouts. Liaison is also maintained with contractors during installation. Full details submitted on application.

4 SOUTH WHARF, PADDINGTON, LONDON, W.2 Tel.: PAD. 7061 (20 Lines)



Rotunda Hospital, Dublin: New Padiatric Unit. Architect: Alan Hope, B.Arch., A.R.I.B.A.



Newcastle Sanatorium, Co. Wicklow. Architect: Alfred Phillips, M.R.I.A.I.

Building in Ireland . . . ? Steel Windows by

STRUCTURAL ENGINEERS AND
MAKERS OF FINE STEEL WINDOWS,
GATES AND RAILINGS.

SMITH & PEARSON LTD

NEWCOMEN WORKS, OSSORY ROAD, DUBLIN

This wall through-drilled — in 3 minutes!

The astonishing cutting-power of Durium Drills is well demonstrated by this test on Fletton brick in our laboratory. Brick hardness and working conditions vary too widely to generalize about drilling times, but this test does emphasize the fact that masonry drilling is vastly more speedy with Durium Drills than by any other method.

The Durium tips, are harder than any steel or alloy, being made of a new specially tough carbide tungsten almost as hard as a diamond. Look for the name 'Durium' on the shank—no other is a genuine Durium Drill. Durium Drills prevent 'break-away' at the back of hollow materials and can be used with great success even in a hand-drill or brace.

Write for details of Durium Drills and the Rawlplug R.P.I. Electric Drill, the ideal power tool for them. And if you have a fixing problem, tell us about it. Our Technical Service Dept. will be delighted to help you.

Durium-tipped—that's the point!

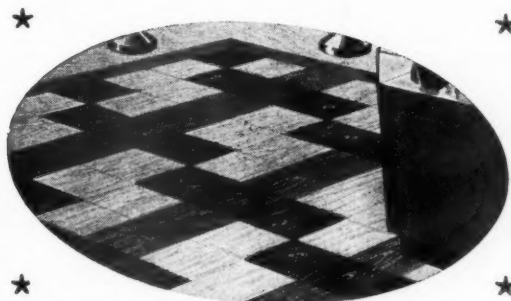


THE RAWLPLUG CO LTD
CROMWELL RD • LONDON • SW7



PHENCO FLEXIBLE-PLASTIC FLOORING

**puts business
on a better footing**



In banks and offices, factories and shops, hotels and restaurants—in all places where traffic is heavy and smart appearance essential—Phenco puts business on a better footing. And with its non-slip surface and sound-deadening resilience Phenco is the natural choice for schools and hospitals as well. Furthermore, as Phenco is proof against a wide range of chemical attack, schemes incorporating labs and kitchens also fall within its wide range of applications. Colour? Well, there are over twenty to choose from—plain and marbled—and, with Phenco being available in rolls or tiles, the design possibilities are virtually endless. Write now for fully descriptive literature and put your foot down—insist on Phenco!

Phoenix Rubber Co. Ltd.

91, BISHOPSGATE, LONDON, E.C.2 • TELEPHONE: LONDON WALL 3564 • TELEGRAMS: PHENRUB, STOCK, LONDON

ap THE ARCHITECTURAL PRESS

A group of books on domestic architecture

SMALL HOUSES, £500-£2,500 (*at pre-war prices*). Edited by H. Myles Wright A.R.I.B.A. An extensive survey containing photographs and plans of a large number of houses of widely different types. A selection of interior views is also included, and to every house is appended a descriptive note giving particulars of the site, plan, construction, services, equipment and cost. *Size 11½ ins. by 8¾ ins. 112 pp. Illustrated. Second Edition. 15s. net. Postage 7d.*

THE MODERN HOUSE by F. R. S. Yorke, F.R.I.B.A. This book is divided into six sections: Introduction—Plan—Walls and Windows—Roof—Experimental Houses—General Illustrations. This last section contains over 140 pages of photographs, plans, constructional details and descriptions of English, American and Continental houses. *Size 10 ins. by 7 ins. 232 pp. over 500 illustrations. Seventh edition. 30s. net. Postage 1s. 1d.*

THE MODERN HOUSE IN ENGLAND edited by F. R. S. Yorke, F.R.I.B.A. This book describes and illustrates the best domestic work carried out by modern architects in this country. All the houses discussed are illustrated by exterior views and plans; and there are also interiors and detail-diagrams of many of them, in addition to full notes on costs, construction, finishes and equipment. *Size 11½ ins. by 8½ ins. 144 pp. over 350 illustrations. Third edition. 21s. net. Postage 1s. 1d.*

THE MODERN FLAT by F. R. S. Yorke, F.R.I.B.A. and F. Gibberd, F.R.I.B.A. A comprehensive, authoritative survey of the new type of flat in its relation to social needs. The book illustrates the evolution of its plan and presents carefully chosen examples of the best recent work in 16 countries. *Size 11½ ins. by 8¾ ins. 208 pp. over 590 illustrations. Third edition. 35s. net. Postage 1s. 1d.*

FOUNDATIONS For Houses and other small Structures by W. H. Elgar, M.A., M.ENG., A.M.I.C.E., F.R.I.C.S. Forewords by Noel Dean, M.A. and James Macgregor, F.S.A. How to arrive at an adequate, safe foundation design whatever the soil and subsoil; how to avoid needless waste of money below ground level; how to test the behaviour and physical properties of subsoils. *Size 8¾ ins. by 5½ ins. 92 pp. with 52 line illustrations. 12s. 6d. net. Postage 5d.*

a complete new, illustrated catalogue will be sent on application to

THE ARCHITECTURAL PRESS

9-13 Queen Anne's Gate London SW1

ap

overseas

- U.S.A. • The British Book Centre Inc., 122 East 55th Street, New York 22, N.Y., U.S.A.
- Canada • The British Book Service (Canada) Ltd., Kingswood House, 1068 Broadview Avenue, Toronto, Ontario, Canada.
- South Africa • E. Maxwell Arnot, P.O. Box 275, Cape Town, S.A.



*A Neat
and Simple
device for more
efficient erection*



Made from Steel Strip, and Electro Galvanised, the OAKLEY Roofing Clip has been designed for use with standard Electro Galvanised Bolts, and round or diamond washers. The Clip is threaded to take the bolt, thus eliminating the use of a nut and speeding up erection. No ugly projection, nothing to corrode . . . the neat head of the bolt being the only part exposed to the weather. Immensely strong and reliable, OAKLEY Clips, with their self-aligning firm fixing, are suitable for all forms of sheet roofing and sidings. Widely used for fixing cladding for numerous post-war building schemes, they are becoming more frequently specified by Architects and Engineers wishing to produce buildings of improved appearance and absolutely reliable construction.



Interior sheet lining secured to angle rails, etc.



Pipe or conduit clips secured to purlins, etc.



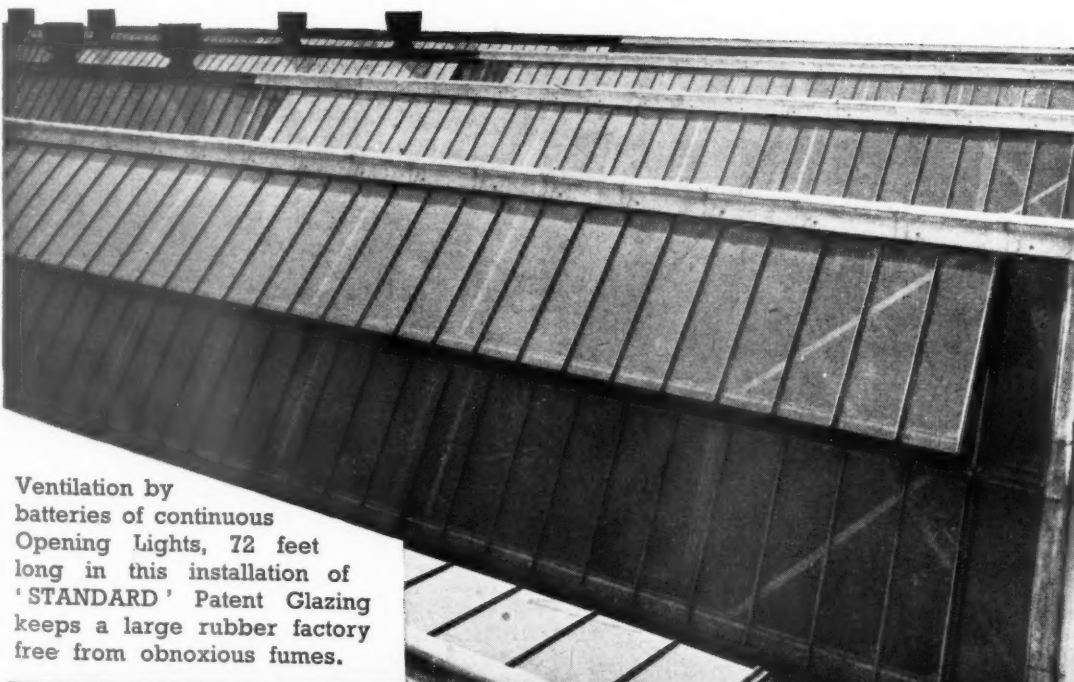
Fixing Rain Water pipes to stanchions.

THE BRITISH SCREW CO. LTD.

THE BRITISH SCREW CO. LTD., 153 KIRKSTALL ROAD, LEEDS, 4.

Tel. No. 30541 (4 lines).

Grams: ANGELL, LEEDS, 4.



Ventilation by batteries of continuous Opening Lights, 72 feet long in this installation of 'STANDARD' Patent Glazing keeps a large rubber factory free from obnoxious fumes.

THE STANDARD PATENT GLAZING CO. LTD

WORKS: DEWSBURY

Phone: 1213-4

LONDON OFFICE

Phone: HOUnslow 3079

Branches at BIRMINGHAM and BRISTOL



METAL LETTERS

for the fascia of this rebuilt store at Southampton were made by us.

We shall be happy to have your enquiries for general sheet metal work of all types.

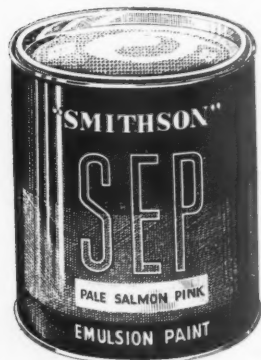
Our new illustrated price list for STAINLESS STEEL or BRONZE letters sent on request.

CHASE PRODUCTS
(Engineering) LTD

27 PACKINGTON ROAD, SOUTH ACTON, W.3
Acorn 1153-4 and at Leeds.

JAMES make good METAL WINDOWS

W. JAMES & CO. LTD.
Hythe Rd. Willesden Junction
LADbroke 3611 N.W.10



THOMAS SMITH & SON LTD

238-240 Whitechapel Road, E.1.
B1Shopsgate 3717-8-9

Time-Tested

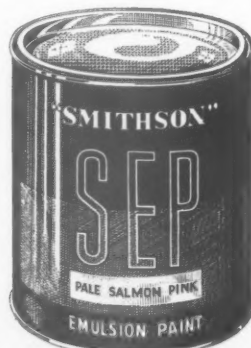
SEP

This Super plastic emulsion paint is the answer to your decorating problems. Ideal for schools, factories, hospitals, hotels and private houses. Easy application reduces labour costs. SEP may be applied to any prepared surface including new cement, new plaster, asbestos sheeting, brick and stone.

manufacturers of superfine

paints since 1790

Available in 30 colours



THE MODERN SHOP

by BRYAN & NORMAN WESTWOOD F./A.R.I.B.A.

THIS BOOK, written by two outstandingly successful shop architects, is concerned with the planning, design and equipment of the smaller retail shop.

