

THE ARCHITECTS' JOURNAL

FINE ARTS DEPT.



standard contents

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

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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, Castle Hill, Avenue, Berkhamstead, Herts.	"Dyneley,"
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Welbeck 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. School of Architecture, Manchester Municipal School of Art, All Saints Manchester, 15.	Ardwick 3480
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
AScW	Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Welbeck 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 8641/6
BCC	British Colour Council. 13, Portman Square, W.1.	Welbeck 4185
BCCF	British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 43, George Street, Croydon.	Croydon 5452
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGC	British Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holborn 8146/7
CABAS	City and Borough Architects Society. C/o Johnson Blackett, F.R.I.B.A., Borough Architect, Town Hall, Newport, Mon.	Newport 3111
CAS	County Architects Society. C/o A. Guy Chant, F.R.I.B.A., Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett, Herts.	Radlett 5616
CIAD	Central Institute of Art and Design. 41, 42, Dover Street, W.1.	Regent 3074
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderal, 7, Zurich, Switzerland	
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.	Kensington 8161
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W. Sloane 4280	
CUJC	Coal Utilization Joint Council. 13, Grosvenor Gardens, London, S.W.1.	Victoria 1534
DGW	Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 1761
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	Waterloo 1951
FASSC	Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, Nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	
GG	Georgian Group. 27, Grosvenor Place, S.W.1.	Sloane 2837
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 5617
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4575

No. 2849] [Vol. 110
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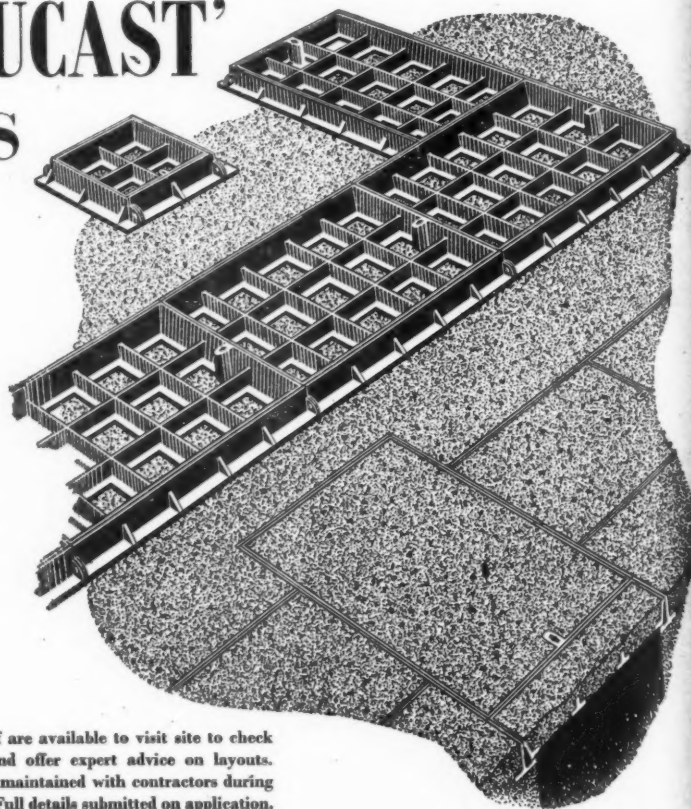
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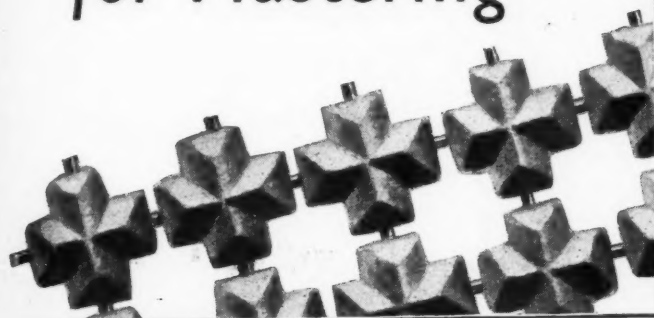
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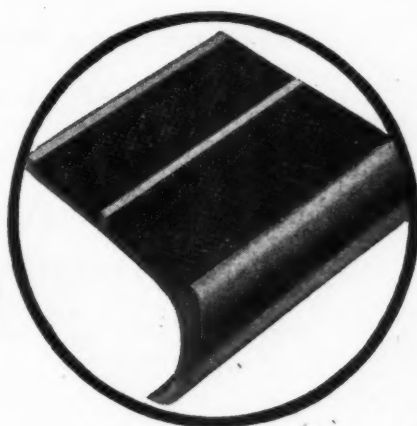
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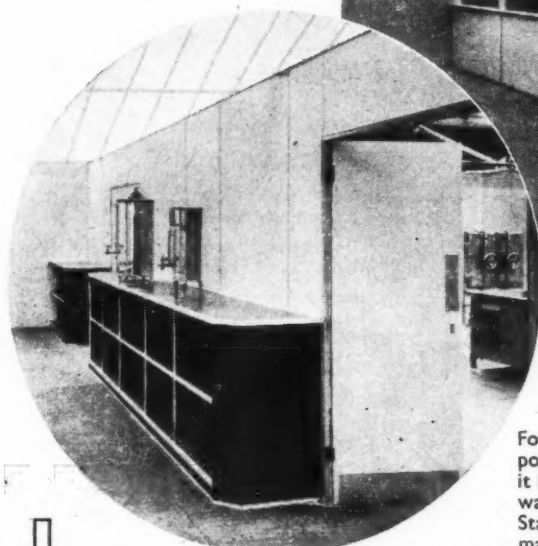
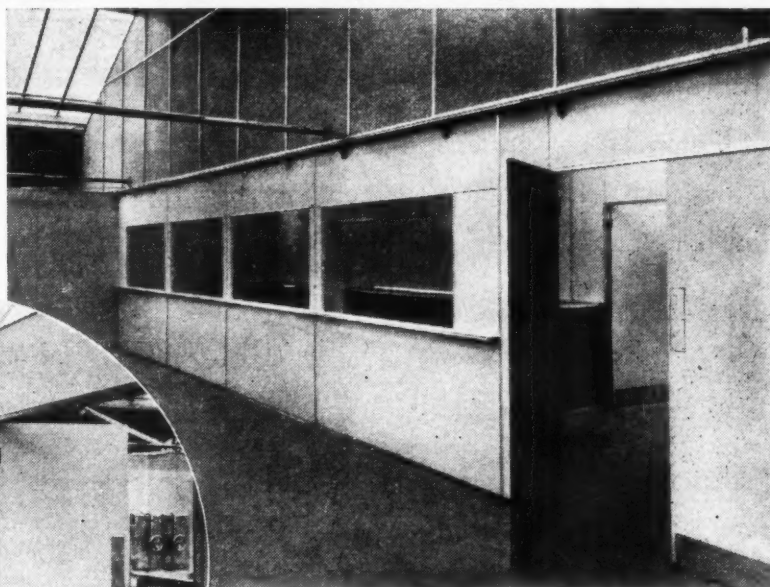
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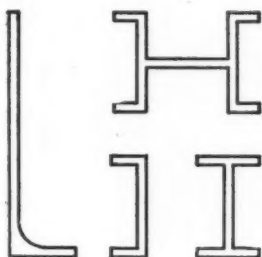
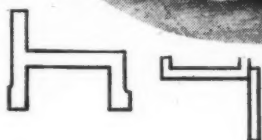
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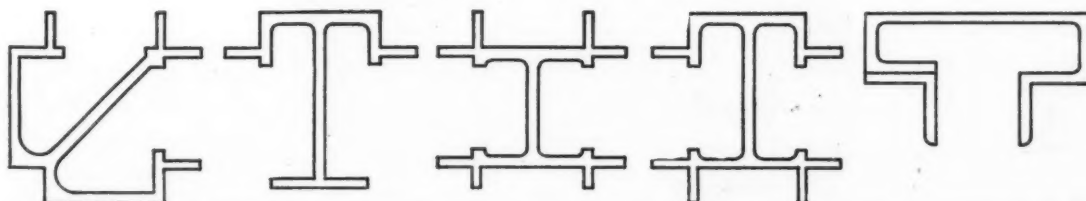
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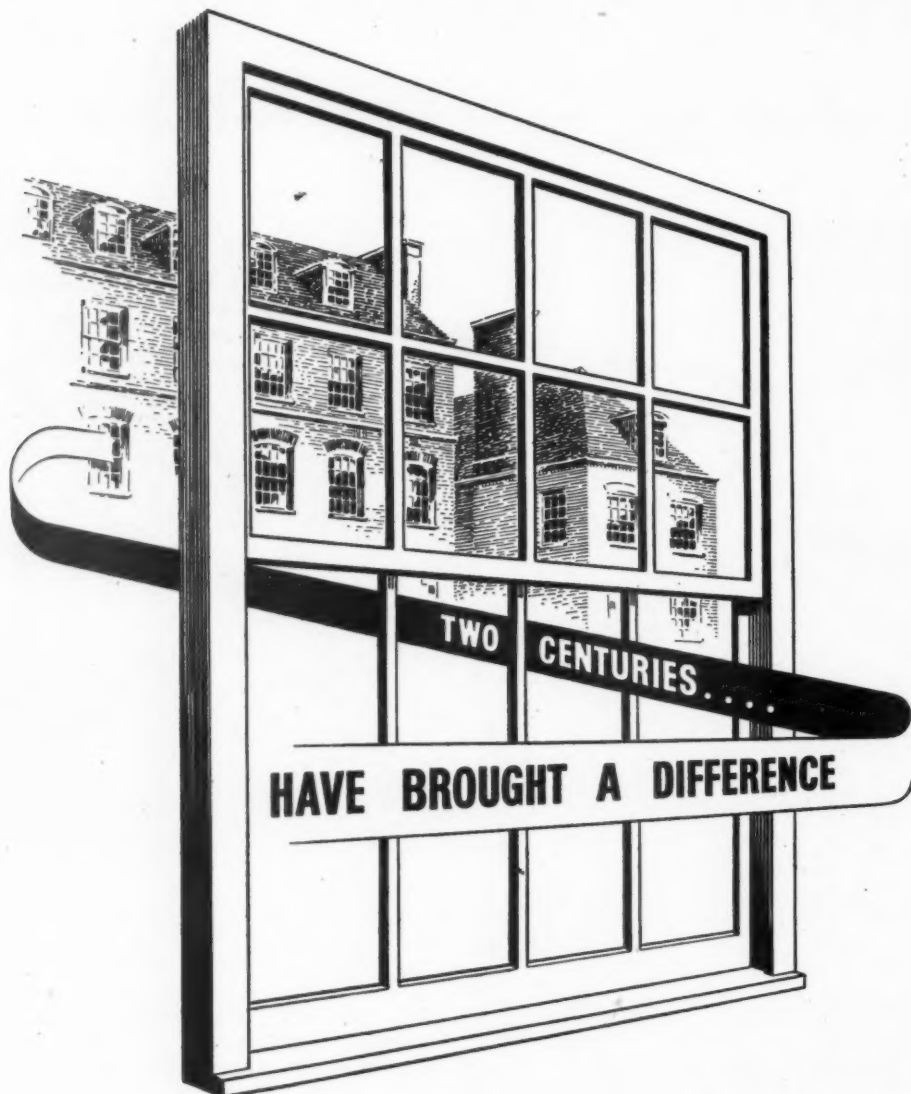
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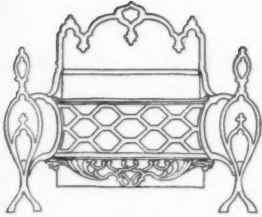
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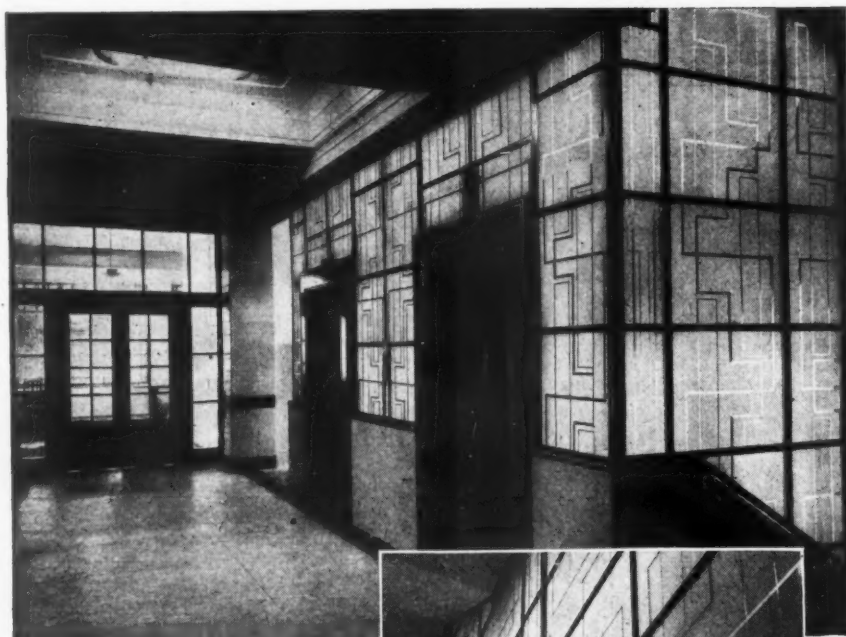