'... as a shopfitter I appreciate the great care taken in selecting the photographs. The variety of shops illustrated has accounted for a good deal of painstaking work, and the authors are to be congratulated on the result. We have bought this book for the use of our staff. I am sure that it will be of great value to architects and shopfitters, also shopkeepers; and will encourage all interested to improve the standard of shop fronts and shop fittings. ...' writes Maurice Heggie of Heggie & Aitchison, shopfitters, Edinburgh.

This book is bound in full cloth boards. Size 9½ in. by 7½ in. 183 pp. with 300 illustrations in line and halftone, a bibliography and an index.

Price 30s. net. Postage 8d.

The Architectural Press 9-13 Queen Anne's Gate SW1

FLEXTELLA
CHAIN LINK FENCING

for
TENNIS COURTS
KENNELS
RACE TRACKS
FARMING
INDUSTRIAL PLANTS
PLAYGROUNDS, ETC.
ERECTION
UNDERTAKEN

Write for details to:
FLEXTELLA FENCING & ENGINEERING LTD.
Petersfield Hants.
Telephone: Petersfield 683

SKILLED ERECTION



Hooley's Garage, Nottingham.
Architects:
Eberlin & Derbyshire, F./F.R.I.B.A.

... ANOTHER COLTERRO CONTRACT

Colterro has also been specified as the plaster base by many other Architects, of whom the following are representative:—

F. A. C. Maunder, Dip.Arch.,
F.R.I.B.A., A.M.T.P.I.,
Bucks County Architect
S. W. Milburn & Partners, M.B.E.,
M.C., T.D., F./A.R.I.B.A., A.M.T.P.I.
Guy Morgan, F.R.I.B.A.
Read & McDermot, F.R.I.B.A.
W. J. Reed, F.R.I.B.A.
Basil Spence, F.R.I.B.A., F.R.I.A.S.
A. Steele, A.R.I.B.A.,
Senior Depute City Architect, Edin-
burgh

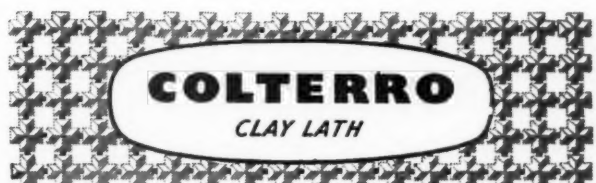
C. G. Stillman, F.R.I.B.A.,
Middlesex County Architect
H. J. W. Stirling, A.R.I.B.A.,
Plymouth City Architect
David Stokes, F.R.I.B.A.
Taylor & Strubbe, F./A.R.I.B.A.
Trehearne, Norman Peston &
Partners, F.R.I.B.A., F.R.I.C.S.
Sir Percy Thomas & Son, F./A.R.I.B.A.,
M.T.P.I.
William Wilson, A.R.I.B.A., A.M.T.P.I.,
Caithness County Architect
Yorke, Rosenberg & Mardall,
F./F./A.R.I.B.A.

Abercrombie & Maitland, F./F.R.I.B.A.
G. Grenfell Baines, A.R.I.B.A.,
A.M.T.P.I.
G. Bartholomew, A.R.I.B.A.,
Dumfries County Architect
Hubert Bennett, F.R.I.B.A.,
West Riding of Yorks County Archi-
tect
Sir John Burnet, Tait & Partners,
F./F.R.I.B.A.
P. V. Burnett & Partners, F.R.I.B.A.
W. J. Carpenter Turner, A.R.I.B.A.
Clyde, Young and Bernard Engle,
F.R.I.B.A.
W. W. Wells-Coates, O.B.E., R.D.I.,
F.R.I.B.A.

Dick, Peddie, McKay & Jamieson,
F./L.R.I.B.A.
J. & E. Eastwick Field, B.A.Arch.,
A./A.R.I.B.A. Dip. Lond.
George Fairweather, F.R.I.B.A.
Gauldie, Hardy, Wright & Needham,
A./A./F.R.I.B.A.
Walter H. Gillespie, L.R.I.B.A.,
Burgh of Alloa Architect
J. Harrison, A.R.I.B.A.,
Surrey County Architect
Hening & Chitty, F.R.I.B.A., A.M.T.P.I.
Howell & Brooks, F.R.I.B.A.
Howard V. Lobb, C.B.E., F.R.I.B.A.
S. H. Loweth, F.S.A., F.R.I.B.A.,
M.L.Struct.E.,
Kent County Architect

**COLT DESIGN, FIX AND SERVICE CEILINGS,
WALLS, AND FABRICATED STRUCTURES, WITH ...**

Backed by the resources of the Colt Organisation. Write now for details
W. H. COLT (London) Ltd., Surbiton, Surrey Telephone: ELMbridge 6511-5



Established over 100 years

BURT, BOULTON & HAYWOOD LTD

Members of
The British Wood Preserving Association

**ELING WHARF, TOTTON
NEAR SOUTHAMPTON
HANTS.**

Telephone: Totton 2196 Telegrams: Burboul, Totton

Timber Importers and Sawmillers

Specialists in
**WOOD PRESERVATION
"CREOSOTE" AND
WOLMAN "TANALITH"**

Head Office:

BRETENHAM HOUSE
LANCASTER PLACE
LONDON, W.C.2

Branches:

BELVEDERE (KENT)
BRIDPORT
BARROW-IN-FURNESS
WEST HARTLEPOOL
NEWPORT (MON.)

Make your buildings
BRIGHT & COLOURFUL
in Coronation Year



Westminister Bank Ltd. Hammersmith Branch
Specified by Architects' Dept. Westminister Bank Ltd.

Sealocrete Decorative Finishes

**for Concrete and allied
Building Materials**

SEALANTEX LIQUID STONE COMPOUND

A decorative stone-like preparation for use on Stone, Asbestos, Concrete, Brickwork, Roughcast, etc. Available in many permanent colours. Can be applied internally or externally, even under water, giving a true non-slip surface to bathing and paddling pools. It does not darken with age but lightens, always giving a new, fresh appearance.

SEALANTEX SMOOTH FINISH

A new, hard, matt finish for interior decoration of cement, concrete renderings, plaster, etc. No saponifying, softening or discolouration from reaction with free lime in cement. It has excellent covering capacity and is available in a number of pastel shades.

SEALOCRETE LIQUID STAIN

Colours asbestos, roofing tiles, brickwork, concrete floors, precast work, etc., permitting the original texture of the surface to remain. Not only does it impart a pleasing colourful effect, it also seals and protects as it stains.

SEALANTONE LIQUID COLOURS

Incorporated in cement renderings, roughcast, etc., give a colourful, decorative, permanent water resistant surface, actually improving the strength and general characteristics of all work in which they are incorporated.



SEALOCRETE PRODUCTS LTD.

Atlantic Works, Hythe Road, London, N.W.10

Tel: LADbroke 0015/6/7

Grams: "Exploiture Wesphone, London"

STAND No. B614 B.I.F. BIRMINGHAM

Vulcanite Roofing

for every type of Roof



Original patentees of Bituminous built-up-roofs

VULCANITE

TRIDENT WORKS · WIGAN
GLASGOW · LONDON · BELFAST



First and Foremost with Stoneware Pipes

More than a century has passed since Sir Henry Doulton pioneered the manufacture of salt-glazed stoneware pipes to replace the unhygienic porous brick sewers of our towns and cities. Today, pipes made by the Royal Doulton Potteries still set the standard for excellence. Continuous research has been devoted to problems of resistance to corrosion and abrasion, smoothness of flow, and mechanical strength. Add to this vital knowledge Doulton's long manufacturing experience, and it is clear why so many plans for new towns, in Britain and abroad, include specifications for Royal Doulton salt-glazed drainage goods.

Obtainable from leading merchant distributors

For further details, write to
Doulton & Co. Limited,
Dept. BE, Doulton House,
Albert Embankment, London, S.E.1.



Royal
DOULTON

SALT-GLAZED DRAINAGE MATERIALS

Contemporary Design in School Furniture

This laminated wood stacking chair is from the Remploy range of standard school furniture. The full illustrated catalogue will be sent on request.

5Lf Laminated wood frame, seat and back: stacking.



by Remploy

REMPLOY LIMITED

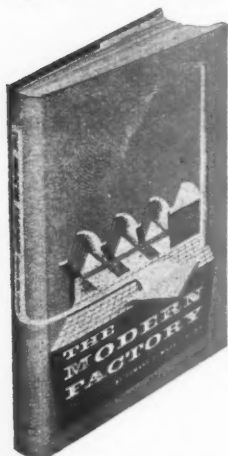
25/28 BUCKINGHAM GATE, LONDON, S.W.1

Telephone: VICTORIA 6621/3

We will be pleased to welcome visitors to our Stand at the B.I.F. Earl's Court (Stand No. Z.25) where Exhibits representative of our very latest designs in School furniture will be on show.

THE MODERN FACTORY

by EDWARD D. MILLS F.R.I.B.A., R.I.B.A. Alfred Bossom Research Fellow, 1953



THIS IS A BOOK for architects and industrialists. Its purpose is to help solve the many present-day problems of factory layout, planning, design and construction. It contains chapters dealing with siting and layout; the factory estate; the design and structural techniques employed for modern factory buildings; technical considerations; storage and warehouse accommodation; administration buildings; industrial laboratories; industrial welfare buildings. There are numerous line-diagrams, tables and working check-lists in the text, and the book illustrates, with photographs and drawings, a selection of the more interesting factories recently built in this country and abroad, factories which are not only efficient production units but also outstanding examples of contemporary architecture. It ends with a comprehensive bibliography.

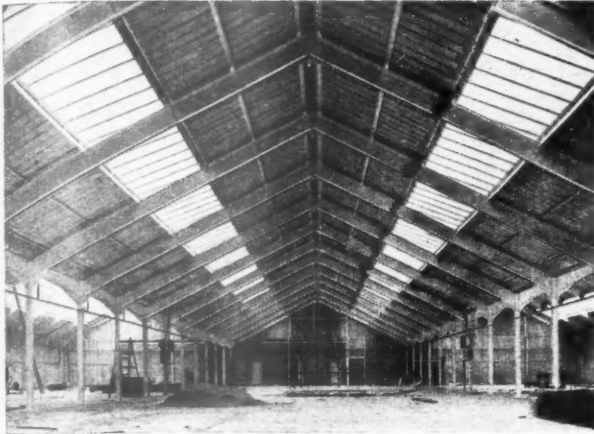
The author, in addition to practising privately since 1936 with notable success over a wide field (including factories, laboratories, canteens) has held several lecturing and examining appointments, has served on a number of advisory panels and is at present a member of the MARS Group executive. He was the zone architect responsible for the Administration Building at the South Bank Festival Exhibition; and he has just been awarded an R.I.B.A. Alfred Bossom Research Fellowship.

Bound in full cloth boards. Size 9½ ins. × 7½ ins. 192 pages including frontispiece and 42 pages of plates; many line drawings, a bibliography and an index.

Price 30s. net. Postage 8d.

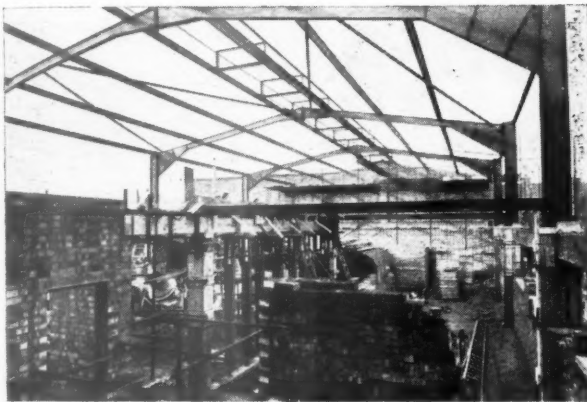
THE ARCHITECTURAL PRESS 9-13 Queen Anne's Gate SW1

CONDER STEELWORK



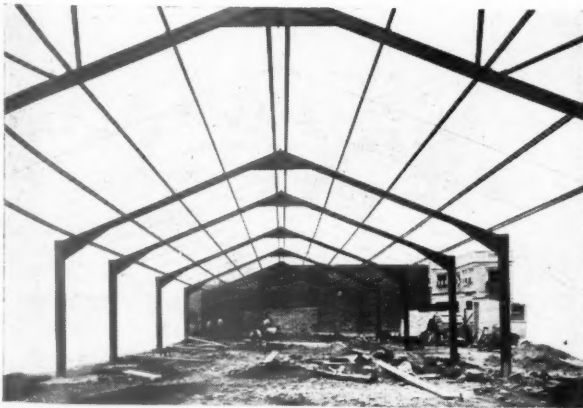
Factory for the Defence Programme
195ft. x 135ft.

Architects: Green & Rudgley
Botley



Transport Depot with Two Ton
Hoist at Midspan
Marston Valley Brick Co. Ltd.

Architects: A. F. Hare
& Partners



Store & Control
Rediffusion Ltd.

Architects: Brian Sutcliffe
& Partners

All types of Light and Medium Steelwork
Excellent Service and Competitive Prices

CONDER ENGINEERING Co. LTD.

WINNALL

Telephone:
Winchester 2683

WINCHESTER

xciii

Up she goes



overhead & out of the way!



- with the

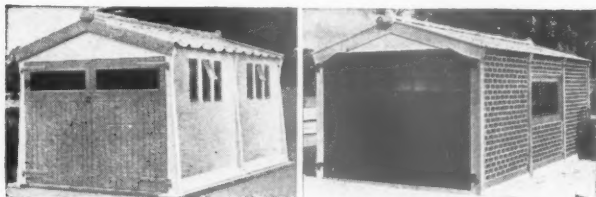
ACROW

UP & OVER Garage Door Fitting

You can now buy this beautifully made mechanism which converts your old-fashioned garage door into the luxury "Up and Over" type at the amazingly low price of £10.6.2.

Send now for fully descriptive leaflet AJ/DF

ACROW (Engineers) LTD., SOUTH WHARF, PADDINGTON, LONDON, W.2
Telephone: AMBassador 3456 (20 lines)

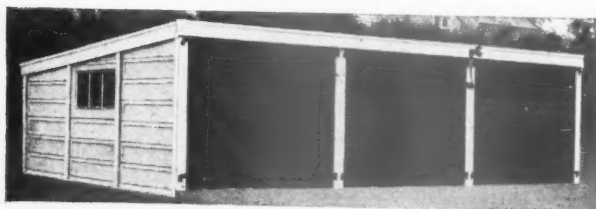


MARLEY GARAGES

meet every need

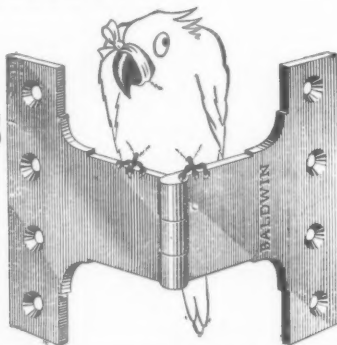
PORTABLE single types from £50 complete.
STANDARD permanent single type from approximately £70 (can be erected in multiples if required). **MUNICIPAL** ranges from two to any number from £60 each. Write for illustrated leaflets.

THE MARLEY TILE COMPANY LTD
 Stifford Road, South Ockendon, Nr. Romford
 Essex. Tel.: Tilbury 893. Farm and Factory Buildings.



Silence is Golden...

FIX
BALDWIN'S
PARLIAMENT
HINGES



Sole Manufacturers:
BALDWIN, SON & CO. LTD., STOURPORT-ON-SEVERN

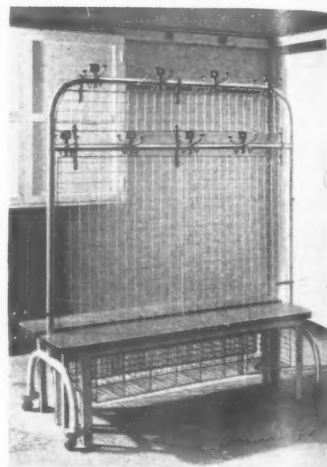
ALL-WELDED MOBILE RACK N° J 9855

Our photograph shows units assembled convenient for establishing temporary cloakrooms.

Many other attractive Units are available.

● A completely new and revised Edition of our **FORWARD MODERN CLOAKROOM CATALOGUE** has been published.

It contains many new hooks including flat section type and special "Motif" hooks for the kindergarten. Also mobile racks for Infant and Nursery Schools, and Kit Lockers for Gymnasium and Factory use.



MODERN CLOAKROOM FITTINGS as specified by leading Architects throughout the Country. Write for Illustrated list MCF80.

Parker, Winder & Achurch Ltd.
 Established over a Century



80, BROAD STREET, BIRMINGHAM 1 * Tel: MIDland 5001
 LONDON: 16 Grosvenor Place, S.W.1 (Sloane 2339)
 MANCHESTER: 16, John Dalton Street, Manchester 2 (BLAckfriars 9478)

THE ONLY COMPREHENSIVE textbook available for students of town and country planning, and at the same time a complete reference book for the practising planner and for other professional workers in allied fields:

Town and Country Planning Textbook. Edited by **APRR.** Foreword by Sir William Holford.

Compiled under the editorship of both the Association for Planning and the School of Planning, it covers the entire new syllabus of the Town Planning Institute. It affords an opportunity of systematic study in physical planning and is divided into sections on 'Geography', 'Planning Survey', 'Social Survey', 'Transport', 'Industry and Power', 'Law and Economics', all of which are contributed by leading experts.

Bound in full cloth boards. Size 8½ ins. by 5½ ins.; 634 pages; a good bibliography. Price 42s. net., postage 10d.

THE ARCHITECTURAL PRESS
 9-13 Queen Anne's Gate, Westminster, S.W.1



FOR over fifty years Libraco Ltd. have been designing and manufacturing furniture and woodwork of all descriptions for

LIBRARIES
SCHOOLS & OFFICES

The illustration shows the **HAMPSTEAD CENTRAL LIBRARY**, recently equipped by Libraco Ltd.

Write for Illustrated Booklet.

LIBRACO
 LIMITED

LOMBARD WALL, WOOLWICH ROAD,
 CHARLTON, LONDON, S.E.7.
 Telephone: Greenwich 3308 & 3309.

Planning for Re/construction

THE ROYAL EXCHANGE
MANCHESTER

Architects
Messrs. Bradshaw Gass &
Hope of Bolton



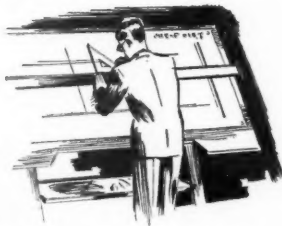
The architect's responsibility is a constant factor in all building operations—whether he plans a large public building or a private residence, his materials must be chosen impartially for their quality and durability.

The reconstructed Manchester Royal Exchange is glazed throughout with WAREING'S METAL WINDOW PUTTY—the finest in the world.

3 Ply-Cord

The perfect Metal Window Putty.

3 PLY-CORD will not crack, run, or wrinkle under extremes of temperature. Definitely waterproof and weatherproof, it can be painted within a few days of glazing.



WAREING BROTHERS

and Company Limited
Carlton Street Works, Bolton.
Established 1905

Bolton 1566 (2 lines) & 227

BURN BROS

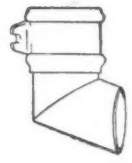
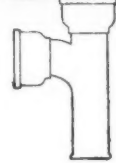

THE LARGEST
STOCKISTS OF

Cast Iron Soil & Rainwater Pipes & Gutters

Over 100,000
Castings in Stock



We can supply all types of Cast Iron Sanitary goods. Our technical staff will be pleased to advise on any sanitary, sewage or drainage problem.

 2,000 RAINWATER PIPES AND FITTINGS	 10,000 DRAIN PIPES AND FITTINGS (incl. Watermain)	 85,000 L.C.C. PIPES AND FITTINGS
--	---	--

ALSO COPPER & MALLEABLE FITTINGS, TUBES, Etc.

Send for our new illustrated catalogue
and make it your stand-by.

BURN BROS. (LONDON) LTD.

DRAINAGE AND SANITARY ENGINEERS
MANUFACTURERS OF DRAIN TESTING
APPLIANCES

6-8 STAMFORD STREET, LONDON, S.E. 1

Telephone: WATerloo 5261 • Telegrams: Abrasion 'Sedist' London

THAT'S FINE -

TRUST SMITH & RODGER
PAINTS FOR A GOOD JOB

Smooth flowing, excellent covering power and a finish that will last, Smith & Rodger's Paints and Varnishes are trusted favourites with decorators all over the country.

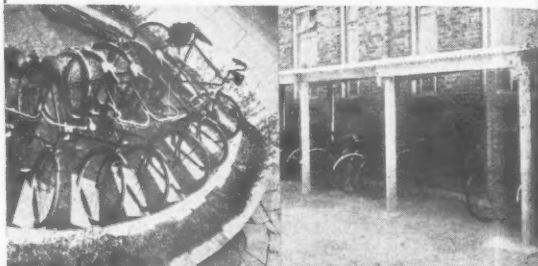


**SMITH &
RODGER**
PAINTS •
VARNISHES

The range includes
Vitamel High Gloss Paint
Waldura Washable Water Paint
Solvit Paint Remover
Vitacharm Flat Paint
Waldon Wall Paint
(Synthetic Emulsion Type)

SMITH & RODGER, LTD. 32/38 ELLIOT ST., GLASGOW, C.3
Telephone: CITY 6341-2 Telegrams: "SMITROD" GLASGOW C.3.

Stelcon BICYCLE PARKING



BICYCLE BLOCKS

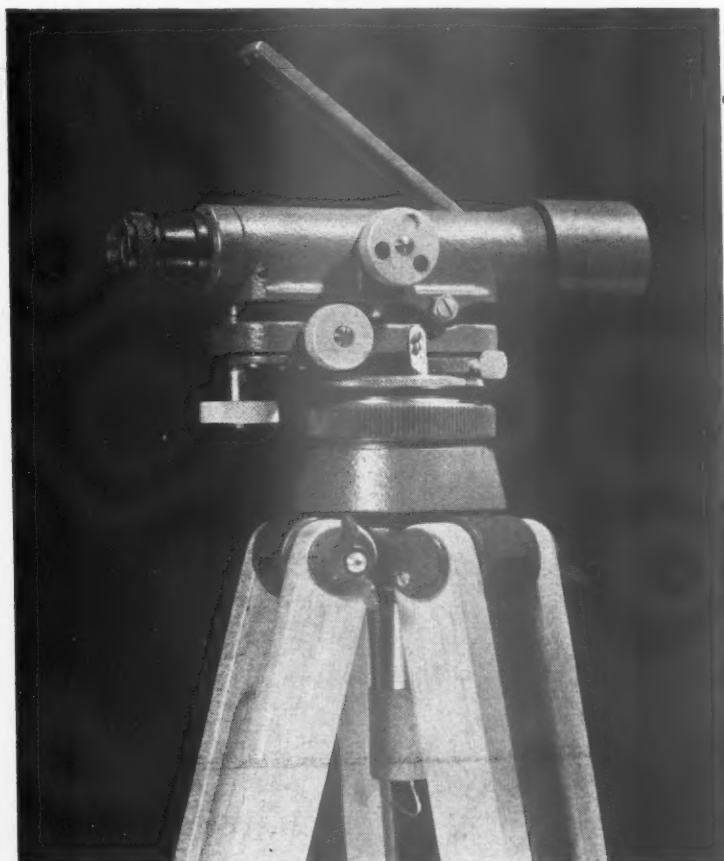
SHED UNITS

Stelcon Bicycle Blocks and Shed Units are made of reinforced concrete and are therefore resistant to corrosion in all weathers.