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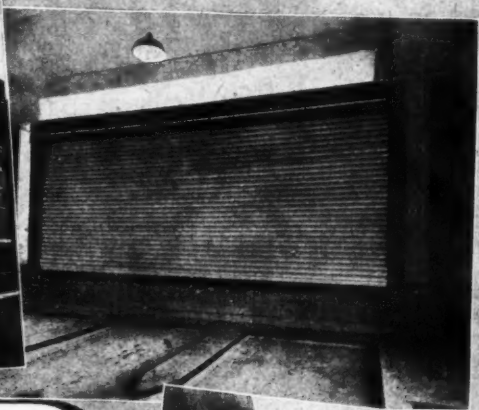
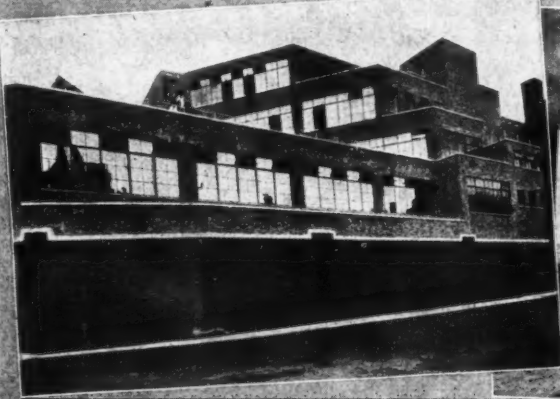
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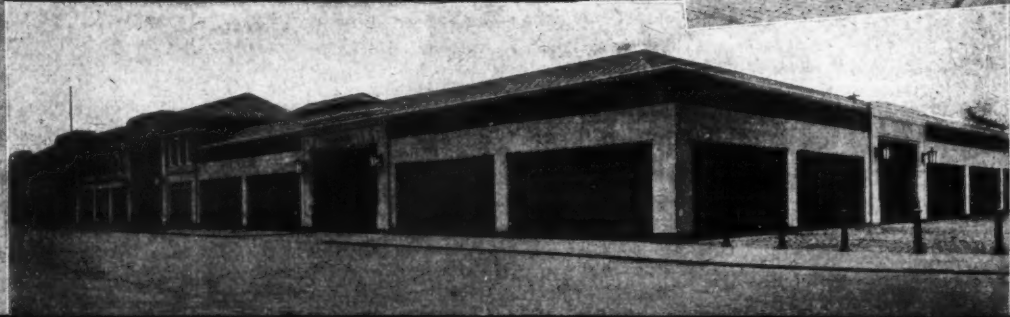
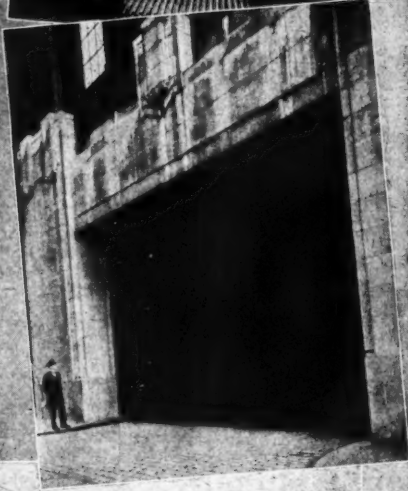
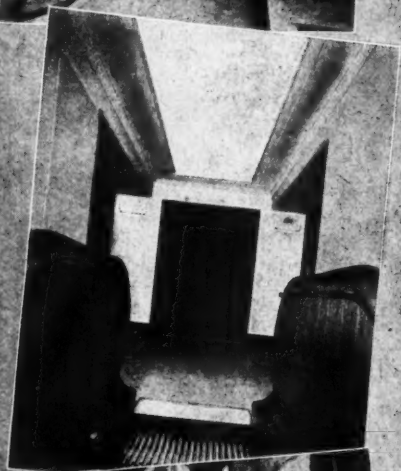
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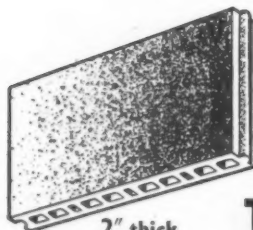
blocks

INCREASE

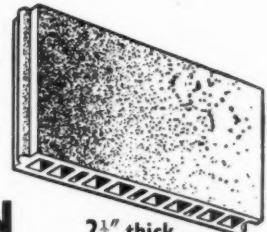
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BUILDING COSTS FOR INNER LEAF OF CAVITY WALLS

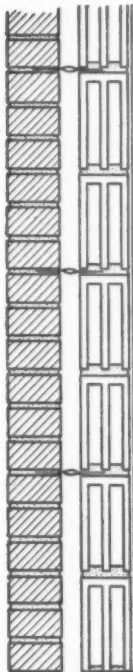


2" thick
U value (plastered both sides)
0.313



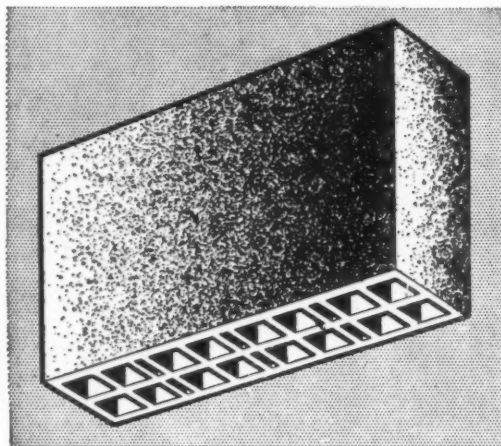
2 1/2" thick
U value (plastered both sides)
0.305

CAVITY WALL
4 1/2" brick outer leaf
4 1/2" B-A inner leaf
(unventilated)



U
value
0.170

Gross cost of erection
22.90/- per yd. super

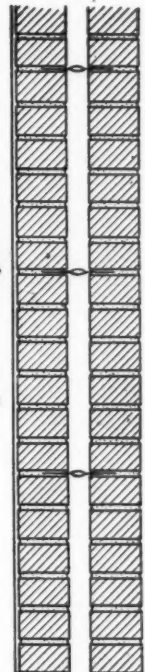


Regd. Design 868133

Extract from Housing Manual 1944

"Interest attaches to the use of a cavity wall consisting of an external leaf of brick and an inner leaf of lightweight concrete, as it provides a method of obtaining a higher value of Thermal insulation than the cavity wall consisting of two leaves of 4 1/2" brickwork. It shows moreover an appreciable saving in cost and speed of erection of walls in comparison with the all-brick cavity wall."

CAVITY WALL
4 1/2" brick outer leaf
4 1/2" brick inner leaf
(unventilated)



U
value
0.296

Gross cost of erection
24.55/- per yd. super

Extract from Post-War Building Studies No. 1
House Construction Part 1, Section 64

It is suggested that the following maximum values for heat transmission coefficients will prove economical.

In houses in which the apparatus does not allow full control over heat output.

Extl. walls of living rooms . . . U not to exceed 0.20

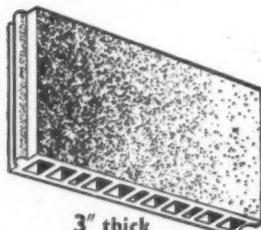
A 4 1/2" Broad-Acheson block inner leaf in 11" cavity wall construction amply complies with the above suggestion.

. . . U value being .170

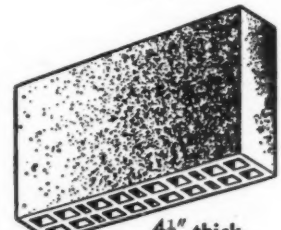
Some interesting facts

A 3" thick Broad-Acheson block (plastered) provides thermal insulation equivalent to 18" thick solid brickwork (plastered).

A 4 1/2" thick Broad-Acheson block (plastered) provides thermal insulation equivalent to 22 1/2" thick solid brickwork or a 20" cavity brick wall (plastered).



3" thick
U value (plastered both sides)
0.292



4 1/2" thick
U value (plastered both sides)
0.202

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POTTERY THROUGH THE AGES NO. 19



Specially drawn by Gordon Nicoll, R.I.

THE STAFFORDSHIRE FIGURE-MAKERS

Until the mid-18th century, pottery-making in North Staffordshire was a peasant or family craft in which the few mechanical devices used were of the simplest kind. The ware was sold to packmen and distributed at great cost throughout the country. At first local clays were used almost exclusively but the influence of delftware and stoneware led to experiments with new materials and glazes. Coal-firing gradually superseded earlier methods, and the fact that both clay and coal were abundantly available largely accounts for the rapid development of the pottery industry in the North Staffordshire area now known as "The Potteries".

The Elers Brothers, Dutch silversmiths, probably introduced salt-glazing into the district. Astbury improved on it and perfected a whiter and harder body, in which imported Devon clays and calcined flint stones were used. Im-

provements in methods of moulding and slip-casting were made—and the way was gradually prepared for the great developments which Wedgwood, Spode and other master potters would make towards the end of the century.

The 18th century was the heyday of the Staffordshire earthenware figure-makers, among whom Thomas Astbury, Thomas Whieldon, John Walton and the Wood family are the best-known. Their finest work is characterised by simple and powerful direct modelling, by the vivid expression of the Hogarthian humour of the times, and by the brilliant but seldom garish range of glazes in green, yellow, brown, orange, blue and grey.

The Astbury and Whieldon figures of cavalry men, musicians, dancers and other contemporary types, though primitive and naive by modern standards, appeal by reason of their

spontaneity and their very lack of sophistication. These—and many other figures of the period, such as boxers, sweeps, street-singers, gamekeepers and rustic groups—are eagerly sought by collectors. Most famous of all, perhaps, are the well-known Toby jugs and mugs (in which the Woods excelled). These depict not only the famous toper himself but also several other real or legendary characters of the age. They link up with a long line of tankards and jugs fashioned in human likeness by potters of almost every age and race, from ancient Babylon onwards.

Today the Royal Doulton Potteries still maintain the tradition with their famous "Character Jugs". Each one of these is individually hand-painted, and in their vigorous modelling they set a standard which will bear comparison with the best work of earlier periods.



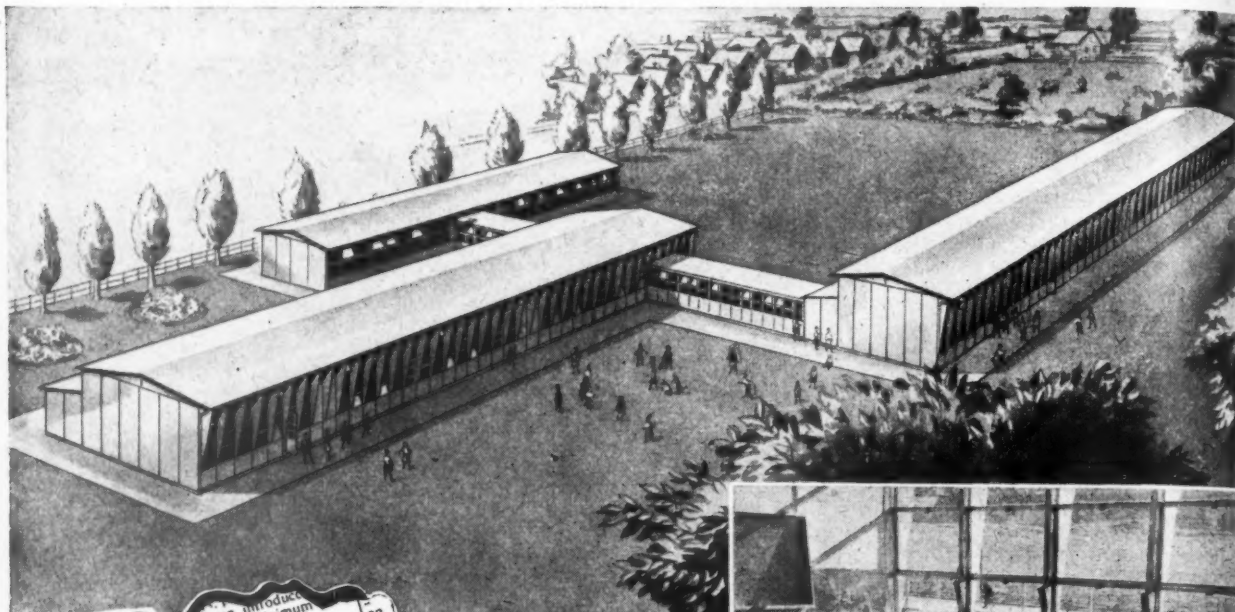
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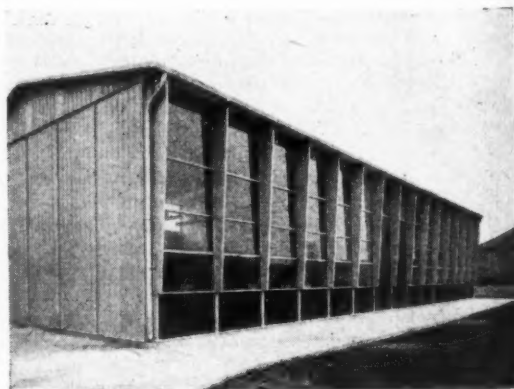
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This illustration shows the light, airy and hygienic conditions obtainable with “Bristol” aluminium buildings.



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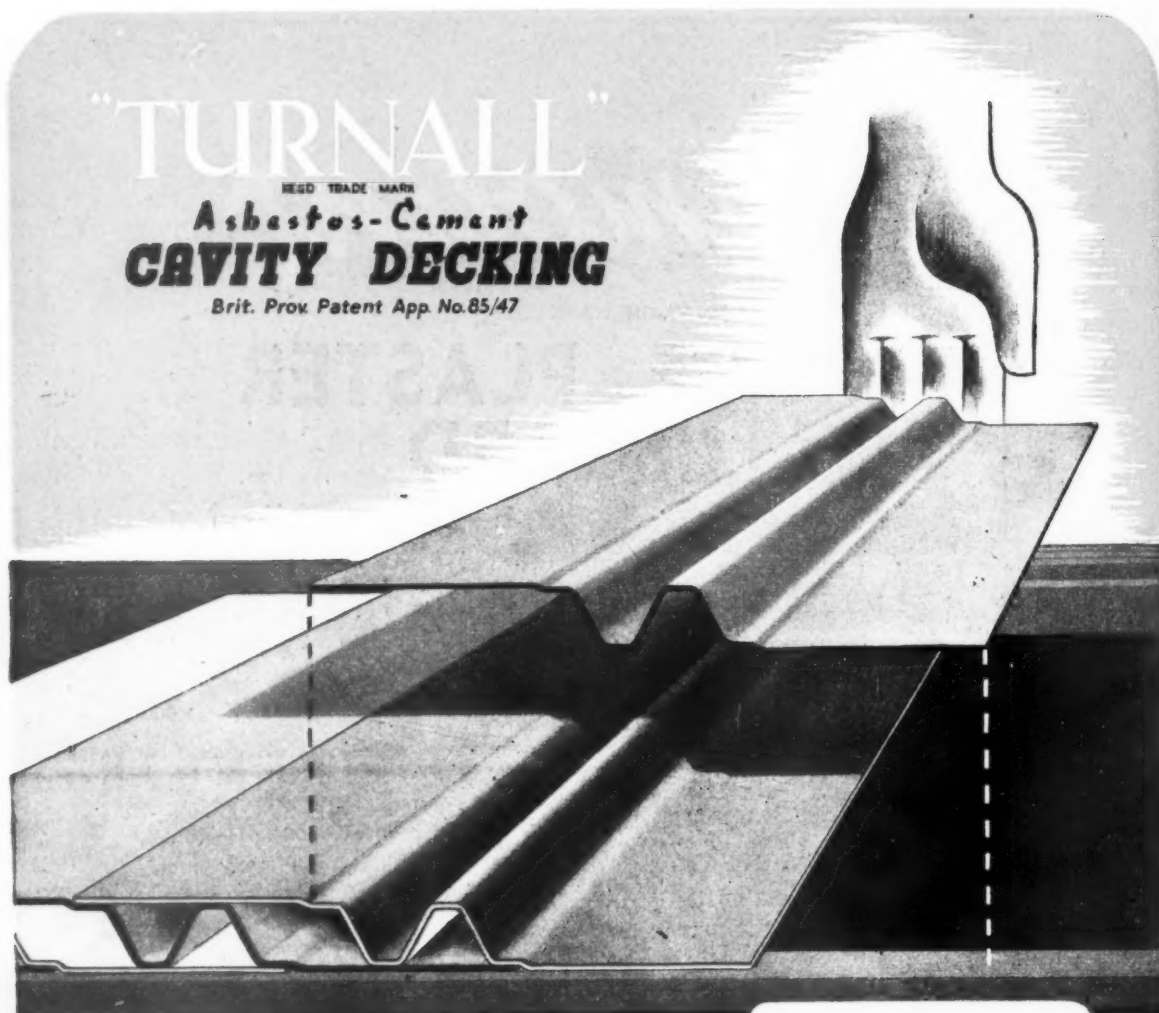
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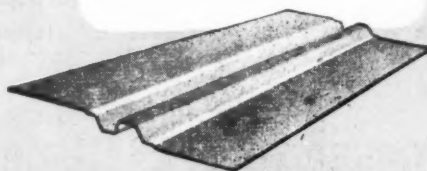
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WRITE FOR ILLUSTRATED LITERATURE

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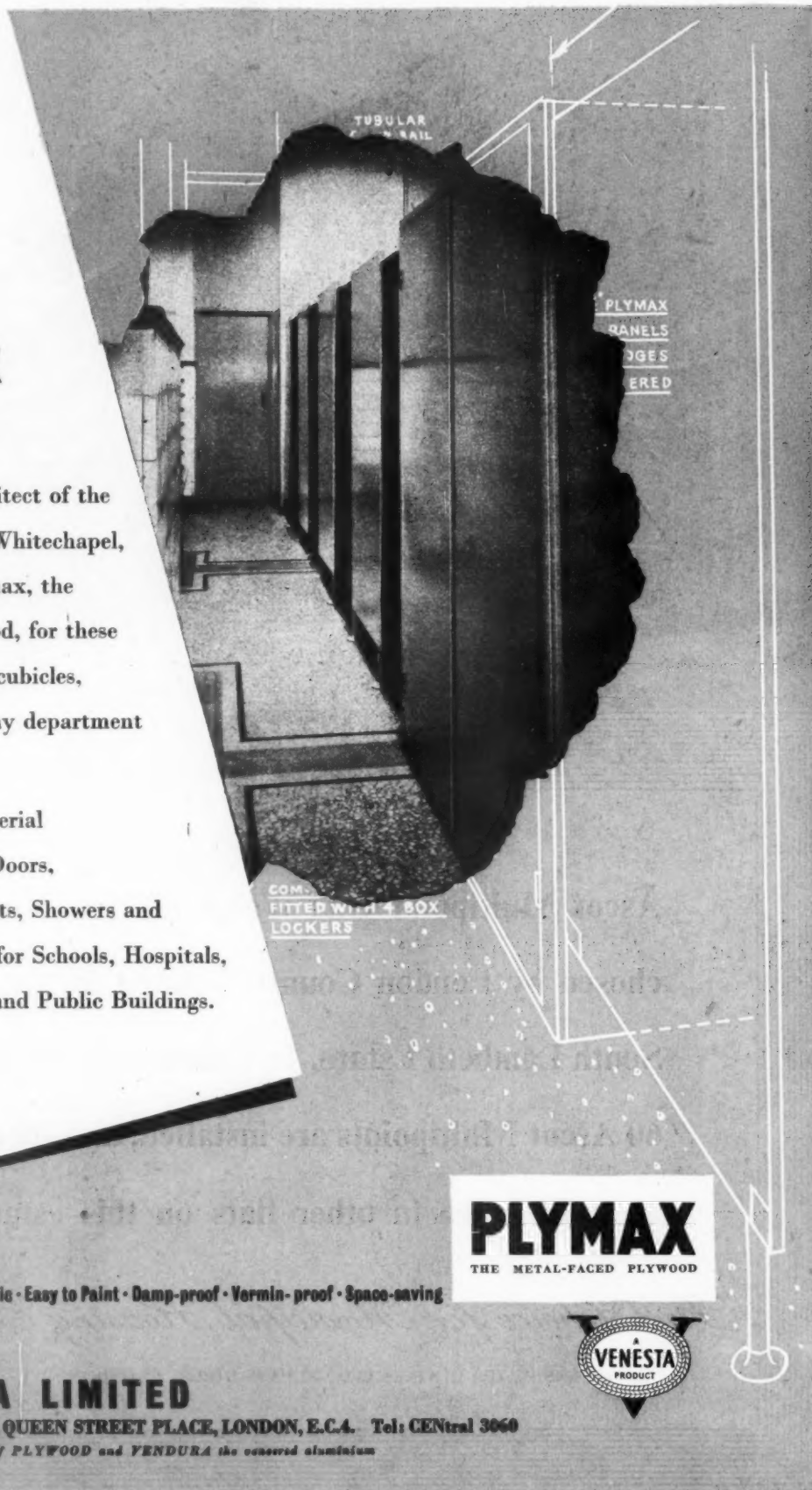
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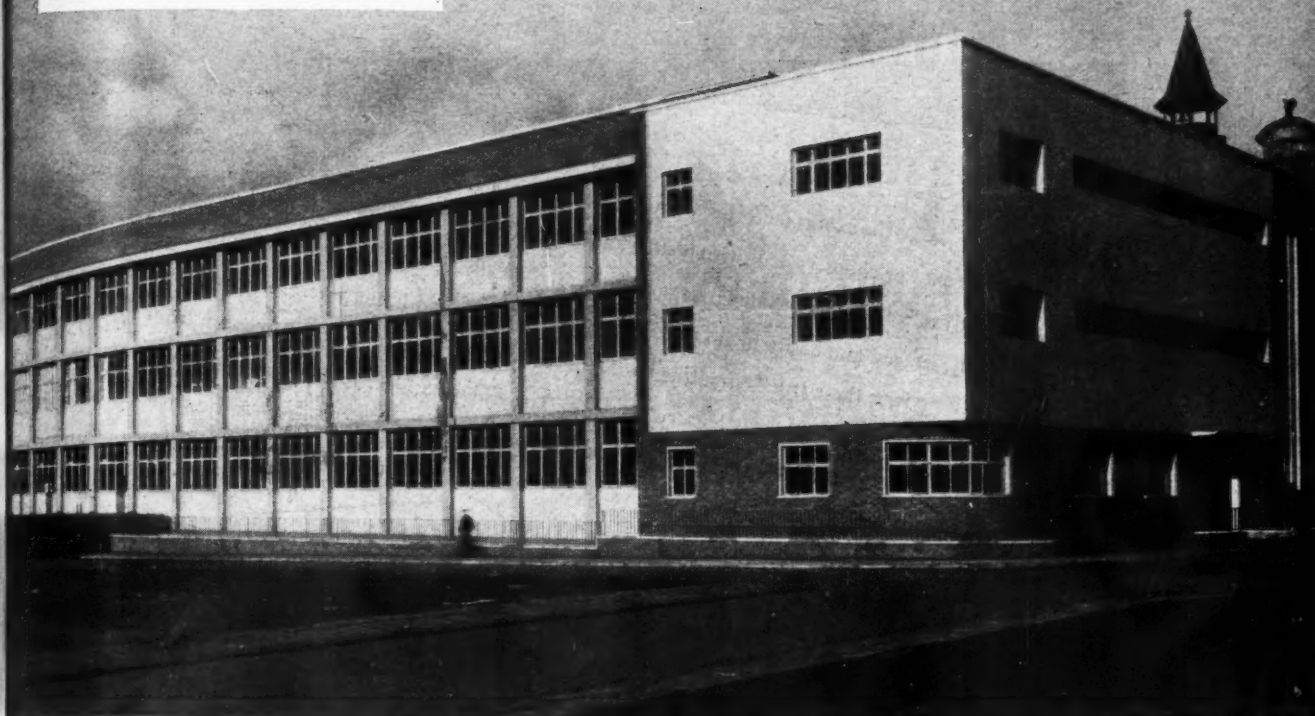
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and at Martins Bank Building, Liverpool and Prudential Buildings, St. Philip's Place, Birmingham.

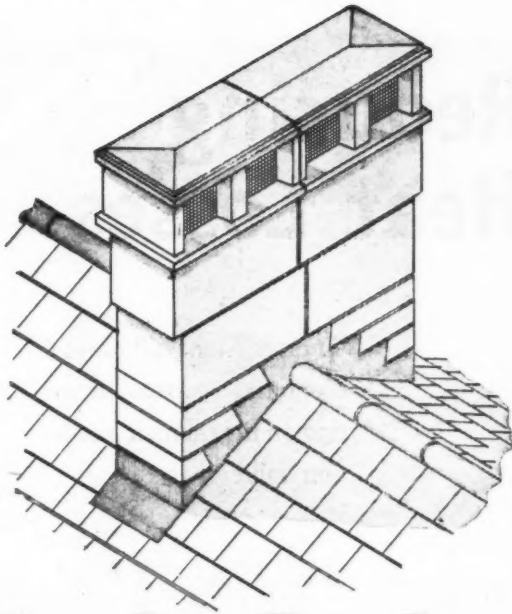
In the export factories, where speed in handling, as surely as speed in production, can write the next few chapters of British history; at the Docks, where the speed of unloading and loading directly affects our day-to-day lives, manpower has an ally. The electric truck, economical, simple, speedy, rugged and easily maintained, is saving time and man-hours where saving counts most. Batteries power these trucks: and the hard worked 'electric's' reputation for freedom from breakdown is a measure of what its battery can take. The Chloride Electrical Storage Company has played an outstanding part in the swing to 'electrics'. Three out of four British electric truck manufacturers fit Exide-Ironclad. Behind each Exide-Ironclad, Chloride and Exide Battery lie the experience and progressive improvements of over 50 years of battery manufacture.

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near Manchester



**Sudden blackout is prevented
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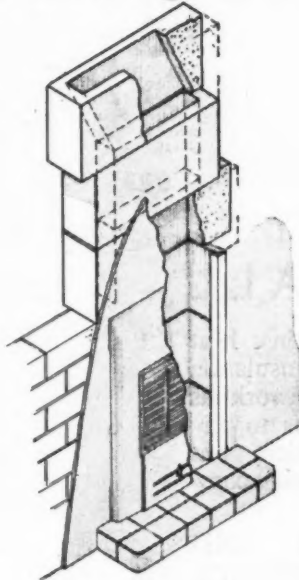
P. 75



*Compact
stacking and
economy of
floor space
go hand in hand with*

G I R L I N G S *gas and ventilating **Flue Blocks***

IN chimney stacks, flue areas are increased to provide compact stack arrangements by the use of Girling's Flue Blocks. The blocks can be built into the brickwork without projecting as a normal chimney breast, thus effecting a considerable saving of floor space. The design of Girling Flues embraces the full range of units recommended in B.S. 1289 of 1945 for "Small Flues", type X with flueway 12" by 2 $\frac{1}{4}$ ". Grills are fixed to the terminal cap apertures to prevent ingress of birds and foreign matter.



Flashing blocks at roof level enable traditional methods of lead flashing to be adopted. Girling's gas and ventilating flue blocks conform with the requirements of by-laws relating to flues and fires. Large stocks are held at each of our works near London, Leeds and Glasgow.

Write for new descriptive folder illustrating and describing Gas Flue Blocks by Girling's and typical examples of stack arrangements.