The Blocks remain firmly in position on the ground under their own weight and when let into the surface of the park cause no obstruction when not in use. Full details sent on request.

★ practical ★ orderly ★ durable

STELCON (INDUSTRIAL FLOORS) LTD.
CLIFFORDS INN. Tel. HOL 2916. LONDON, E.C.4



WATTS "QUICKSET" LEVEL

An inexpensive and very portable level for general work. Its modern design with ball base and tilting telescope allows it to be set up and used rapidly and accurately even by less skilled workers.

0.01ft. can be observed at 300ft., and horizontal angles laid out to $\frac{1}{2}^\circ$. A tangent screw is fitted and the azimuth scale can be set to zero. The telescope has 1:100 stadia. Weight of instrument and tripod only 8½ lbs.

Please write for list AJ/78 to

HILGER & WATTS LTD

WATTS DIVISION

48 Addington Square, London, S.E.5

Member of the Export Marketing Company SCIEC

CLASSIFICATION
Advertisement
Manager, "The
Queen A
should read
morning for
paper.
Replies to
care of "The
given above

Public
25s.
The eng
advertisement
Office of the
Employment
aged 18-64
inclusive u
accepted 1
of Vacancy

BOROU
A.
Applicatio
JUNIOR
The salary
Grade II c
to £540 p
Candidate
amination
The appo
ment Super
Conditions
Council, of
the passing
Applicatio
Assistant,"
and experie
signed, wi
not later
Canvassi
should dis
official of

"Dinsdale

RU
RU
APPOIN

The Co
Architects
at a sala
tions of
Chief Off
at £800 p
factory s
£950 per
Further
can be o
it is retu

Council
Wishbe
28th Mar

BOROU
Applic
an ARCH
in accor
National
minimum
when th
Applic
worked
years s
mediate
The ap
Scheme
the Cou
annuati
candidat
Applic
experien
names a
to the B
Road, W
1953.
Canva

Town F
31st M
CRO
DEPU
by the
contract
includin
experien
a year.
payable
depende
year. I
for the
the cos
over 30
Apply
bank, l
letters,
quoting

CLASSIFIED ADVERTISEMENTS

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

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

Public and Official Announcements

25s. per inch; each additional line, 2s.

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 in laurie or a woman aged 18-59 inclusive unless he or she, or the employment is excepted from the provisions of the Notification of Vacancies Order, 1952.

BOROUGH OF BLYTH.

BOROUGH ENGINEER'S DEPARTMENT.
AMENDED ADVERTISEMENT.

Applications are invited for the appointment of a JUNIOR ARCHITECTURAL ASSISTANT. The salary for the appointment will be Grade II of the A.P.T. Division, £495 per annum to £540 per annum, by annual increments of £15.

Candidates should hold the Intermediate Examination of the R.I.B.A.

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

Applications, endorsed "Junior Architectural Assistant," stating age, qualifications, training and experience, must be delivered to the undersigned, with copies of three recent testimonials, not later than 24th April, 1953.

Canvassing will disqualify, and applicants should disclose relationship with any member or official of the Council.

EDWIN W. CARTER,

Town Clerk.

"Dinsdale," Marine Terrace, Blyth,
Northumberland.

8479

RURAL DISTRICT COUNCIL OF

MARSHLAND.

RURAL DISTRICT COUNCIL OF

WISBECH.

APPOINTMENT OF ARCHITECT TO THE

COUNCILS.

The Councils invite applications from qualified Architects for the above-mentioned appointment at a salary in accordance with the recommendations of the Joint Negotiating Committee for Chief Officers of Local Authorities, commencing at £600 per annum and rising, subject to satisfactory service, by annual increments of £50 to £950 per annum.

Further particulars and Form of Application can be obtained from the undersigned, to whom it is returnable by Monday, the 20th April, 1953.

RONALD E. DIXON,

Clerk of the Councils.

Council Offices, Alexandra Road,
Wisbech, Cambs.

8505

BOROUGH OF WIDNES.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, at a salary in accordance with A.P.T. Grade IV/V of the National Scale of Salaries, commencing at the minimum of Grade IV and rising to Grade V when the occupant becomes registered Architect.

Applicants must be student R.I.B.A., and have worked in an Architectural office for at least two years subsequent to having passed the Intermediate Examination.

The appointment will be subject to the National Scheme of Conditions of Service as adopted by the Council, and to the Local Government Superannuation Act, October, 1937, and to the successful candidate passing a medical examination.

Applications, stating full particulars of age, experience and qualifications, etc., together with names and addresses of two referees, to be sent to the Borough Architect, Brendan House, Widnes Road, Widnes, not later than Tuesday, 21st April, 1953.

Canvassing directly or indirectly will disqualify.

FRANK HOWARTH,

Town Clerk.

Town Hall, Widnes.

31st March, 1953.

8516

CROWN AGENTS FOR THE COLONIES.

DEPUTY ARCHITECT (AG/M.29839.D) required by the Central Electricity Board of Malaya on contract for three years. Commencing salary, including allowances, according to age and experience, equivalent to £1,218 rising to £2,100 a year. Additional allowances up to £630 a year payable to married men according to salary and dependents. Gratuity at rate of £200 or £280 a year. Liberal leave on full salary. Free passages for the officer and his wife and assistance towards the cost of children's passages. Candidates not over 30 years of age must be A.R.I.B.A.

Apply in writing to the Crown Agents, 4, Millbank, London, S.W.1, stating age, name in block letters, full qualifications and experience and quoting reference number of post applied for.

8553

BOROUGH OF BASINGSTOKE.

ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of CLERK OF WORKS. Salary: Miscellaneous, Grade V (£480-£540). Considerable experience of Housing is essential. Applications together with either copies of two recent testimonials or the names and addresses of two referees must be submitted not later than Monday, 20th April, 1953, to the Borough Architect, Municipal Buildings, Basingstoke.

MEIRION O. JONES,

Town Clerk.

8528

HEBREW INSTITUTE OF TECHNOLOGY,

HAIFA, ISRAEL.

Applications are invited for the post of ASSOCIATE PROFESSOR in the Faculty of Architecture & Town Planning. Conditions of appointment may be obtained from the Secretary, The Technion Society of Great Britain, 13, Mansfield Street, London, W.1.

8549

COUNTY BOROUGH OF SOUTHEAST-ON-SEA.

DEPUTY BOROUGH ARCHITECT.

Applications are invited for this established post at a salary of £1,050, rising by annual increments of £50 to £1,250 per annum.

Applications, together with the names of three referees, should be addressed to the Borough Architect, 30, Alexandra Street, Southend-on-Sea, to be received not later than Saturday, 25th April, 1953.

ARCHIBALD GLEN,

Town Clerk.

8548

IRLAM URBAN DISTRICT COUNCIL.

QUANTITY SURVEYOR OR

ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Quantity Surveyor or Architectural Assistant, A.P.T. Grade V, £595-£645 per annum, with experience in Local Authority housing work.

Preference will be given to candidates having quantity surveying and architectural experience, and with an appropriate qualification in one of those subjects. The appointment will be subject to one month's notice in writing, the provisions of the Local Government Superannuation Act, 1937, and the passing of a medical examination.

Applications, stating age, qualifications and experience, accompanied by copies of two recent testimonials, should be received by the undersigned not later than 10 o'clock on Wednesday, 29th April, 1953.

FRANK ROBERTS,

Clerk of the Council.

Council Offices, Irlam,

Nr. Manchester.

10th April, 1953.

8547

COUNTY BOROUGH OF BOLTON.

Applications are invited for the permanent appointment of an ARCHITECTURAL ASSISTANT in the Borough Engineer and Surveyor's Department at a salary in accordance with Grade A.P.T. III/IV of the National Scales (£525-£600). Commencing salary will be fixed according to the candidate's experience and qualifications. Candidates must have passed the Intermediate Examination of the R.I.B.A.

The appointment is subject to the provisions of the Local Government Superannuation Acts.

Applications on forms to be obtained from me should be returned not later than 24th April, 1953, in envelopes endorsed "Architectural Assistant."

PHILIP S. RENNISON,

Town Clerk.

8555

Town Hall, Bolton.

COUNTY BOROUGH OF ROCHDALE.

BOROUGH SURVEYOR'S DEPARTMENT.

Applications are invited for the undermentioned appointments in the Borough Surveyor's Department.

(a) ASSISTANT ARCHITECT, Grade A.P.T. (Va), Salary Scale £525-£685 per annum.

(b) ASSISTANT QUANTITY SURVEYOR, Grade A.P.T. (V), Salary Scale £595-£645 per annum.

Applicants for (a) must be registered Architects and should be suitably qualified. Membership of the R.I.B.A. will be an advantage. They should have a thorough knowledge of architectural work with practical experience in the design of public buildings of all types.

Applicants for (b) must have passed the Final Examination of the R.I.C.S. (Quantities section) and should have had considerable experience in the preparation of Bills of Quantities, measurement of site works and the preparation of Statements for Interim and Final Payments.

The appointments will be subject to the provision of the Local Government Superannuation Acts and to the selected candidates passing a Medical Examination. Canvassing is prohibited and candidates must disclose whether to their knowledge they are related to any member or Senior Officer of the Council.

Applications stating position applied for, age, qualifications and full particulars of experience, together with the names and addresses of two persons to whom reference may be made, must be delivered to the Borough Surveyor, Town Hall, Rochdale, not later than Tuesday the 5th May, 1953. Envelopes endorsed "Assistant Architect" or "Assistant Quantity Surveyor"

K. B. MOORE,

Town Clerk.

8556

BOROUGH OF WALTHAMSTOW.

COMMITTEE FOR EDUCATION.

ARCHITECT'S DEPARTMENT.

Applications are invited from Registered Architects for the following permanent appointment in the office of the Architect to the Committee, Mr. Frank H. Heaven, A.R.I.B.A., A.R.I.C.S., CHIEF ASSISTANT ARCHITECT at a salary of £760, rising by increments of £25 to £835 per annum (Grade VIII of National Scales).

In addition, a London Weighting (£30 if 26 years of age and over, or £20, if of age 21 to 25) is payable.

Applicants must be Associate Members of the R.I.B.A. or hold an equivalent qualification and have had considerable experience in a similar post of design construction and contract administration with a local authority. Experience in maintenance of buildings and control of staff would be an advantage.

Forms of application may be obtained from, and should be returned to, the undersigned within three weeks of the appearance of this notice.

E. T. POTTER,

Borough Education Officer.

Education Office, Town Hall,

Forest Road, Walthamstow, E.17.

8534

CITY AND COUNTY OF

NEWCASTLE-UPON-TYNE.

Applications are invited for the following appointments in the City Architect's Department arising out of the re-grading of certain posts in the Establishment—

(a) SENIOR QUANTITY SURVEYOR, A.P.T. Division, Grade VIII (£760-£835).

(b) SENIOR ASSISTANT QUANTITY SURVEYOR, A.P.T. Division, Grade VII (£710-£785).

(c) SENIOR ASSISTANT QUANTITY SURVEYOR, A.P.T. Division, Grade VI (£670-£735).

Candidates for the above appointments should be thoroughly experienced in the preparation of Bills of Quantities, Specifications and Estimates for Housing, Flats and Building Work of a general character, and the settlement of final accounts.

Preference will be given to professional Associates of the R.I.C.S.

The appointments will be subject to the National Conditions of Service as adopted by the City Council, to the provisions of the Local Government Superannuation Act, 1937, and to one month's notice on either side. Successful candidates will be required to pass a medical examination.

Applications stating position applied for, age, particulars of training, qualifications, experience, present and past appointments together with copies of two recent testimonials or the names and addresses of two persons to whom reference may be made, should be addressed to George Kenyon, A.R.I.B.A., A.M.T.P.I., City Architect, 18, Cloth Market, Newcastle-upon-Tyne, 1, not later than Saturday, the 25th April, 1953.