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Reducing Heat Losses



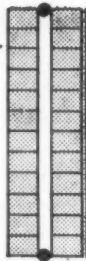
The U-value of 9" solid brickwork, plastered on the inner face, is—

0.43



Substitute an 11" ventilated cavity wall, plastered on the inner face, and the figure becomes—

0.34



When unventilated, it is reduced to—

0.30



If lined with $\frac{1}{2}$ " plasterboard on battens, the U-value is—

0.23



With $\frac{1}{2}$ " cork, plastered, it is—

0.21



With 1" wood wool, plastered, it is—

0.20



With $\frac{1}{2}$ " fibreboard on battens, it is—

0.18

THE CAVITY BRICK WALL

is an efficient barrier against heat losses. Additional thermal insulation may be applied to brickwork as easily and economically as to any other form of construction, but brick alone offers the following combination of essentials :

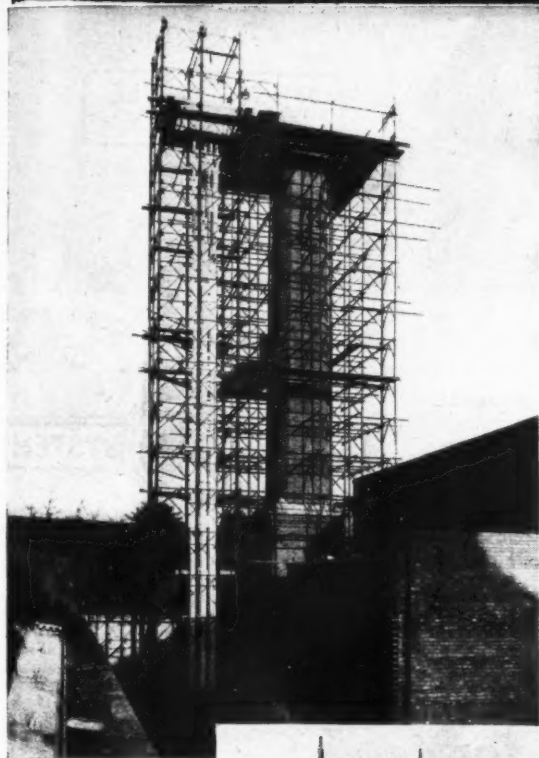
AMPLE STRENGTH AND DURABILITY; RESISTANCE TO RAIN PENETRATION, FIRE, FROST AND EXPOSURE; PERMANENCE OF EXTERIOR FINISH; FREEDOM FROM MAINTENANCE.

The persistent call for fuel economy focuses attention on the thermal insulation value of the

CAVITY BRICK WALL

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Cut those costs—



The illustration on the right shows the simplicity of erection and striking.



with **KWIKFORM** *UNIT FRAME* **SCAFFOLDING**

Users confirm economies obtained from :—

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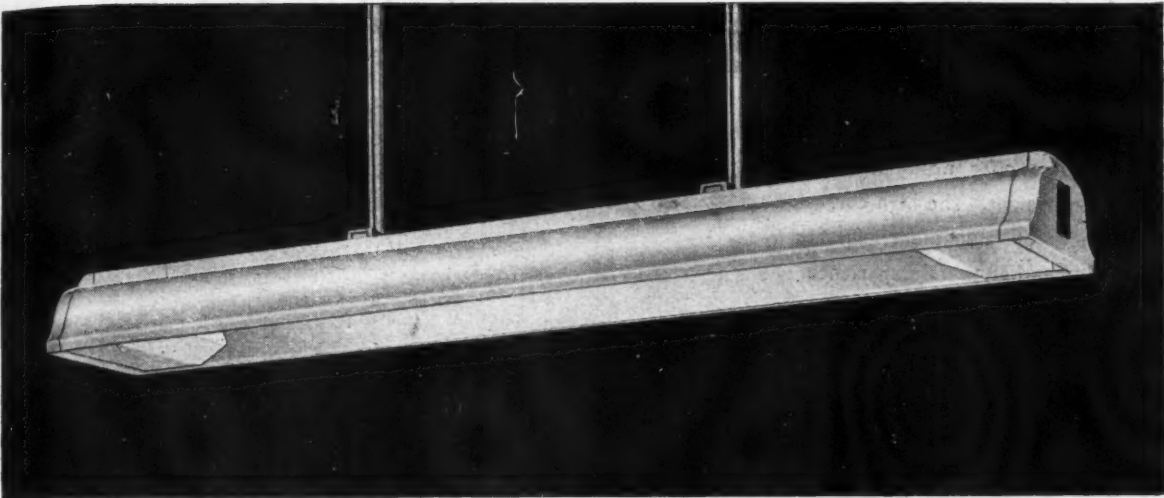
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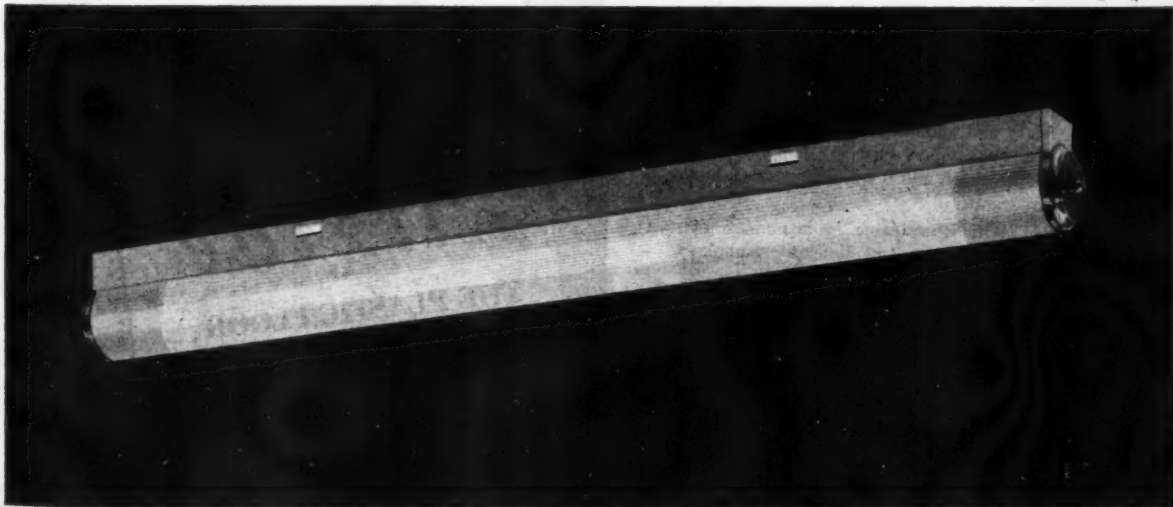


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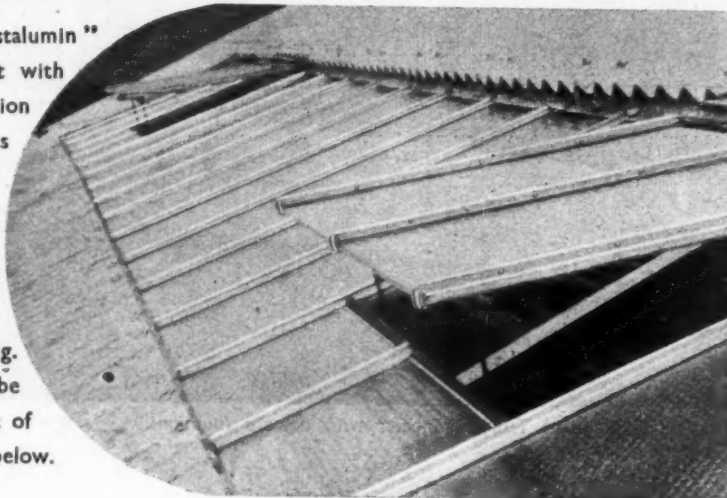
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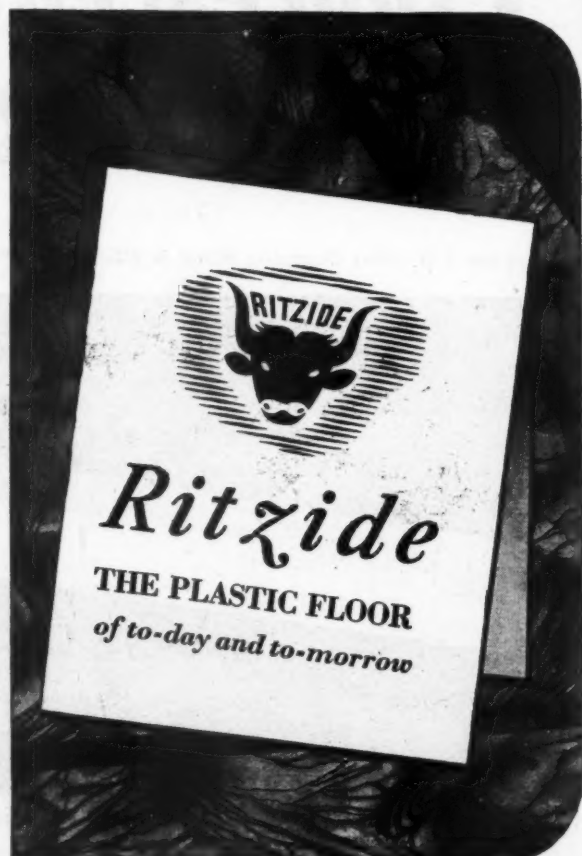
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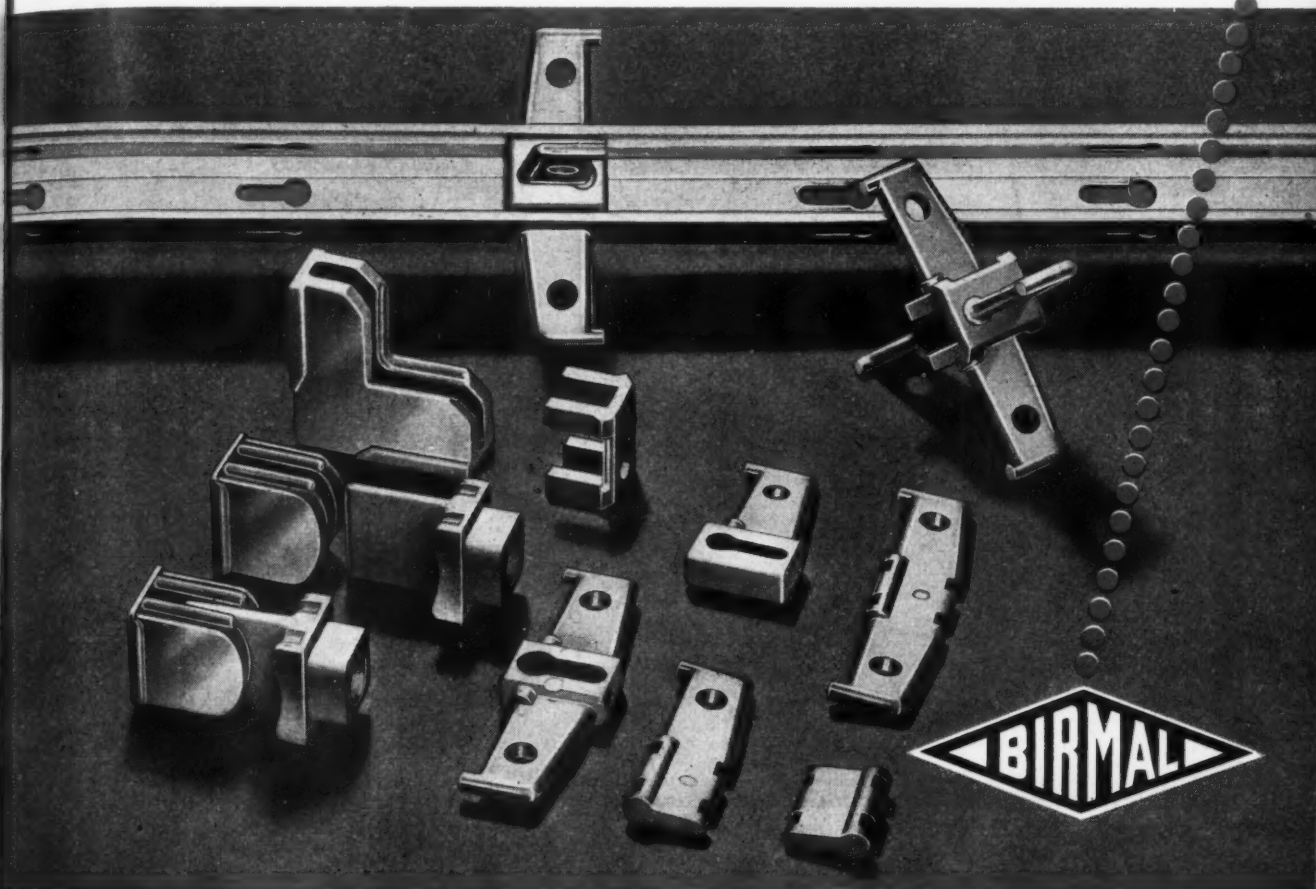
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* For detailed information see "Architects' Journal" Information Sheet 25.A2.