JOHN ATKINSON,

Town Clerk.

Town Hall,

Newcastle-upon-Tyne, 1.

31st March, 1953.

8535

CITY OF NOTTINGHAM.

HOUSING ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment with N.J.C. service conditions:—

ASSISTANT QUANTITY SURVEYOR. Commencing salary £595-£645 in accordance with qualifications and experience.

Preference will be given to members of The Royal Institution of Chartered Surveyors.

Applications, stating age, qualifications, experience, present appointment and salary, and naming two referees, should be made to C. A. Pilkington, Housing Architect, The Guildhall, Nottingham, before the 28th April, 1953.

T. J. OWEN,

Town Clerk.

The Guildhall, Nottingham.

8537

STEVENAGE DEVELOPMENT

CORPORATION.

Applications are invited for the following posts in the Chief Architect's Department:—

(a) ASSISTANT ARCHITECT—Salary grade £655 by £30 to £825.

Applicants should be fully qualified architects with experience of large scale building contracts.

(b) ASSISTANT QUANTITY SURVEYOR—Salary grade £655 by £30 to £825.

Applicants should have experience in the preparation of Bills for all types of work, measurements of variations and settlement of final accounts.

(c) JUNIOR QUANTITY SURVEYOR—Salary grade £475 by £25 to £540.

Housing accommodation will be available in due course in appropriate cases.

Applications, giving details of experience and names of two referees, should be sent to the Chief Administrative Officer, Stevenage Development Corporation, Aston House, Nr. Stevenage, Herts., not later than first post on Monday, 20th April, 1953.

8533

HAMMERSMITH SCHOOL OF BUILDING AND ARTS AND CRAFTS SEPTUAGINT.

LECTURER QUALIFIED IN INTERIOR DESIGN to teach and take charge of course for National Diploma in Design (Special level) under Head of Department. Industrial experience in design and manufacture and teaching experience desirable. Salary: Men—£940 by £25 to £1,040. Women: £752 by £20 to £835 plus £36 or £48 London allowance. Application form and particulars from the School, Lime Grove, W.12, returnable by 29th April. (329.)

8532

**BRITISH ELECTRICITY AUTHORITY.
EAST MIDLANDS DIVISION.**

Applications are invited for the following position within the Division:—
CIVIL ENGINEERING DRAUGHTSMEN,
Construction Department, North Wilford. Vacancy No. 22/53.

Candidates should have experience in design and detail of reinforced concrete structures, piled and slab foundations for heavy plant, culverts, cable subways, etc., for general building construction drainage and sanitation schemes, associated with offices and administrative buildings.

The salary will be in accordance with Grade 5 (£567—£671 per annum) or Grade 6 (£435—£557 per annum) of Schedule D of the National Joint Board Agreement.

The above appointment will be pensionable within the provisions of the British Electricity Authority and Area Boards Superannuation Scheme.

Applications should be submitted on the official form which may be obtained from the Divisional Establishments Officer, British Electricity Authority, Barker Gate, Nottingham, and should be returned to the undersigned.

L. F. JEFFREY,
Divisional Controller. 8536

HER MAJESTY'S COLONIAL SERVICE.
Applications are invited for the following posts:—

ARCHITECT, Public Works Department, Gambia. CDE 112/12/31. Appointment is permanent and pensionable on contract for 3 years in first instance. Salary in the scale £570—£1,000 per annum, point of entry determined by war service and approved experience. An addition of 10 per cent. of basic salary payable for contract appointment plus a gratuity of £100 per annum. Pensionable expatriation allowance varying from £150 to £300 per annum according to basic salary. Non-pensionable cost of living allowance of £115 per annum. Furnished quarters at moderate rates, free first class passages for officer and wife on first appointment and on leave. Leave at rate of 7 days for each completed month of service. Candidates must possess the qualification of A.R.I.B.A. and have had good general experience.

ASSISTANT ARCHITECT, Public Works Department, Kenya. CDE 112/7/05. The appointment is on contract for 36 months in the salary scale £655—£1,320 p.a., the point of entry depending on experience and war service. A cost of living allowance of 30 per cent. of salary, subject to a maximum of £300 p.a., is also payable at present. A gratuity of 13½ per cent. of basic salary is payable on satisfactory completion of contract. Free passages are provided on appointment and on leave for the officer and his wife and children up to a cost of three adult passages. Quarters are provided, when available, at a charge of 10 per cent. of basic salary if furnished and 7½ per cent. if unfurnished. Leave is granted at the rate of 44 days for each month of resident service. Candidates, not exceeding 40 years of age, must be A.R.I.B.A. with at least 4 years' post-qualification experience in an Architect's office. Administrative and practical supervisory experience will be an advantage.

Apply in writing to the Director of Recruitment, Colonial Office, Great Smith Street, London, S.W.1, giving briefly age, qualifications and experience. Mention the reference number shown against the post applied for. 8531

**BOROUGH OF SCARBOROUGH.
BOROUGH AND WATER ENGINEER'S
DEPARTMENT.
APPOINTMENT OF CHIEF ARCHITECTURAL
ASSISTANT.**

Applications are invited for the permanent appointment of Chief Architectural Assistant at a salary in accordance with Grade VII of the A.P.T. Scale of the National Scale of Salaries (£710—£785).

Applicants must be Chartered Architects capable of undertaking the design and supervision of the various works required in a seaside resort.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination.

In a suitable case the Council will be prepared to pay part of the removal expenses and assist in the provision of housing accommodation.

Applications on a form to be obtained from the Borough Engineer, must be delivered to the undersigned not later than 4th May 1953.

H. V. OVERFIELD, M.I.C.E.,
Borough and Water Engineer.
Town Hall, Scarborough. 8534

NORFOLK COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications invited for permanent appointment of **ASSISTANT ARCHITECT, A.P.T., Grade V** (£595-£645). Candidates must be Members of the R.I.B.A. or hold equivalent qualifications, and have a sound knowledge of design, construction and specifications. Local Government Superannuation Acts and National Joint Council Conditions of Service.

Applications, stating age, training, experience, present appointment and salary, names of three referees (including present employer), to reach C. H. Thurston, L.R.I.B.A., F.R.I.C.S., County Architect, 27, Thorpe Road, Norwich, by 5th May, 1953. 8582

**IMPERIAL ETHIOPIAN GOVERNMENT.
MINISTRY OF EDUCATION.**

Applications are invited for **SENIOR AND ASSISTANT ARCHITECTS.** Candidates must be Associates of the Royal Institute of British Architects. Previous experience of Government or Local Authority work is desirable and a knowledge of French useful. The appointments would be on Contract terms on 3 year tours. Salary will be in the range of 8,000—12,000 Ethiopian Dollars per annum (free of tax) according to age, qualifications and experience. Current exchange rate 87—£1. Return passages paid for officer and wife and housing allowance. Applications to and further particulars from Harris & Gard, Architects and Town Planning Consultants, 4, Greenfield Crescent, Birmingham, 15. 8529

THE NORTH WESTERN ELECTRICITY BOARD.

**APPOINTMENT OF ENGINEERING
DRAUGHTSMAN (BUILDING), SUB-AREA
HEADQUARTERS, BLACKPOOL.**

Applicants should have had a good general and technical education to at least O.N.C. standard in Building and Civil Engineering, and have had experience in general building construction, design and layout of industrial type buildings including site works and services.

Salary scale: £433—£567 p.a. Sched. D, Grade 6. N.J.B. Conditions.

Applications to Sub-Area Manager, No. 5 Sub-Area, The North Western Electricity Board, Jubilee Street, Blackburn, by 25th April, 1953.

JAMES W. CHANT,
Secretary. 8530

PERTH AND KINROSS JOINT COUNTY COUNCIL require ASSISTANT ARCHITECT.

Experience of design and erection of School Buildings an advantage. Salary Scale £550—£650. Particulars and application forms from County Clerk, County Offices, York Place, Perth. Applications to be lodged by 4th May, 1953. 8584

LOTHINGLAND RURAL DISTRICT COUNCIL.

**APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

Applications are invited for the above appointment in the Department of the Architect and Surveyor.

Applicants should possess the R.I.B.A. intermediate examination certificate or its equivalent. The salary to be in accordance with A.P.T. Division Grade 11.

Applicants should have had experience of Local Authority Housing Estates, their design and construction and should be capable of making surveys, preparing plans, etc., in connection with new estate development.

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

Applications stating age, qualifications, present and past appointments, with full details of experience and accompanied by copies of three testimonials must be sent to the undersigned not later than the 2nd May, 1953.

Canvassing directly or indirectly will be a disqualification.

G. W. SETTERFIELD,
Clerk of the Council.

Council Offices,
Rectory Road, Lowestoft.
11th April, 1953. 8585

COUNTY BOROUGH OF ROTHERHAM.

**APPOINTMENT OF CHIEF ASSISTANT
ARCHITECT (GRADE VIII).**

Applications are invited for the above appointment in the Architect's Department in the office of E. J. Manson, B.Eng., A.M.I.C.E., Borough Engineer, at a salary in accordance with Grade VIII of the A.P.T. Division of Scales (£760-£835).

Applicants must be Registered Architects and Associate Members of the Royal Institute of British Architects, and have had considerable experience in design, construction and contract administration, preferably with a local authority, particularly in connection with housing schemes.

Applications, to be endorsed "Chief Assistant Architect," stating age, qualifications, architectural training and details of experience, together with copies of three recent testimonials, should be received by me not later than 5th May, 1953.

Canvassing will disqualify.

JOHN S. WALL,
Town Clerk.

Municipal Offices, Rotherham.
10th April, 1953. 8583

BOROUGH OF LOWESTOFT.

**SENIOR AND JUNIOR ARCHITECTURAL
ASSISTANTS.**

Applications are invited for the above appointments in the Borough Engineer and Surveyor's Department. **SENIOR ARCHITECTURAL ASSISTANT, Grade V** (£595-£645). The Council will take all possible action to assist in obtaining housing accommodation.

JUNIOR ARCHITECTURAL ASSISTANT, General Division (£160-£450). Details of these appointments should be obtained from the Borough Engineer, Town Hall, Lowestoft, and applications should reach this office not later than the 9th May, 1953.

F. B. NUNNEY,
Town Clerk.

Town Hall, Lowestoft.
8th April, 1953. 8580

GOVERNMENT OF NORTHERN IRELAND.

ARCHITECTURAL ASSISTANTS.

Applications are invited for unestablished posts of **ARCHITECTURAL ASSISTANT** in the Ministry of Finance. Successful candidates will be eligible for appointment to pensionable posts from time to time and to a higher grade on obtaining professional qualifications.

The commencing salary will be £450, except in the case of candidates possessing special qualifications or experience, who may enter at a higher figure. The maximum of the salary scale is £575. Pay addition of 10 per cent. on first £450, plus 5 per cent. on remainder, is payable.

Candidates must have passed the Intermediate Examination of the R.I.B.A. and have at least two years' experience in an Architect's drawing office.

Preference will be given to candidates who have served with H.M. Forces in wartime, providing that such candidates are, or within a reasonable time will be, able to discharge the duties efficiently.

Applications, giving date of birth, full details of training and qualifications, should be sent to the Director of Establishments, Ministry of Finance, Stormont, Belfast, not later than 24th April, 1953. 8579

**BRITISH ELECTRICITY AUTHORITY.
EAST MIDLANDS DIVISION.**

Applications are invited for positions as **CIVIL ENGINEERING DRAUGHTSMEN**, in the Construction Department, North Wilford.

Candidates should have experience in design and detail of re-inforced concrete structures, piled and slab foundations for heavy plant, culverts, cable subways, etc., for general building construction, drainage and sanitation schemes, associated with offices and administrative buildings.

The salary will be in accordance with Grade V (£567-£667 per annum) or Grade VI (£433-£567 per annum), of Schedule D of the National Joint Board Agreement.