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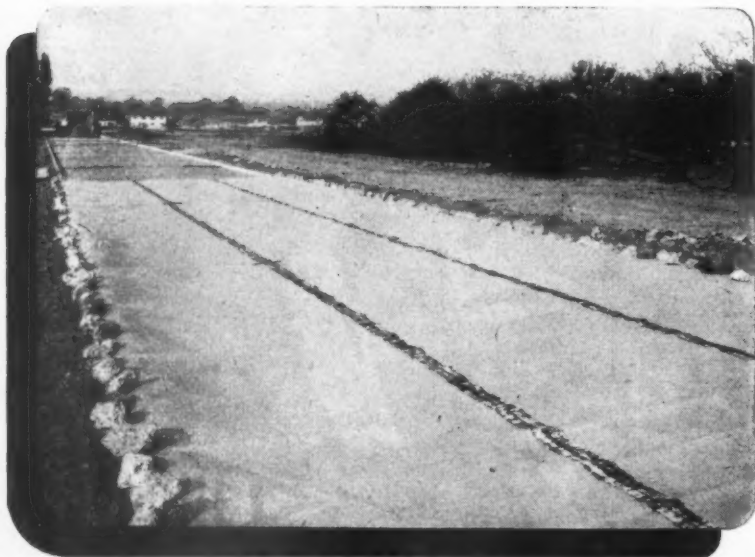
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*Showing Sisalkraft Concrete Curing Blankets as used on the Shepway Farm Housing Estate, Maidstone.
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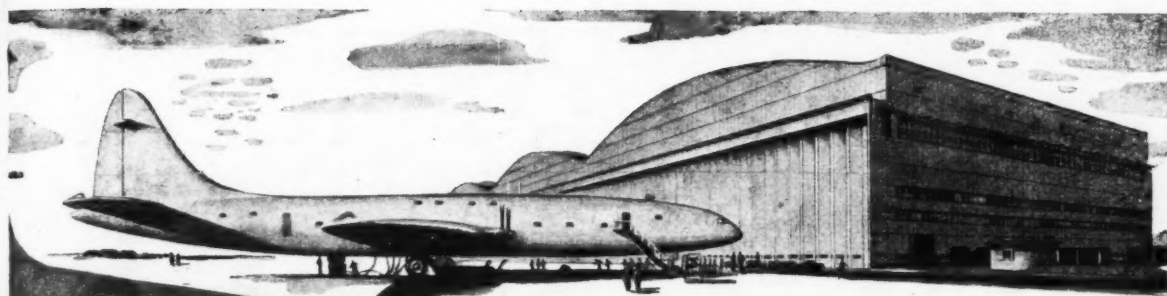
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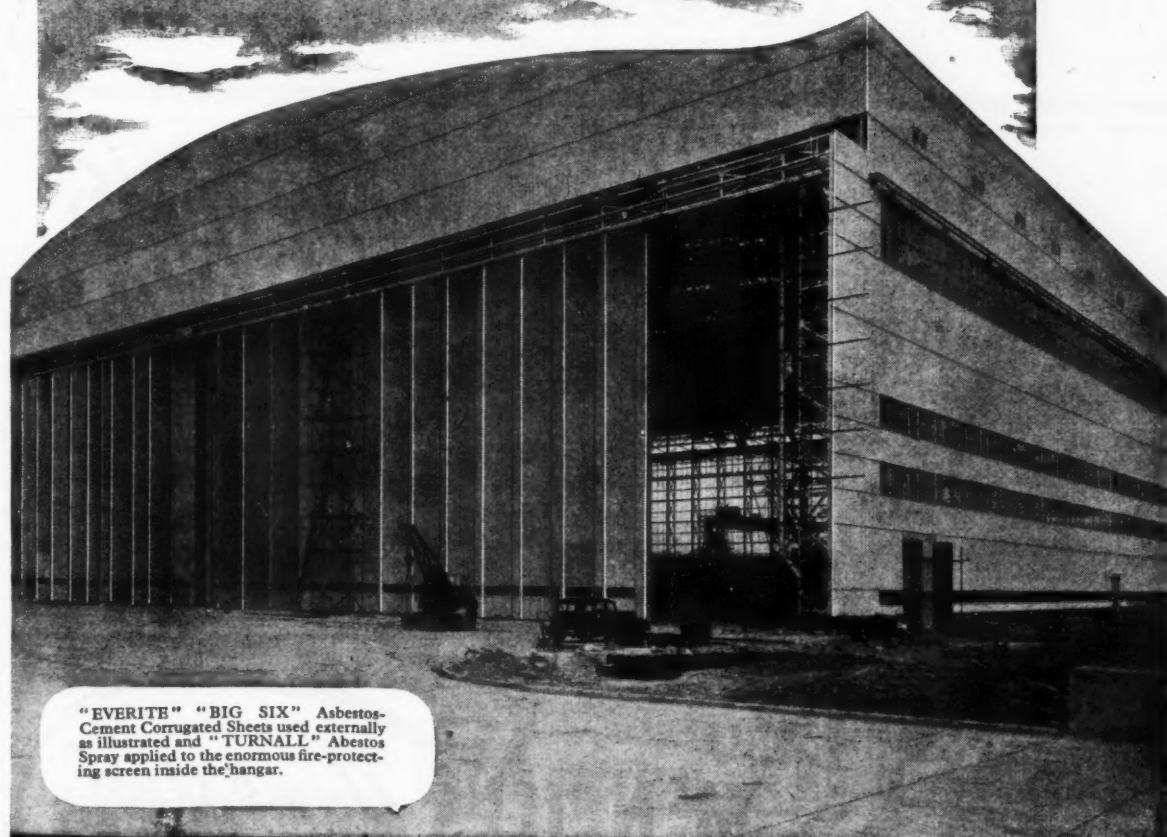
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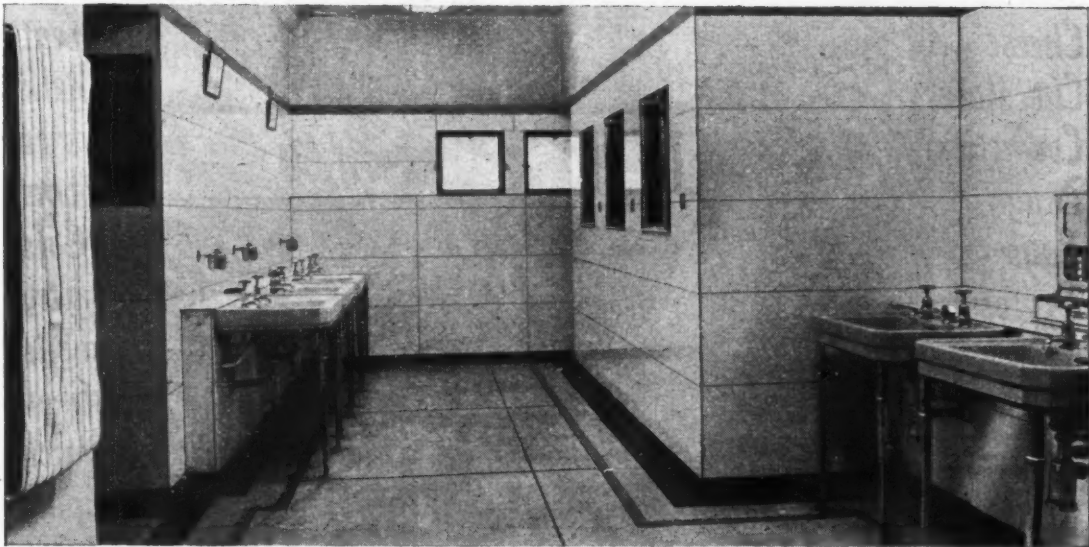
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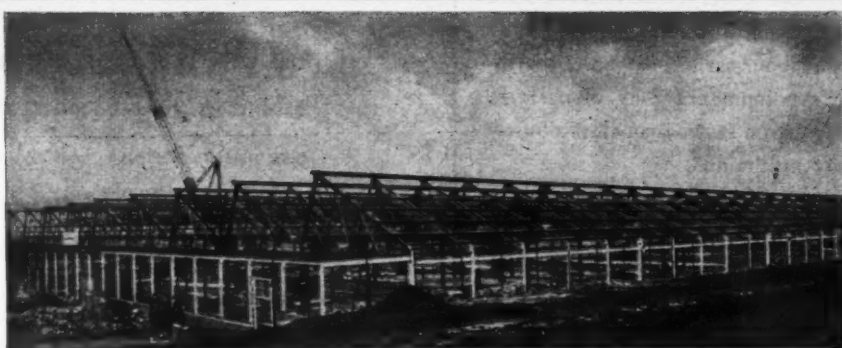
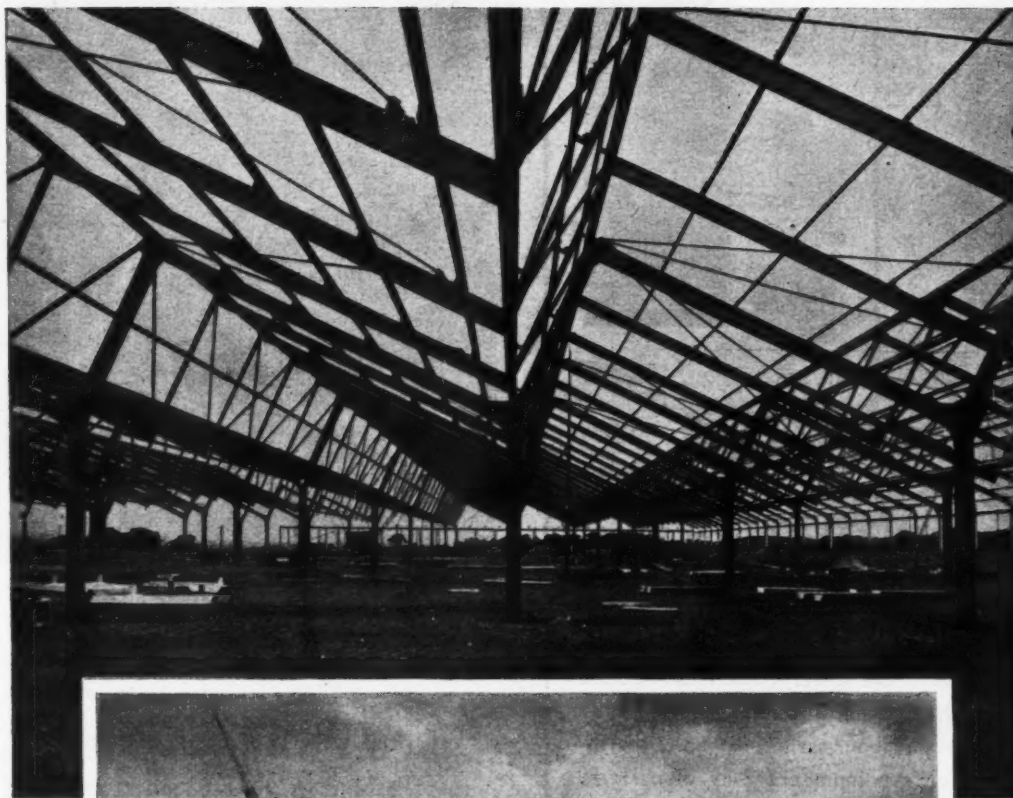
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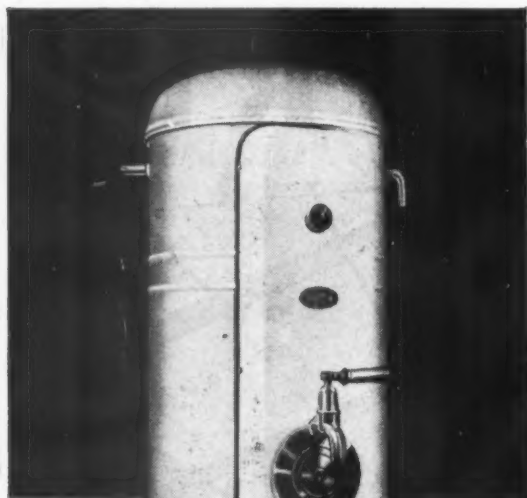
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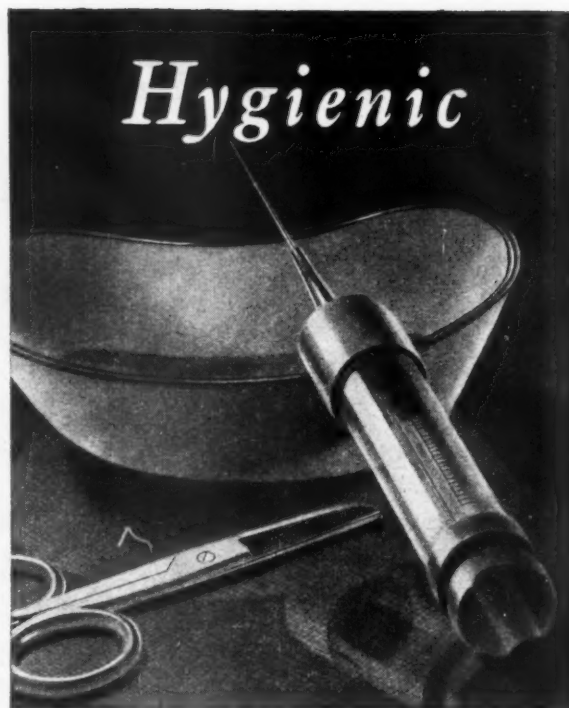


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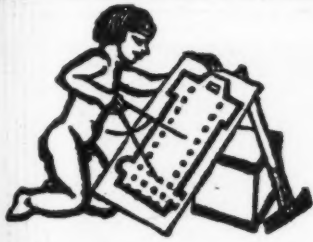
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DIARY FOR SEPTEMBER OCTOBER AND NOVEMBER

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

BIRMINGHAM. S. F. Morice: *The Re-planning of Obsolete City Areas*. R. F. H. Ross: *Acquisition and Administration of Properties in a Central Redevelopment Scheme*. The Council House. (Sponsor, RSI.) Oct. 6

BRADFORD. *Design Week* organized by the Council of Industrial Design. Details to be announced locally.

UNTIL SEPT. 17

GLASGOW. *Electrical Appliances Exhibition*. (Permanent.) Electrical Section, Scottish Building Centre, 425 and 427, Sauchiehall Street, Glasgow, C.2.

Scottish Industries Exhibition. Kelvin Hall. (Sponsor, the Scottish Council.) 10 a.m. to 10 p.m. daily, except Sundays.

UNTIL SEPTEMBER 17

LONDON. *Background to Design Exhibition*. (Sponsor, CID.) Rayon Design Centre, 1, Upper Grosvenor Street, W.1. Weekdays, except Saturday, 10 a.m. to 4 p.m. Closing date not announced.

Dry Rot Exhibition. Building Centre, 9, Conduit Street, W.C.1. (Sponsor, DSIR.) UNTIL OCT. 22

The Royal Photographic Society's Exhibition. At 16, Princes Gate, S.W.7. Part 1. Pictorial, Colour and Stereoscopic.

UNTIL OCT. 2

Textiles and Textures Exhibition. At Murray House, Petty France, S.W.1. (Sponsor, C.I.D.)