This appointment will be pensionable within the provisions of the British Electricity Authority and Area Boards Superannuation Scheme.

Applications should be submitted on the official form, which may be obtained from the Divisional Establishments Officer, British Electricity Authority, Barker Gate, Nottingham, and should be returned to the undersigned. Please quote Vacancy No. 22/53.

L. F. JEFFREY,
Divisional Controller. 8581

Architectural Appointments Vacant

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

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-49 inclusive unless he or she is, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

ARCHITECTURAL ASSISTANT required: either fully qualified or approaching final examination. Mixed practice, mainly commercial and industrial. Watson, Johnson Stokes, Victoria Square, Birmingham, 2. 8471

ARCHITECTURAL ASSISTANTS (SENIOR AND JUNIOR) required for general commercial practice. Office experience essential. Full particulars to: Healing & Overbury, Chartered Architects, Rodney Lodge, Cheltenham. 8513

EXPERIENCED ASSISTANT, with first-class constructional ability required. Write stating experience, salary required, to: Louis de Soissons, A.R.A., & Partners, Midland Bank Chambers, Welwyn Garden City, Herts. 8497

ARCHITECTURAL ASSISTANT, age 23-27. At least 3 years' Drawing Office experience, preferably in connection with industrial and commercial buildings, required by City firm of Building Surveyors. Salary £400—£600. Apply Box 8457.

J. SAINSBURY LTD. require Junior Architectural Assistants up to Intermediate standard to fill vacancies in their Building Development Department. Commencing salary up to £500. Applicants must be free of obligation for National Service. Practical office experience required together with sound knowledge of building construction, ability to survey existing premises and prepare working drawings and specifications. Contributory superannuation scheme. Apply giving age, qualifications and experience to Personnel Manager, J. Sainsbury Ltd., Stamford House, Stamford Street, Blackfriars, S.E.1. 8567

ARCHITECTURAL ASSISTANT, Intermediate standard, good draughtsman, required in West London office with general practice. Write stating experience and salary required. Box 8564.

ASSISTANT required, Inter. standard, in North Devon office. General practice. Strand Barnstable. 8555

ARCHITECTURAL ASSISTANT with at least five years' office experience required by a firm of Liverpool Architects. Salary £500 to £600. Applicants should give particulars of experience, the names of former and present employers, age and date when available. Box 8560.

OVERSEAS TECHNICAL SERVICE.

EMPLOYERS requiring Overseas Staff and Employees seeking posts abroad are invited to contact the Overseas Technical Service. Capable hardworking staff are at present required as follows:—

Assistant Architect for rapidly expanding practice. Northern Rhodesia. Preference applicant with a flair for design; limited office experience accepted. Salary between £620—£750 with substantial annual increments. Free passage on initial 3 year contract. Quote Box 56/2.

Architectural Draughtsman or Draughtswoman, for hill station in Tanganyika. Young, with some experience. Salary by arrangement; passage paid out. Quote Box 42/4.

Two Architects to control branch offices shortly to be opened in Northern Rhodesia by established firm. Appointments at Chingola £550 p.a., house available, and at Lusaka £1,060 n.a. Free passage and bonus participation in both cases. Quote Box 37/4 and 37/5 respectively.

Write giving brief personal and professional details and quoting appropriate Box No. to Overseas Technical Service, 5, Welidon Crescent, Harrow. 8566

EXPERIENCED ARCHITECTURAL ASSISTANT required immediately by London firm of Architects. Salary £600 to £700. Apply, giving full particulars, age, training and experience, to Box 8545.

SENIOR ARCHITECTURAL ASSISTANTS required immediately in Hammersmith Road Office. Work will entail the preparation of working drawings and details for contracts involving Multi-Storey Flats, at home and abroad. Salaries, ranging from £600 to £750 per annum, according to experience. Applications, giving brief particulars of experience and qualifications, to Staff Architect, George Wimpey & Co., Limited, 27, Hammersmith Grove, London, W.6. 8541

ASSISTANT required in busy Architects' Office in Bradford with widespread practice. Applicant should be of Intermediate standard at least. Commencing salary to a suitable applicant £400 p.a. with prospects of advancement. Reply to Box 8546.

TWO ARCHITECTURAL ASSISTANTS required for large office in South West with varied Country practice; R.I.B.A. Inter. standard, and practical office experience. Salary according to qualifications and experience. Box 8544.

LONDON ARCHITECT occasionally requires free lance assistants for the preparation of working drawings; experience and good draughtsmanship essential. Box 8578.

ARCHITECTS' DEPARTMENT. F. W.

Woolworth & Co. Ltd., requires a number of Assistants in each of the following grades:—

1. Intermediate Standard or equivalent.
2. Draughtsmen with some Architectural experience. These will be required to take up positions in newly appointed offices in Dudley, Nr. Birmingham. Excellent working facilities, staff dining room arrangements, five day week, pension scheme for suitable personnel. Apply Staff Architect, 56/60a, Dudley Street, Birmingham, stating age, experience and salary required. 8540

OLD ESTABLISHED Home Counties Chartered

Surveyors wish to employ full-time Chartered Architect on staff to build up this aspect of existing practice. Excellent prospects. Write giving age, full details of experience and salary required to Box 8567.

ARCHITECTURAL ASSISTANT; good practical experience working up drawings, mostly domestic, and knowledge of specification writing; salary according to experience. Apply Mann & Co., Chartered Surveyors, 3, High Street, Woking. Tel.: Woking 3800 (4 lines). 8568

ARCHITECTURAL ASSISTANT required with experience of alterations and conversions. Salary £500 to £650 according to ability and experience. S. Dodds & Son, L.R.I.B.A., Museum Buildings, Priestgate, Peterborough. 8569

TWO ARCHITECTURAL ASSISTANTS, Intermediate to R.I.B.A. Final standard, with previous office experience essential, required by Lewis Solomon, Son & Joseph. HOLBORN 5108. 8572

JUNIOR ASSISTANT, with some office experience, required in Architect & Surveyor's office in North-West London. Write stating age, experience and salary required Box 8573.

ARCHITECTURAL ASSISTANT required for small private practice. Minimum intermediate standard. Please reply stating age, qualifications and salary required to J. G. Simpson, A.R.I.B.A., 94, High Road, Woodford Green, Essex. 8574

ASSISTANT ARCHITECT, all-round Housing Experience; well qualified; competent; required immediately. Progressive post; house or flat probably available 1954. Full details including if married, salary, etc., to Mrs. Marianne Walter, A.R.I.B.A., A.M.T.P.I., 11, Collegiate Crescent, Sheffield, 10. 8586

TEMPORARY ARCHITECTURAL

ASSISTANT required immediately. Salary according to ability and experience. R.I.B.A. Inter. Write stating age and experience, or phone E. John Evans, Chartered Architect, 66, High Street, Walton-on-Thames, 2135. 8588

S.E. KENT. Vacancy in small office for Student R.I.B.A. Excellent opportunity for keen young Architect. Starting salary £250 p.a. Box 8551.

Architectural Appointments Wanted

ASSISTANT requires post (not London). Office trained general practice. Car driver. Levelling, surveying, etc. Student R.I.B.A. Box 8552.

ASSISTANT ARCHITECT (25) Dip. Arch. (Polytechnic), A.R.I.B.A., one year's office experience, requires post in South of England. Box 8526.

ARCHITECT (A.R.I.B.A.) age 30, of three years' varied experience, requires part-time job of three days a week in London office. Ken. 9213, ext. 6. 8561

ARCHITECT (A.R.I.B.A.) age 32, of three years' varied experience of design, execution and perspectives of domestic and industrial work, requires a post in the London area. Ken. 9213, ext. 6. 8562

Other Appointments Vacant

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

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952

SECRETARY required five mornings weekly by Architect practising N.W.3. area. Knowledge of book-keeping and previous experience in Architect's office desirable. Box 8570.

SECRETARY/SHORTHAND TYPIST required in Architect's office, W.I. area; part-time; mornings or afternoons; five day week. Please submit details of experience and salary required to Box 8571.

JABLO FLUSH DOORS

PATENTED—EXTON LICENCE

MODERATELY PRICED HIGH QUALITY

British Made CELLULAR CORE Flush Doors FACED WITH PLYWOOD OR HARDBOARD.

- Freedom from warp and wind.
- Exceptional Lightness.
- High Thermal and Sound Insulating Properties.
- The Ultimate Timber economy (.002 Standard per door).



Tested and approved by the Department of Scientific and Industrial Research.

Reviewed by Chief Adviser's Division, Ministry of Works.

FULLY GUARANTEED

The Jablo Flush Door has all the advantages of a solid core door at less than half the cost and weight - the cellular construction provides continuous adhesion and support to the facings, ensuring dead flat surfaces; undulating surfaces so often associated with hollow framed doors are impossible.

MOULDED COMPONENTS (JABLO) LTD., JABLO WORKS, CROYDON.

Telephone: CRO 2201-6922

How TIMBER can replace STEEL in structural work



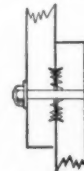
THE HAMPERING effect of the steel shortage can be minimised by the use of more timber for trusses, lattice girders, bracing members, etc. This technique is possible through "Bat" Timber

Connectors—providing immensely strong efficient joints—real engineering practice in timber.

Study the diagrams and it can easily be observed how the "Bat" Connector when bolted 'bites' into the wood. If you would like to know more about the possibilities of timber in structural work send for leaflet—free to all architects.



Double-sided square connector



Timber-to-timber joint



Single-sided square connector



TIMBER CONNECTORS

AUTOMATIC PRESSING LTD.

Bat Works, Blackheath, Birmingham, Staffs.

THE CO-OPERATIVE WHOLESALE SOCIETY LTD., invite applications for the appointment of a Junior Structural Engineering Assistant on the staff of the Manchester Architect's Department at a commencing salary of £475-£550 per annum according to experience and ability. Applicants should have experience in the design and detailing of structural steel, reinforced concrete and foundation works. The appointment is permanent and the successful candidate will be required to undergo a medical examination for entry into a compulsory Superannuation Scheme. Application, stating age, experience and qualifications to be addressed to G. S. Hay, A.R.I.B.A., Chief Architect, Co-operative Wholesale Society Ltd., 1, Balloon Street, Manchester. 8539

LONDON ARCHITECT requires Secretary, preferably with some personal architectural training or background. Please apply, giving full particulars, to Box 6550.

Services Offered

SENIOR EXECUTIVE seeks responsible sales and administrative position in progressive company. Extensive personal connections with architects, Government departments, and local authorities. Excellent references. Box 7880.

SURVEYING and Levelling of Sites, Bills of Quantities, Variation Accounts, Survey of Buildings and Reports. Qualified Surveyor. LIV. 1839. Box 8195.

EXPERIENCED A.R.I.B.A. available London for surveys, working drawings, perspectives, etc.; quick worker. Box 8490

ARCHITECTS accepting free-lance commissions are now able to accept Perspective Sketches or any other Architectural work required by busy offices. Ken. 9213, ext. 6. 8563

For Sale or Wanted

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

RECONDITIONED EX-ARMY HUTS, and manufactured buildings. Timber, Asbestos, Nissen type, Hall type, etc. All sizes and prices. Write, call, or telephone, Universal Supplies (Belvedere), Ltd., Dept. 25, Crabtree Manorway, Belvedere, Kent. Tel.: Erith 2948. 8503

PRINTING & DEVELOPMENT MACHINE FOR DRAWINGS, ETC. OF SPECIAL INTEREST TO ARCHITECTS AND C. E. & B. CONTRACTORS. One Halden 42 in. Carbon Arc Continuous Electric photo copy machine with 1/2 h.p. motor, wired for A.C. 230. V.I. phase. 8587

One B. J. Hall 42 in. Electric Developing Machine with fractional h.p. motor wired for A.C. 230. V.I. phase. Available end February, can be seen working any day by appointment, in perfect condition. Would suit Architect, Surveyor, Builder and Contractor's Office, all reasonable offers will be considered.

Reply to Wilson Lovatt & Sons, Ltd, Clarence Street, Wolverhampton, or telephone Wolverhampton 20661. 8488

FOR DISPOSAL: Twin Arc Lamp Antiquarian continuous photo copier; 1948 model; in excellent condition; offers considered. Write Box 259, c/o Walter Judd Ltd., 47, Gresham Street, London, E.C.2. 8587

BUILDINGS FOR SALE.—Prefabricated Factories, Stores, Workshops, Canteens, Offices, Halls, Clubs, Garages, etc.; large and small. Apply for details and prices, stating your requirements, to J. Thorn & Sons, Ltd., Box No. 126, Brampton Road, Bexleyheath, Kent. (Tel.: Bexleyheath 305.) 7947

ALUMINIUM PRE-FABS FOR SALE. Suitable for offices, seaside accommodation, etc., £250 delivered. Limited number only. D'Arch. Gospel Oak, London, N.W.5. Tel.: GULiver 3644. 8566

DOUBLE ELEPHANT plan filing cabinets for sale; 2 twelve drawer and 1 six drawer; £50, or would sell separately. MANsion House 1777. 8569

PASSENGER LIFT: "Etchells"; 4 persons; drum drive fitted below at side; 9 h.p. Further particulars Box 1972, Robertson & Scott, 42, Charlotte Square, Edinburgh, 2. 8543

WANTED: Plan Chest and other architect's storage furniture and equipment. Ring Kensington 2359 or write Box 8576.

OLD ESTABLISHED Architect & Surveyors practice for sale. Work in hand with good connections and opportunity for expansion. Well equipped offices on lease, 10 miles West of Manchester. Box 8577.

SALE: Handsome Staircase; Carved Oak Balusters, £45. Davidson, 4, Park Road, Penarth, Glam. 8876



A better surface at less cost

Masonite Tempered Presdwood as a form-lining produces a smooth, flawless, and dense surface; concrete requires no further treatment after forms are removed. **Masonite Tempered Presdwood** is Grainless Wood specially impregnated for heavy duty; since 1930 it has been used successfully for shuttering on contracts of all kinds. It can be used repeatedly. It is easy to work on site, does not corrode or leave unsightly marks or stains; it is flexible and ideal for shuttering to curved work.

USED and PROVED FOR OVER 20 YEARS

Write for Technical Catalogue

Masonite Ltd.
Bevis Marks, London, E.C.3
Avenue 2846.



OAKWOOD ROOFING TILES

reduce "overhead" costs

OAKWOOD TILES LTD.
BRADWELL WOOD,
TUNSTALL, STAFFS.

a pocket guide to **MODERN**
buildings in **LONDON**

by **IAN McCALLUM**

is strongly recommended to architects visiting London during 1953: price is 3s 6d net, post 4d

THE ARCHITECTURAL PRESS 9 Queen Annes Gate SW1

Miscellaneous

J. BINNS, LTD. Specialists in the supply and fixing of all types of Fencing, Gates and Cloakroom Equipment. Harvest Works, 100, St. Paul's Road, N.1. Canonbury 2061.

PICTURE FRAMING.—Drawings, Maps, Photographs, etc., framed at short notice. 200 mouldings in stock. Samples and prices on request. Blackman, Harvey, Ltd., 11, Bateman's Buildings, Soho Square, London, W.1. GBR. 3463.

LANCASTER GATE. New modern service block. Flats each containing one room, hall and bathroom (no kitchen) to let unfurnished £3 a week. Furnished £4 4s. 0d. a week. Stephen & Co., 54, Edgware Road, W.2. AMB 6771. 8538

Educational Announcements

I.C.S., I.A.A.S., and I.Q. 8. Exams.—Postal Courses conducted by the Ellis School (Principal: A. B. Waters, M.B.E., G.M., F.R.I.B.A.), 103B, Old Brompton Road, S.W.7. EN. 4477/8/9. Descriptive Booklet on request 7020

R.I.B.A. and T.P.I. EXAMS.—Stuart Stanley (Tutor Sch. of Arch., Lon. Univ.) and G. A. Cooke, M.A./B.A., F./A.R.I.B.A., M.A./M.T.P.I. (Prof. Sir Patrick Abercrombie in assn.), prepare students by correspondence tuition. 10, Adelaide Street, Strand, W.C.2. TEM. 1603/4

LECTURER in prominent Architectural School will give private tuition to students preparing R.I.B.A. testimonials and sitting the examinations. Apply Box 8527.

UNIVERSITY COLLEGE LONDON (Gower Street, W.C.1). Mr. W. A. Eden will give a public lecture entitled "The Study of English Architecture," on Thursday, 7 May, at 5.30 p.m. Admission Free, Without Ticket. E. A. L. Gusterbock, Secretary. 8542

RIBA INTER, FINAL & SPECIAL FINAL

Postal Courses in all or any subjects including Design and Professional Practice. Consultation arranged.

THE ELLIS SCHOOL

Principal: A. B. Waters, M.B.E., G.M., F.R.I.B.A., 103B, OLD BROMPTON RD., LONDON, S.W.7. Phone: KEN 4477/8/9 and at Worcester

ASPHALT WORK TO ALL D.S.S.

COVERITE (ASPHALTERS) LTD.
PALACE GATES 874, H22, Bowes Park 2012

THE WORLD'S GREATEST BOOKSHOP

FOYLES FOR BOOKS

All new Books available on day of publication. Secondhand and rare Books on every subject. Stock of over 3 million volumes.

Subscriptions taken for British and overseas magazines and we have a first-class Postal Library.
We BUY Books, Coins, Stamps.

119-125 CHARING CROSS ROAD WC2
Gerrard 5660 (16 lines) ★ Open 9-6 (incl. Sats.)
Two minutes from Tottenham Court Rd. Stn.



It's a good plan

Dry mounting is the ideal method of mounting architectural drawings, plans and photographic prints. It is absolutely clean, simple to do and is the only method which ensures a perfectly flat finish to the work. Dry mounted maps and plans stay cleaner longer and can be given a protective covering by the Ademco heat sealing process. You'll find it a good plan to send us a trial order.

ADEMCO

The Adhesive Dry Mounting Co. Ltd., (Dept. A. 122)
26 Stamford Street, S.E.1. Tel: WATERLOO 3404.
"ADEMCO" is a registered trade-mark.

EXAMINATION CANDIDATES! you are coached by ICS until you pass

Students enrolling with I.C.S. for examination courses are coached without extra fee until they pass. Many brilliant successes are gained each year in R.I.B.A., R.I.C.S., I.Q.S., I.Struct.E., I.Mun.E., Examinations. Fees are moderate and include all books required. Reduced Terms to H.M. Forces.

WRITE TODAY FOR FREE BOOKLET giving full details of YOUR examination or non-examination subject.

INTERNATIONAL CORRESPONDENCE SCHOOLS
Dept. 5B, 71 KINGSWAY, LONDON, W.C.2

BOX PERSPEX LETTERS

FITTED WITH NEON TUBING INSIDE
CLEAN & NEAT THE WHOLE LETTER
IN DAYLIGHT GLOWS IN DARKNESS
PROTECTS TUBES FROM DIRT & WEATHER

SIGN SERVICE 9, HIGH STREET,
BIRMINGHAM 23
Phones: Erdington 5234/5

FIBROUS PLASTERWORK OF EVERY DESCRIPTION

ALLIED GUILDS

King Edward Square
SUTTON COLDFIELD. Tel: Sut 3809

FENCING

BOULTON

&

PAUL LTD.

NORWICH



WHITE FACING BRICKS

(S. P. W. BRAND)

Telephone: BULwell 78137-8 • Telegrams: "MacLine", Bulwell, Nottingham.