SEPT. 20-OCT. 21

Professor R. H. Bolt, Director of the Acoustics Laboratory at the Massachusetts Institute of Technology. The Royal Institution, Albemarle Street. *Room Acoustics*. A course of six lectures, with two informal meetings for the discussion of theoretical physics and one for the discussion of practical aspects of the design of concert halls, theatres and studios. Sept. 29, at 5 p.m., *Standard Practice*. Sept. 30, at 5 p.m., *Physical and Psycho-acoustic Basis*. Oct. 3, at 5 p.m., *Standing Waves*. Oct. 4, at 10.30 a.m., *Theoretical Colloquium*. At 5.30 p.m., *Wave Statistics*. October 5, at 10.30 a.m., *Theoretical Colloquium*. At 5 p.m., *Free Waves and Pulse Statistics*. October 6, at 10.30 a.m., *Architectural Discussion*. Oct. 7, at 5 p.m., *Future Practice*. Registration fee: 10s. 6d. Apply Joint Honorary Secretaries, Acoustics Group of the Physical Society, at 1, Lowther Gardens, Exhibition Road, S.W.7.

TUNBRIDGE WELLS. *Building Week*.

A series of lectures at 3 p.m. in the Council Chamber, Civic Centre. Sept. 19, Sir Lancelot Keay: *The Architect and the Building Industry*. Sept. 20, Anthony L. Pegman: *Education and Training*. Sept. 21, Dr. T. W. Parker: *Building Science Today*. Sept. 22, Sir Thomas P. Bennett: *Crawley New Town*. At 7 p.m., H. Kaylor: *Pre-stressed Concrete*. Sept. 23, at 3 p.m., Sir Harold Emmerson: *The Building Industry*. SEPTEMBER 19-24

COMPETITIONS

Design for Public Hall and Restaurant. The Whitehaven Corporation invite architects resident in this country to submit designs in competition for the Public Hall and Restaurant which they propose to erect in Whitehaven. Assessor: Mr. Harold A. Dod. Premiums: £300, £250, and £175. The last day for submitting designs, March 15, 1950. A deposit of £2 is required from competitors. Conditions may be obtained on application to the Town Clerk, Town Hall, Whitehaven, Cumberland.

Festival of Britain Competitions. (1) "Vertical Feature" competition. This will be the dominant vertical element in the exhibition. It may be completely abstract in conception or related to the theme of the exhibition. Height should relate to adjoining buildings. Overall area of site is 40 ft. square, excluding surrounding promenade area which may be used for geying. Steel and timber employed should be restricted to a minimum. Assessors: Presentation Panel of the Festival of Britain. Premiums: First prize, £300; second prize, £150; third prize, £100. Further fees will be payable for preparation of detailed working drawings if prize-winning design is constructed.

(2) Restaurant competition. Qualities looked for will be suitability for purpose, character, originality and inventiveness. It will be in the extreme south corner of the exhibition. Site area: 14,800 ft. super; half of this may be given up to garden. Ingenious use of canvas and similar temporary materials will be an advantage. Assessors: R. Furneaux Jordan, Mischka Black, Hugh Casson, Mark Hartland Thomas and Ralph Tubbs. Premiums: First prize, £250; second prize, £200; third prize, £150. Further fees will be payable for working drawings if prize-winning design is constructed. Closing date: November 1 for "vertical feature" and November 7 for restaurant. Enquiries to Secretary of Presentation Panel, "Festival of Britain, 1951," 2, Savoy Court, W.C.2, the envelope being marked "Competition."

N E W S

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

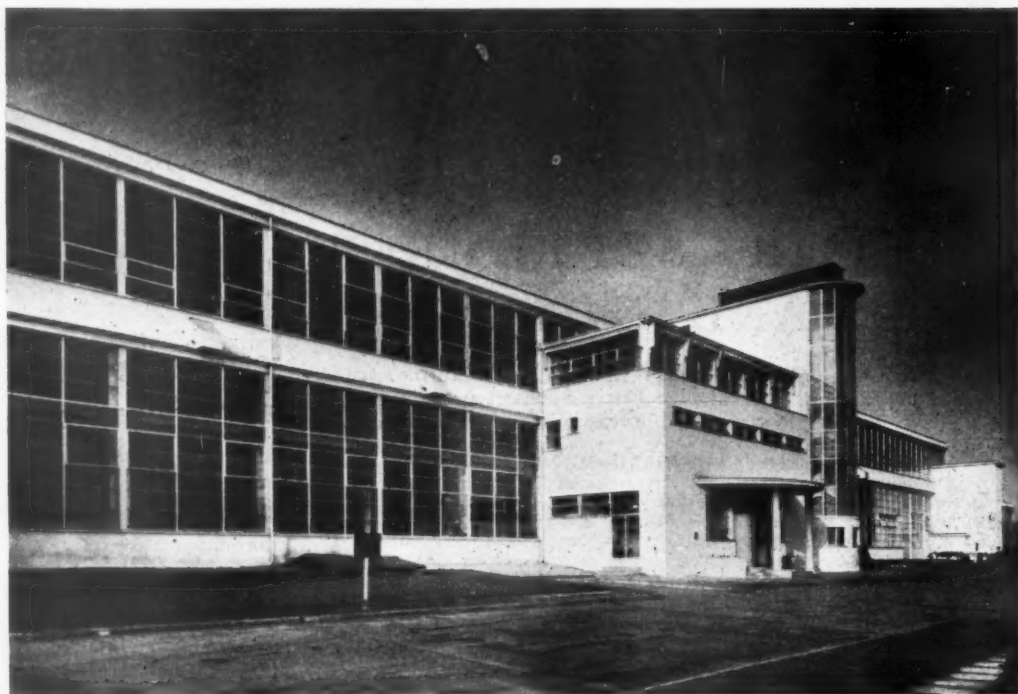
★ means spare a second for this, it will probably be worth it.

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

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

★ The BUILDING RESEARCH STATION'S SCOTTISH LAB- ORATORY is partly completed.

A nucleus of staff have begun work in this building at Thorntonhall. In connection with this a one-day conference on "Scottish needs in Building Research" is to be held in Glasgow, on Thursday, October 6, at the Rankine Hall, 39, Elmbank Crescent, Glasgow, C.2. Apart from introducing the new laboratory, the purpose of the conference is to provide a forum from which Scottish members of the building industry can express their views on Scottish building problems which need research. The principal paper in the morning session will be given by Mr. L. W. Hutson, president of the Royal Incorporation of Architects in Scotland on "The Scottish Tradition in Architecture and Building Construction." The feature of the afternoon session will be a discussion on "Special Problems of Building in Scotland," in which a number of speakers representing the various sides of the industry are to be invited to give a short statement of their views. Requests for tickets should be made to the Director, Building Research Station, Garston, Watford, Herts.



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From AN ARCHITECT'S Commonplace Book
ON PLANNING A TOWN. [From Colonial Williamsburg.] The character of the new town at Middle Plantation was established in a plan provided in 1699 by Governor Francis Nicholson, who soon afterwards was to boast of being "the Founder of a new City." He laid out the streets and open squares and located the proposed public buildings. What proved to be his most notable achievement was the stipulation that each house lot should be one-half acre in size. It was furthermore Nicholson's view that each person should have his own dwelling place, with a sufficient quantity of ground for his house, his garden, and orchard. The act directing the building of Williamsburg, a measure of importance in the history of modern town planning, specified "that two hundred and twenty Acres . . . be . . . sett apart for ground on which the said City shall be built and erected according to the form and manner laid downe in the said draught or plott." Analysis of the plan itself underscores the significance of this document. The plot for each home builder was precisely specified; comments were even made on the design of the houses, and their set-back from the street was determined.

EDINBURGH'S POPULATION may be limited to 500,000.

When the Edinburgh Corporation Planning Committee decided at a recent meeting that this limit should be imposed, Mr. D. K. Plumstead, the city's planning officer, pointed out that the suggested population would be encompassed quite reasonably within the area of the city as outlined in the Advisory Plan.

Sir Andrew Murray said that unless the population was limited to 500,000 it would be impossible to maintain the present character of the city.

The Committee's decision has not yet been approved by the Town Council.

A LARGE SPORTS CENTRE is being built in Essex.

This camping and sports centre, which is being built at a cost of £250,000, is intended to be one of the show pieces at the Festival of Britain in 1951. It is to be used by young people and families who cannot afford holidays by the sea. The project was deferred by the outbreak of war after land had been acquired at Grange Farm, Chigwell, Essex. An assembly hall will be sited close to the camp entrance. The principal buildings include a sports pavilion, a community centre, with hall, restaurant, quiet rooms, and a shop, sports dressing rooms and grandstand, a chapel, outdoor theatre, private and group huts, and a communal kitchen.

The architects, Kenneth Lindy and Partners, have planned the building near the road frontage in accordance with the character of existing property. A useful feature of the chapel building is that the side walls can be folded back for an open-air service with a much-enlarged congregation. The project is financed largely by the London Parochial Charities, but ordinary running and maintenance will be in the hands of a council of management.

★★

The STEVENAGE MASTER PLAN has been submitted to the Minister of Town and Country Planning.

This was announced recently by Mr. Charles Madge, social development officer to the Stevenage Development Corporation. The plan is to be exhibited to Stevenage residents, and a public inquiry will be held for the hearing of objections. Stevenage UDC has already objected to the proposed site for the new town's centre, thus preventing the Development Corporation from proceeding with the construction of a loop-road giving access to housing sites. It is hoped to start work on two other roads within two months.

The first buildings to be erected, for which the corporation expects to let the contract by the end of October, will be 217 workers' flats. The largest block of about 72 dwellings will be seven storeys high. The ground floor will contain laundries, stores, perambulator garages, and workshops, and there will be lifts to give access to the flats.

The Minister of Works is to open TWO HOUSES BUILT by BOY BUILDERS at Southampton.

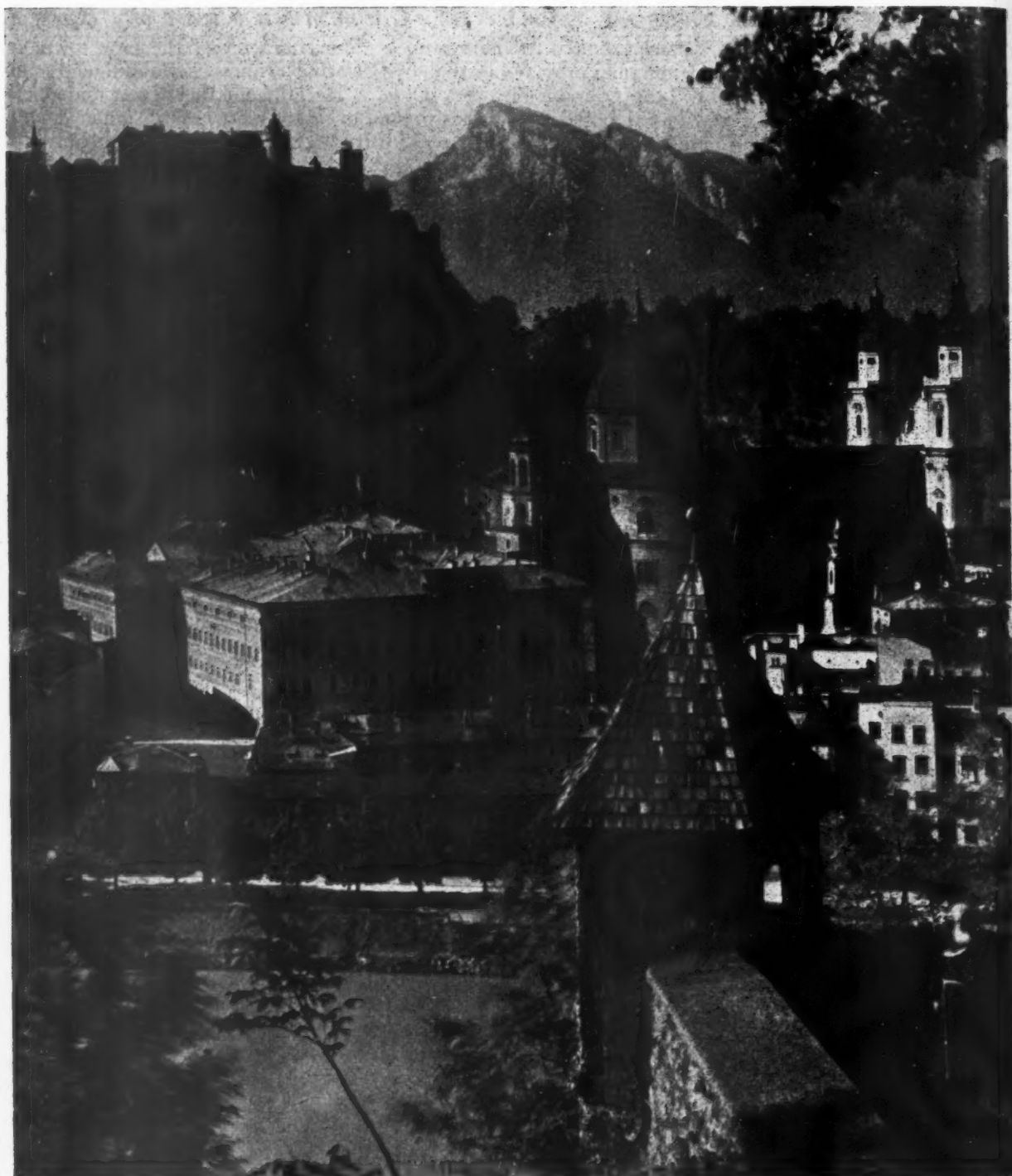
These houses will be the first two completed by boy builders on the Barnfield Estate, Western Lane, Woolston. About 100 boys, under the Apprentice Master Scheme of the Building Apprenticeship and Training Council have been engaged on the Estate project of 40 houses and 5 flats. They commenced work on April 12 last year. The project was more than half completed last August. The Apprentice Master Scheme has been in operation in Southampton since December 30, 1946. During this time 159 boys have finished training and have been transferred to local employers for completion of their indentures. They have rebuilt 38 war damaged houses in this area, in addition to the present project.

★ **Two Courses in CONCRETE TECHNOLOGY will be given at the Northern Polytechnic.**

These will be given by arrangement with the Reinforced Concrete Association during the 1949/50 session. The curricula comprise lectures and laboratory instruction in the properties of concrete, aggregates and cement, and the proportioning, mixing, placing and consolidation of concrete. The first course of twelve lectures, for engineers and architects responsible for preparing specifications, will begin on Tuesday, September 27, 1949, and the second, for foremen and others responsible for carrying them out, on Tuesday, January 10, 1950. The lecturer will be Mr. R. H. Elvery. Classes will be held on Tuesday evenings from 6.30 to 8.30, and the fee for each course is £1. Students wishing to take the first course will be interviewed and enrolled at the Northern Polytechnic from 5.30 to 7.30 on September 19, or on any Monday evening after the opening of the session, and those wishing to take the second course on January 9, 1950. Students residing outside the administrative County of London will require the approval of the Local Education Authority. Further particulars may be obtained from the Head of the Department of Architecture, Surveying and Building, at the Northern Polytechnic, Holloway Road, London, N.7.



A general view of a sculpture exhibition in Kelvingrove Park, Glasgow, which has been on view since June. In the foreground is "Boy and Goose," by Sir William Reid Dick.



A Festival Town

The Austrian festival town of Salzburg, which has been used as a model by the Edinburgh Festival organizers, bears a curious resemblance to its Scottish counterpart. The buildings are, for the most part, of grey stone; a castle set on a rock dominates the town, and is picked out by floodlights at night; and the picturesque roof-tops are often glistening with rain. This year, Salzburg's festival authorities have shown some signs of anxiety at the growing importance of Edinburgh as a cultural centre. But although Edinburgh's natural beauty gives it every chance of rivaling the Austrian town, it is clear that the planners of the

new Edinburgh must consider the future of the Festival and take a few lessons from this beautiful baroque town. It is true that the Abercrombie-Plumstead plan includes a suggestion that a "Festspiel Haus" and Festival club should be built, but something more is required, as is pointed out in our leading article opposite. Whether Edinburgh Festival will develop the same kind of atmosphere that is found in this ideally laid-out Bavarian town, or will form a less continental character of its own, remains to be seen. But in any case it needs, and deserves, the attention of town-planners, as well as exponents of music and drama.

Lectures on the USE OF TIMBER are to be given at the LCC Brixton School of Building.

The course of lectures, which have been arranged in conjunction with the Timber Development Association, will be given by Mr. R. T. Walters, A.R.I.B.A., and Mr. F. D. Silvester, and will deal with modern timber design and the implications of the Draft Code of Practice 112, "Structural Use of Timber in Buildings." Admission to the course, which will commence on Wednesday, October 5, will be restricted to corporate members of appropriate professional institutions or holders of comparable technical qualifications. The fee for the course is £1 5s. Application for admission should be made to the Secretary of the School, Ferndale Road, London, S.W.4, and should reach him not later than September 17.

A COMPULSORY PURCHASE ORDER is being sought for land in the area of ST. PAUL'S

The improvement and town planning committee will present a report to the Common Council towards the end of this month, asking for approval of early redevelopment under a compulsory purchase order of approximately eight acres of land east of St. Paul's, which would, among other changes, mean the removal of the Cathedral Choir School. The committee's report also sets out six other areas in the City which should be approved for redevelopment later. It is stated that the total cost for redevelopment in the area will be £2,700,000.

NEWS IN BRIEF

The Glenrothes Development

Corporation have made several senior appointments to their headquarters staff. They are as follows: Mr. A. McRobie, deputy chief architect and planning officer; Mr. D. M. Stewart, assistant chief planner; Mr. W. G. R. Bodie, assistant chief planner; Mr. L. Howarth, assistant chief architect for housing; Mr. N. A. Macdonald, senior engineer.

Mr. Frederick Napp, chief

architectural assistant in the Borough Engineer and Surveyor's Department, Luton, Bedfordshire, since 1945, has been appointed deputy city architect of Plymouth. He will take up his new appointment in October.

The Church of St. Mary, Astley,

is liable to be damaged by settlement if the proposal of the National Coal Board is accepted. The NCB are anxious to obtain an estimated 790,000 tons of coal which was left uncut beneath the church by the previous owners of the Arley Colliery.

Woods at Silverdale, Carnforth,

have been acquired by the National Trust from the Treasury. Eaves Wood and Waterslack Wood, totalling 97 acres, were accepted by the Treasury in lieu of death duties, payable on the estate of the late F. J. Dickens.

Liverpool central area,

which was heavily blitzed, is being studied by the members of the Liverpool Chamber of Commerce, who are preparing a complete survey of the site and of the business which the members intend to carry on in the area. It is hoped that the scheme will assist Liverpool Corporation and the MOTCP in making a start on rebuilding the city.

THE FUTURE OF A FESTIVAL CITY

EDINBURGH'S future as a Festival city is closely linked with its plans for reconstruction. That it has a future is apparent from the success of the third Festival which has just finished. Indeed, comparisons are already being made between the Scottish city and the old festival town of Salzburg. However, such comparisons are not yet fully justified. Certainly Edinburgh bears a strange resemblance to the Austrian town, but it takes more than a castle on a rock to establish a cultural centre. The visitor to the Edinburgh Festival may easily be so dazzled by over-indulgence in artistic events that he finds himself full of praise for everything he sees, and comes away murmuring platitudes about the grandeur of the Festival's setting. But the vista on the south side of Princes Street is not a setting; it is merely a background. A setting is a space in which people move or find relaxation. And Edinburgh, as it is now, offers little opportunity for relaxation. Visitors are drawn inevitably towards Princes Street from all sides of the city; but this street is what the Champs Elysées would be if there were no tables in the open air. It tends to encourage aimless movement and restlessness of mind; the very antithesis of what the visitor finds in the concert hall and theatre. However, it is only fair to admit that there is much that is inspiring in Edinburgh. Fortunately, it was spared from destruction at the time of the Industrial Revolution, for the great flood of irresponsible building broke upon the hills, and only a thin stream reached the city. That stream will not become swollen if the local planning committee's recent recommendation for a limitation of population is approved. Such a move will help to preserve the strong character of this seat of learning; a character that is consistent, for there is no particular part of it that may be called the *real* Edinburgh. The grey stones throughout this "unrendered" city give an appearance of honesty and a hint of the eternal.

But the danger of romanticizing has already been mentioned. The city's most inspiring features will be an asset if they are used, not merely as material for the potential poet, but as a basis for constructive thought. It might be suggested that constructive thinking has already been done, and translated into print in the Abercrombie-Plumstead plan. That is true, but just because one plan has been produced it would be foolish to suppose that the right answer to every problem has been found. The newly published plan is far-sighted, but it must be realized that the success or failure of Edinburgh to become another Salzburg will be decided in a year or two, long before such an ambitious plan can be put into operation. If we are really going to take advantage of the city's geographical position and natural amenities, and make it a great international centre for art, then there are comparatively small changes that must be effected within a short time.

What, then, are the needs of a Festival city? To answer that question we must first ask what are the needs of the Festival visitor. It should be recognized that his mood is different from that of the ordinary sightseer. His mind is constantly being stimulated by fine words or good music; consequently he is in a state of mental exhilaration that demands the refreshment of social intercourse. In addition, his intellectual holiday should not be spoiled by the necessity of tramping from one side of the city to the other in search of a hall or theatre, or by the dreary routine of queuing for tickets.

In other words, Edinburgh needs a "Festspiel Haus" which will accommodate theatres, concert halls and social centres. And of equal importance is the need for a leisurely boulevard atmosphere. Would the Abercrombie-Plumstead plan fulfil these requirements? Perhaps it would. But whether this plan or another is finally used it is clear to the Festival visitor that a people who are so sincere, enthusiastic and hospitable, deserve every encouragement in making their city, the Festival city of Britain, and perhaps even of the world.



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N O T E S & T O P I C S

INSIDE THE PUB

A number of colleagues have asked me whether I can give them any news about the competition for the design of pub interiors which *The Architectural Review* has been rumoured to be organizing. The news of it seems to have got about and to be arousing a great deal of interest. Rightly so, because the pub is one of the places where contemporary design and ordinary unsophisticated taste come in closest contact and often in conflict. Whether he can design a good modern pub is the best test of whether the contemporary architect can humanize his art without indulging in period whimsy.

I learn that all details of the *Review* competition will be given in the October number, which is to be a special number on pub interiors. The competition has the backing of the Brewers' Society and the interest of the 1951 Festival authorities, who have the problem of designing a number of pubs for the South Bank exhibition and elsewhere. It is sure to produce a strong and numerous entry.

THISTLE NEVER DO

I have just finished replanning Edinburgh. I can't think how it happened. When I arrived in the city, during the first week of the Festival, I had no intention of criticizing it, let alone making drastic alterations. I don't want to make excuses for my behaviour towards my queenly host, but the fact is that my mind was beginning to disintegrate. Never before had it been asked to cope with the grandeur of Verdi, the delicacy of Mozart and the obscurity of Eliot within the space of a few hours. In addition, it had been working overtime on the problem of maintaining a steady equilibrium in the tram-cars, and was ringing with Allan Ramsay's rhyming couplets. Under such conditions anyone might be guilty of joining the ranks of those who came, not to praise, but to bury the Festival. We all felt like traitors, of course, but when anything is so well organized and successful, it is difficult not to find fault.

I will not pass on major details of the

plan on which I collaborated. The reader may find it, if he pleases, sketched on a table-cloth in a Princes Street tea-shop. As for the minor criticisms, I found that they were shared by many visitors. First of all, of course, there's that railway. I can swear that there's one engine driver who deliberately presses his thumb on his hooter as firmly as possible when passing the Princes Street gardens. We know from long experience that no-one will ever solve the eternal problem of what the engine driver's name is, so the only alternative is to cover the whole railway as soon as possible.

Two more points. In some way the Festival authorities must prevent the organization of mediocre, privately-sponsored exhibitions and the commercial exploitation of the Festival. I'm not suggesting that local bodies should be prevented from giving displays, but that they should receive guidance and, perhaps, financial aid. As for commercial exploitation, a shop window in Princes Street contains the announcement that Chopin gave the world superb music and that somebody or other gives it superb marmalade. If this sort of thing is not stopped we will read next year that it's worth a guinea a box to see Beecham.

However, the Scots often blend the poetic with the prosaic. Visitors who make their way to the Floral Clock this year will find that it bears the legend, in pansies, I believe, "Scottish Industries Exhibition, 1949." No mention is made of that Clydeside city in which the exhibition is being held. Any self-respecting Edinburgh pansy would wilt and die rather than spell the *verboten* word. However, by making a few tactful inquiries I traced the exhibition hall and took a furtive train to Glasgow. The journey was rewarding. On the whole the exhibition at the Kelvin Hall was excellent, and certainly a few hours spent in the contemplation of brewing, mining, weaving and printing were just the right antidote to over-indulgence in less material delights.

ALL ENGLAND ON HOLIDAY

A few weeks ago I remarked how unusual it was to meet an architect as the hero of a modern novel. Knowing the productivity rate of Mr. John

Gloag it would not surprise me to learn that he had written, and had published and printed, his latest novel "All England at Home" (Cassell 10s. 6d.) solely in answer to this challenge.

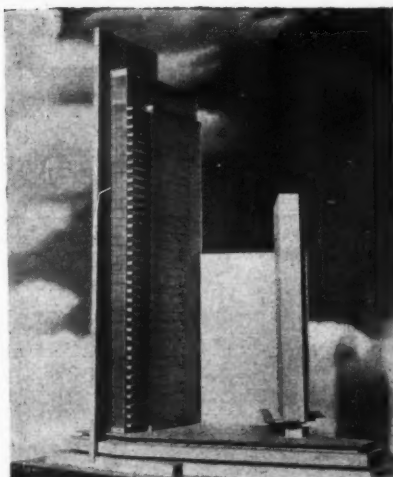
The hero, Richard Faith, is an architect; his story is told autobiographically, in a style which is chatty, enthusiastic, and stuffed with odd bits of information. Mr. Gloag is tirelessly informative, and it all rattles along at a harmless speed. I can't say I cared much for the hero. Like his predecessor in Mr. Turner's "Tiger and the Rose" he is a wet and unsubstantial figure, unable even to put over convincingly the passion he is supposed to feel for Morant Old Hall, the country house which dominates his life. However, September reading—as we are rightly reminded—should be more honoured on the beach than in "The Observer," and this is a holiday book safely to be recommended, for once you have picked it up you can quite easily put it down again.

SOME FOUNTAIN, SOME HEAD

If architects don't shine as virile, romantic heroes in literature, we have, at long last, achieved this distinction in the realm of films. Not just as a stooge to a sentimental Mr. Blandings, but as a real rootin'-tootin' he-man. The architectural masterpieces you see displayed on this page are the work of one Howard Roark, the creation of the American novelist Ayn Rand. You can see him in action, impersonated by that epitome of the American male, Gary Cooper, in the film, "The Fountainhead."

I cannot recommend the film as a really notable achievement of the cinema, nor as a very convincing portrayal of the behaviour of architects in this country. I suspect that, even in America, Gary Cooper's mode of life would be considered slightly eccentric. But then, the character Howard Roark is a genius. Does he not deliver a curtain lecture on the American way of life and on the right, nay, the duty of architects, geniuses and others, to be themselves?

I think those critics who sneered at the architecture portrayed were rather overdoing things. The interiors were



Right, a scene from the film "The Fountainhead," in which the architect describes a design for a housing estate to his client. Above, another typical scheme for a block of flats. Above, right, the designs of a rival architect. See Astragal's comment on this page.



indeed horrid, but the designs would certainly be seized upon by English magazines and visited by large numbers of students if erected here. It is difficult to say whether they are works of genius or not, as there are so few geniuses with whom to make a comparison. Architects who see the film will, no doubt, dimly discern the two distinguished architects from whom the figures of Howard Roark and Henry Cameron were derived. Don't, however, look for any recognizable portraits.