M. MCCARTHY & SONS, LTD
BULWELL • NOTTINGHAM

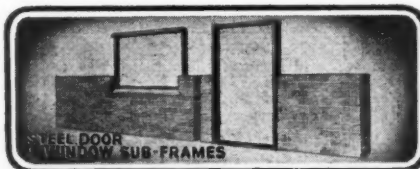
ANOTHER

Sommerfeld's

PRODUCT

LONDON OFFICE: 162, VICTORIA ST. SW1
TEL. VIC. 1000

SOMMERFELDS LTD. WELLINGTON • SHROPS • TELE 1000



Alphabetical Index to Advertisers

Acrow (Engineers), Ltd.....	PAGE xcvii	Empire Stone Co., Ltd.	PAGE v	Mills Scaffold Co., Ltd.	PAGE clv
Adams & Adams	ix	Esavian, Ltd.	xxvii	Moler Products, Ltd.	lxv
Adhesive Dry Mounting Co., Ltd., The...	ci	Farnloe, T. & W., Ltd.	xxviii	Morris Singer Co., Ltd.	ix
Aidas Electric, Ltd.	xxxii	Farrer, Wm. E., Ltd.	xxviii	Moulded Components (Jablo), Ltd.	xcix
Allied Guilds.....	ci	Finlock Gutters, Ltd.	lxxi	Mullen & Lumsden, Ltd.	lvi
Andrew & Sinclair, Ltd.	li	Fisher & Ludlow, Ltd.	lxxxiii	National Federation of Clay Industries...	xlvi
Architectural Press, Ltd., The... lxxxvi, lxxxviii, xcii, xciv, c		Flextelia Fencing & Engineering, Ltd....	lxxxix	Nicholls, Wm. T. (Southern), Ltd.	lxxv
Armstrong Cork Co., Ltd.	lxxxii	Foyles, Ltd.	ci	Oakwood Tiles, Ltd.	c
Ashwell & Nesbit, Ltd.	lxxxii	Furse, W. J., & Co., Ltd.	ci	Parker, Winder & Achurch, Ltd.	xciv
Association of Steel Conduit Manufacturers		Gas Council, The	lxiii	Parnall, Geo., & Co., Ltd.	xli
Anstlin, Jas., & Son (Devsbury), Ltd.	xxv	Glow-Worm Boilers, Ltd.	xxiv	Phillips Floors, Ltd.	xlvi
Automatic Pressings, Ltd.	xcix	Greenwood's & Airvac Ventilating Co., Ltd.	ii	Phoenix Rubber Co., Ltd.	lxxxv
Avery, J., & Co.	xxxvi	Guilford Glass & Metal Works, Ltd.	lxii	Poles, Ltd.	xxvii
Baldwin, Son & Co., Ltd.	xciv	Gyproc Products, Ltd.	vii	Radiation Group Sales, Ltd.	x
Boulton & Paul, Ltd.	ci	Haden, G. N., & Sons, Ltd.	lv	Rawplug Co., Ltd., The	lxxxv
Brazier & Son, Ltd.	l	Hammill Brick Co., Ltd., The	lxxxviii	Raylor Brothers, Ltd.	l
Briggs, Wm., & Sons, Ltd.	lxvii	Hammond, R. H., Ltd.	lx	Redhill Tile Co., Ltd.	xli
British Constructional Steelwork Association.....	front cover	Hangers Paints, Ltd.	lxxxix	Robertson, Thain, Ltd.	xxix
British Plaster Board, Ltd., The	lvii	Harvey, G. A., & Co. (London), Ltd.	iii	Rush & Tomkins, Ltd.	lvi
British Screw Co.	lxxxvii	Hawkesley Construction Co., Ltd.	xxix	Sarco Laminated Wood Products, Ltd.	xliv
British Trolley Track Co., Ltd.	xxx	Henderson, P. C., Ltd.	lxviii	Sealanco (St. Helens), Ltd.	xvi
Britmac Electrical Co., Ltd.	xli	Hilger & Watts, Ltd.	xcvi	Sealcrete Products, Ltd.	xc
Broad & Co., Ltd.	lxxxiv	Hills (West Bromwich), Ltd.	xlvi	Semtex, Ltd.	cl
Burn Bros. (London), Ltd.	xcv	Hollis Brothers, Ltd.	xiv	Sign Service	lxi
Burt, Boulton & Haywood, Ltd.	xc	Holoplast, Ltd.	lxxxiv	Small & Parkes, Ltd.	xxii
Carter & Co., Ltd.	liii	Holtum & Green, Ltd.	lx	Smith & Pearson, Ltd.	lxxxv
Celotex, Ltd.	viii	Hope, Henry, & Sons, Ltd.	lxx	Smith & Rodger, Ltd.	xcvi
Cement Marketing Co., Ltd., The	lxxxviii	Ibstock Brick & Tile Co., Ltd.	cii	Smith, Thomas, & Son, Ltd.	lxxxvii
Chase Products (Eng.), Ltd.	xx	Ideal Casements (Reading), Ltd.	iii	Sommerfeld's, Ltd.	ci
Clarke Ellard Eng. Co., Ltd.	lxxxix	International Correspondence Schools...	cl	Speedwell Gear Case Co.	lxxxvi
Colt, W. H. (London), Ltd.	xcv	International Paints, Ltd.	lviii	Spencer, Lock & Co., Ltd. (Royal Board)	xl
Concrete, Ltd.	xcv	James, W., & Co., Ltd.	lxxxviii	South Western Stone Co., Ltd., The	lxvii
Couder Engineering Co., Ltd.	xcvii	Jones, T. C., & Co., Ltd.	xvii	Standard Patent Glazing Co., Ltd., The	lxxxviii
Cook, F. W., & Co. (Southampton), Ltd.	lx	Kay, Wm. (Bolton), Ltd.	lxii	Stelcon (Industrial Floors), Ltd.	xxvi
Costain, Richard, Ltd.	lxvii	Keay, E. C. & J., Ltd.	lxii	Stott, Jas., & Co. (Engineers), Ltd.	lxxxvi
Coverite (Asphalts), Ltd.	ci	Kwikform, Ltd.	lxii	Sundalea Board Co., Ltd.	lxxxvii
Crittall Manufacturing Co., Ltd.	lxvi	Lead Industries Development Council...	xciv	Technicrete Sales	lxxxviii
C.S.A. Industries, Ltd.	xxiii	Lisbraco, Ltd.	lxvi	Teddington Industrial Equipment, Ltd.	lxxxix
Dagnays, Ltd.	iv	Lisle, Munday & Co., Ltd.	lix	Thames Plywood Mfrs., Ltd.	xxvii
Docker Brothers	xxi	London Brick Co., Ltd.	lii	Thermalite, Ltd.	xxii
Dorman, Long & Co., Ltd.	lxxxix	London Ferro Concrete Co.	lii	Tretol, Ltd.	lxv
Doulton & Co., Ltd.	xc	Luxfer, Ltd.	lxxii	Trussed Concrete Steel Co., Ltd.	xli
Ecora Modern Products, Ltd.	lxxxix	Macandrews & Forbes, Ltd.	ciii	Twyfords, Ltd.	lii
Edgar, Wm., & Son, L. d.	xix	McCarthy, M., & Sons, Ltd.	ci	Uniseco, Ltd.	lxxxii
Edison Swan Electric Co., Ltd., The....	clii	Magnet Timber Ltd.	xxvi	Vulcanite, Ltd.	xc
Ellis, John, & Sons, Ltd.	xlili	Mallinson, Wm., & Sons, Ltd.	lxxvi	Walker, Crossweller & Co., Ltd.	xv
Ellis School of Architecture, The	ci	Mander Brothers, Ltd.	lxxvii	Ward, Thos. W., Ltd.	xlvi
		Marley Tile Co., Ltd., The	xi, xciv	Wardle Engineering Co., Ltd.	ii
		Masonite, Ltd.	c	Wareing Brothers.....	xcv
		Metal Sections, Ltd.	lxxx	Williamson, James, & Sons, Ltd.	v

For Appointments (Wanted or Vacant), Competitions Open, Drawings, Tracings, etc., Education, Legal Notices, Miscellaneous Property, Land and Sales, xcvi, xcvi, xcix, c, ci.

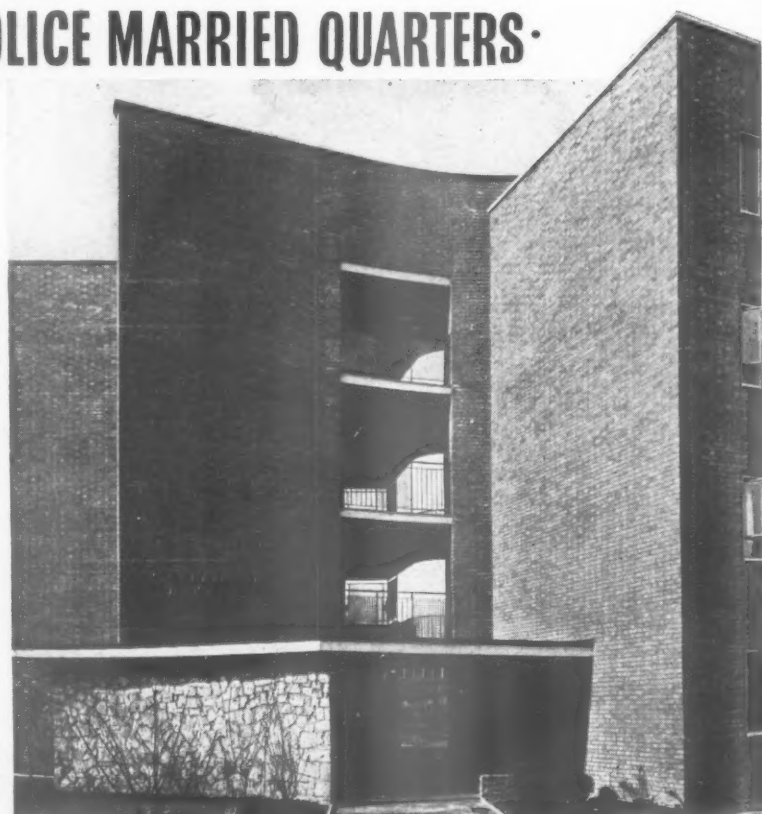
COLLINSON HOUSE · POLICE MARRIED QUARTERS ·

Effra Road, Brixton, S.W.2.
Designed by J. Innes Elliott, A.R.I.B.A.,
Chief Architect, New Scotland Yard,
Senior Architect in Charge, G. B. Vint,
A.R.I.B.A.
Contractors: Geo. Parker & Sons Ltd.
Bricks supplied through Sydney A. Hunter
Ltd.

THE MAIN ELEVATIONS
ARE FACED WITH —
IBSTOCK
SALMON-BROWN
RUSTICS

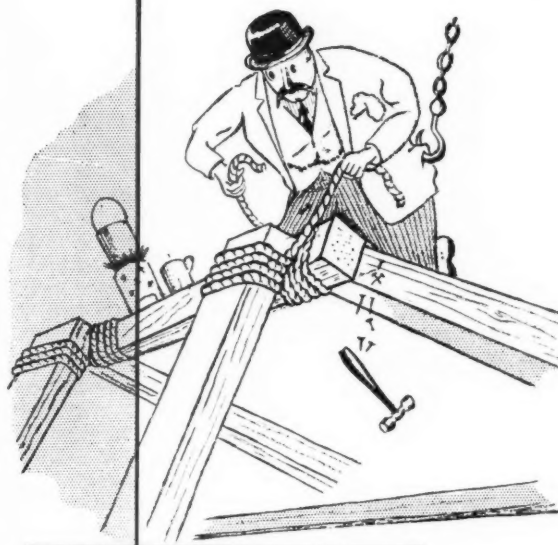
Fine sweeping areas of attractive
brickwork in Salmon-Brown Rustics,
distinguish this block of 16 flats.
Where the architectural effect
depends on brickwork—choose Istock
for colour.

Owing to present heavy demand,
supplies of facing bricks of most types
are booked for a long time ahead and
reservations for 1954 are now being
made.



IBSTOCK BRICK & TILE CO. LTD., NR. LEICESTER. Phone: Istock 391 (2 lines) London: L.M.R. Goods Depot, Wrights Lane, Kensington, W.8. Phone: Western 1281 (2 lines)

Some prefer *this*
method



... but the modern method of joining timber
is to use ...

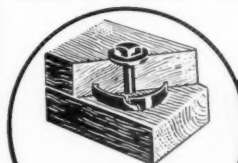
"TECO" Patent No.
593945
**DOUBLE BEVELLED SPLIT-RING &
"BULLDOG"**
CIRCULAR TOOTHED-PLATE
(Regd. Design. No. 838743)
TIMBER CONNECTORS

The inclusion of these connectors in timber
structures strengthen the joints by spreading
the load over a large area of the timber
members, increasing the load capacity, per-
mitting reductions in timber dimensions and
the amount of hardware, at the same time
giving extra strength and stability to the
finished structure.

"TECO" double bevelled split-rings and
"BULLDOG" circular toothed-plate

TIMBER CONNECTORS make
possible the designing of timber structures on an engineering basis for greater
spans and loads than ever before.

**EASY TO INSTAL — LESS TIMBER AND
HARDWARE REQUIRED — SIMPLIFIES
FABRICATION**



"TECO" Patent
SPLIT-RING TIMBER
CONNECTORS



"BULLDOG"
Circular
Toothed-Plate
TIMBER CONNECTORS
Double-sided and
Single-sided

Apply for full particulars to:

**MACANDREWS & FORBES
2 CAXTON STREET, LONDON, S.W.1.
TELEPHONE: ABBEY 4451/3**

...in an instant

An unexpected power failure can plunge you into
utter darkness ... Ediswan Ensuralite gives you
protection at once by the automatic provision of
emergency lighting.

EDISWAN Ensuralite consists of a lead-acid
storage battery, equipped with an automatic switch
and operating in conjunction with a high and trickle
rate battery charger. The system is foolproof,
independent of the human error, and absolutely
reliable. The battery is maintained in a fully-
charged condition by the normal power supply so that
its total capacity is always ready for an emergency.
Our technical Department will be glad to advise
you and Catalogue AB1568 is available on request.

*Equipment supplied conforming to all
local regulations.*

EDISWAN
Ensuralite

The RELIABLE Emergency Lighting

THE EDISON SWAN ELECTRIC CO. LTD.
Ponders End, Middlesex Telephone: HOWARD 1234
Member of the A.E.I. Group of Companies T94

**Hiring your steel shuttering
'H' frames and props?**

**It's
better to buy**

MILLS



MILLFORMS



MILLFRAMES



MILLPROPS

**AND SAVE YOURSELF MONEY
AS WELL AS CONTRACT TIME**

MILLFORMS (the automatically aligning and self-supporting steel shuttering for concrete walls, floors, columns and beams), MILLFRAMES (the greatest single time-and-labour-saving advance in tubular scaffolding technique) and MILLPROPS (adjustable tubular steel shores) are the finest stock investments you can make. They save you money every time you use them—and you save more when you own them. Write for full details now.

MILLS SCAFFOLD CO. LTD.

Head Office & Depot: TRUSSLEY WORKS, HAMMERSMITH GROVE, LONDON, W.6 • Phone: RIVerside 5025/9

Agents and Depots: BELFAST BIRMINGHAM BOURNEMOUTH BRIGHTON BRISTOL CANTERBURY • CARDIFF
COVENTRY • CROYDON • DUBLIN • GLASGOW • HULL • ILFORD • LIVERPOOL LOWESTOFT • MANCHESTER
NEWCASTLE • NORWICH • PLYMOUTH • PORTSMOUTH • READING SHIPLEY SOUTHAMPTON SWANSEA YARMOUTH