The magnificent housing project illustrated above was designed by Roark, and then, believe it or not, some cads of architects altered it, stuck on balconies, and even decorated the front door with reliefs. This was more than our hero could bear. He armed himself with a stick or two of dynamite and a plunger, and blew the unworthy thing up. Of course, he was triumphantly acquitted by the jury for his noble deed in the cause of the individual and architecture.

ASTRAGAL

LETTERS

A. Lloyd Spencer, A.R.I.B.A.,
A.M.P.T.I.

Alan Dumble, A.R.I.B.A.,
A.M.P.T.I.

John M. Curry, A.R.I.B.A.

J. O. Stevens, A.R.I.B.A.

A. C. Hopkinson, F.R.I.B.A.,

Thomas F. Winterburn, A.R.I.B.A.

J. D. U. Ward

Ministry of Works

SIR,—The letter from anonymous contributor "Desdichado" in the issue of August 25, calls for a reply as the subject matter is a travesty of the facts, as we know from our experience and service with H.M. Office of Works, now the Ministry of Works, London.

"Desdichado's" remarks regarding "the omission of a technicians' organization from the terms of reference of a Working Party sponsored by the Ministry of Works" may be correct, but his criticism of the Ministry of Works Architects Division, its organization and method of working, is refuted.

The letter can be analysed point by point, but it is only necessary to illustrate by two examples:—

Annual Reports—The procedure now in operation was adopted after very exhaustive investigation and with the co-operation of the Civil Service Staff Associations concerned.

Elevations and Planning—Most particular care is taken to consider the surrounding local conditions and materials in the planning of individual buildings. Architects-in-charge are responsible for the research, planning and elevational treatment. The designs are the work of each Architect's Branch, and constructive criticism is received from the "hierarchy"; nevertheless, the designs are the Architect's, in collaboration with their staffs.

We, Architects in charge of Branches, have replied to "Desdichado's" letter without reference to the "hierarchy."

A. LLOYD SPENCER,
ALAN DUMBLE,
JOHN M. CURRY,
J. O. STEVENS,
A. C. HOPKINSON,
THOMAS F. WINTERBURN

Abell House, London.

Forests in the Landscape

SIR.—The frontispiece in the JOURNAL for Sept. 1, and the comments below, provoke me to comment. I am not a professional forester. The birch-oak-maple mixture on the right of the photograph would rank as a poor example of modern forestry; I fancy it was left thus for the sake of that too highly esteemed quality, "amenity."

The apparent suggestion that this is an age of decline in our woods and forests is surely ill founded? Is it not rather an age of great activity? When in the history of England were there ever so many trees planted in three years as in the last three years? If the suggestion of decline is intended to apply only to broad-leaved woods and forests, there may be more in it, for we have suffered very heavy fellings of broad-leaved trees. Most of the chief factors in the broad-leaved/conifer changes are discussed or at least mentioned in the article in the September number of the *Architectural Review*. I wish architects (or indeed anyone) would suggest a feasible and economic method of re-planting those small woods which are on good soils fit for the cultivation of "quality" broad-leaved trees. It is the small woods in the range of 2 to 200 acres which affect so much of the southern landscape, and the economic planting and maintenance of these little patches is a problem to be solved. I do not think the economic bases of forestry and landscape have been adequately considered by those who approach these things from a dilettante angle. The reason for the decline of many privately-owned small woods is substantially the same as the reason for the decline of many great houses. Happily, an 18th century great house may be convertible into a public school, a lunatic asylum or a reformatory, and so survive; but three or four hundred acres of woodland broken up into a dozen patches, located either haphazard or for pheasants or for landscape beauty, present a much more difficult problem for any owner with an empty pocket.

I have no figures for what private owners (who still have over 80 per cent. of the good hardwood or broad-leaved soils in this country) may have done, but the Forestry Commission state in their last annual report that they planted in England over 7,250,000 oak and beech trees in the past season. This figure may seem small beside the 29,500,000 of all species planted in England, but it should be noted by those who think that scarcely any broad-leaved trees are being used.

Abingdon.

J. D. U. WARD

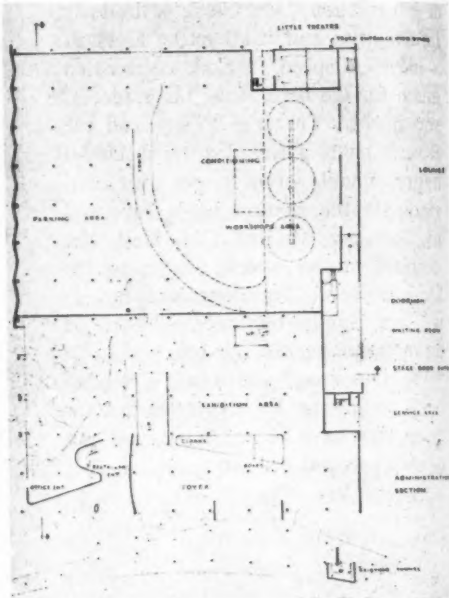
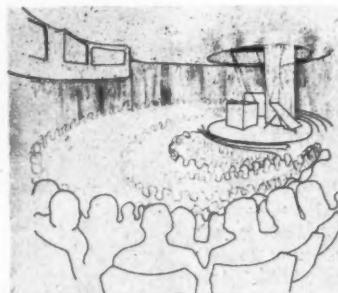
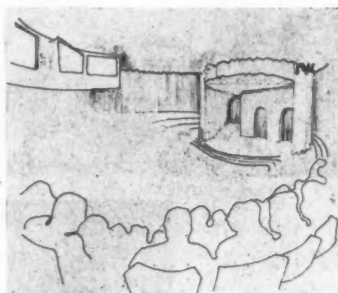
DESIGNS BY STUDENTS OF THE

The CIAM Summer School, organized by the MARS Group, was held at the Architectural Association, No. 7, Bedford Square, from August 8 to September 3. There were thirty-five members.

I. NATIONAL THEATRE

This design for a theatre in Park Square, off Regents Park, is the combined effort of two students, A. G. Hamilton of Australia, and Ricardo Sievers of Argentina. Right, the

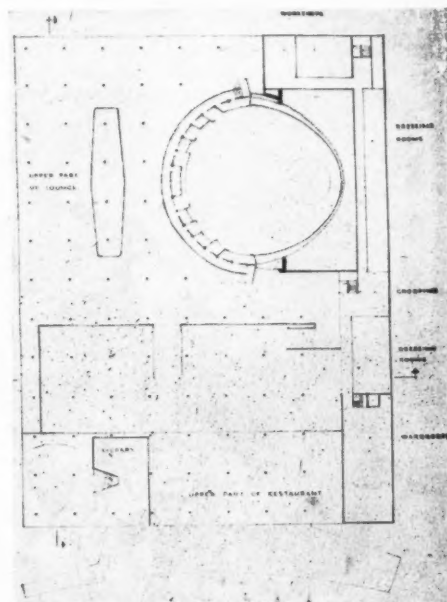
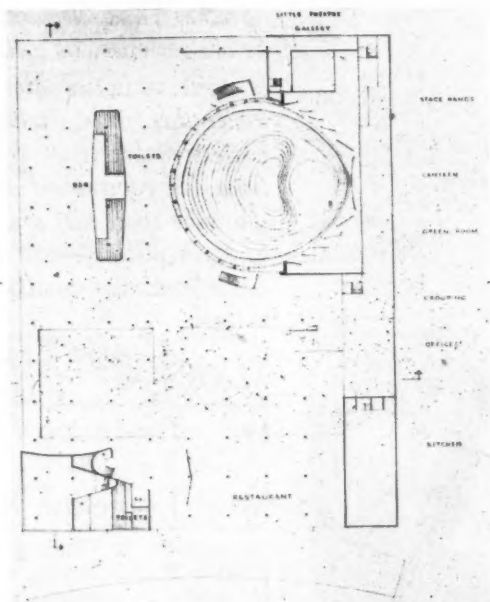
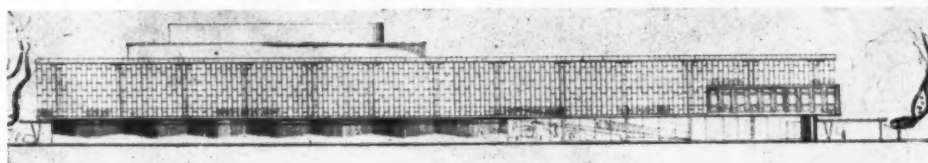
west elevation; below, and right, the ground, first and second floor plans. Below, left, two sketches of the unusual auditorium, showing, bottom, the stage for modern and Elizabethan plays, and top, the stage set for naturalistic or "picture-frame" productions.



2. HOUSING ESTATE ON PARLIAMENT

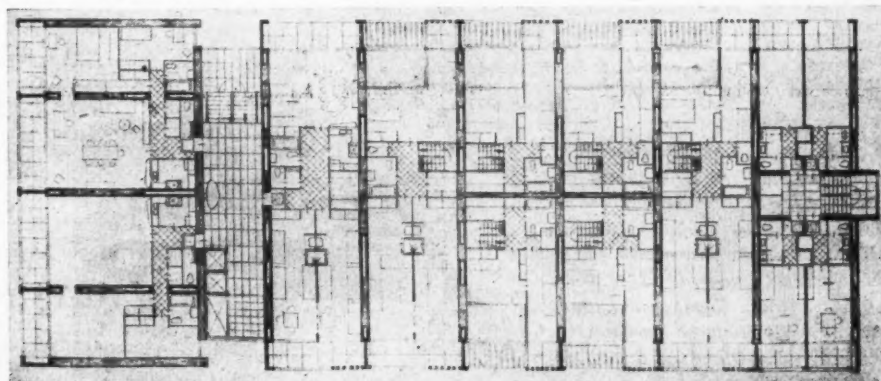
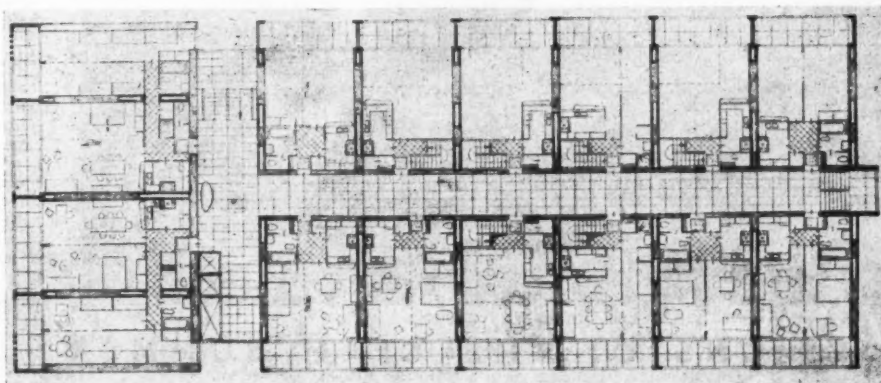
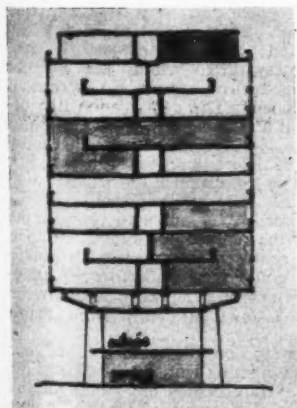


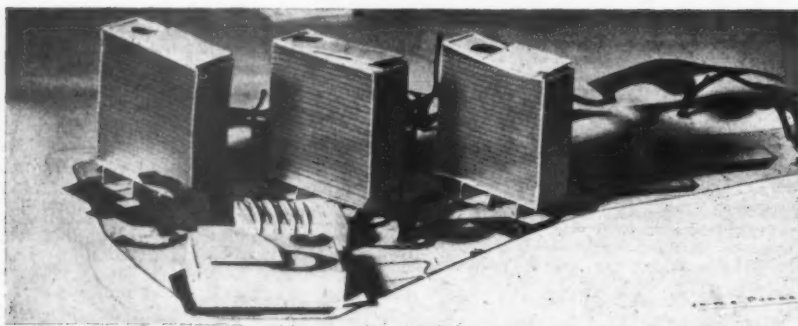
CIAM SUMMER SCHOOL, 1949



HILL, HAMPSTEAD

This design by Oskar Hansen, a Polish student of the CIAM summer school, provides blocks of flats to accommodate 3,000 people on a triangular site which lies east of Hampstead Ponds. Opposite page, the estate from the south-east. Below, a section of one of the flat blocks, and right, two typical floor plans.

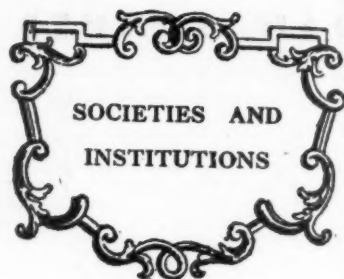




DESIGNS OF THE CIAM SUMMER SCHOOL

(Continued)

Top, a proposal for the development for offices and shops of a site in Knightsbridge, designed by Jaime Ponce De Leon, of Colombia, South America. Above, a design for the replanning of the Elephant and Castle area by L. T. Croft, of South Africa. Right, another scheme for a housing estate in Hampstead by Anders William-Olsson and Bertil Thafvelin of Sweden.



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

MARS

Dr. Ernesto Rogers
and
Miss Jaqueline Tyrwhitt

SEPTEMBER 2. Talk given by Dr. Ernesto Rogers among a symposium of papers on painting, sculpture and architecture, arranged by the MARS Group and the Institute of Contemporary Arts, at the RIBA, 66, Portland Place, W.1. Also summing up by Miss Jaqueline Tyrwhitt.

Dr. Ernesto Rogers: In relation to the subject of progress towards a unity of the plastic arts, have you ever sailed in a boat between the blue sky and the blue sea and experienced the sensations which that engenders? It so happens that a few days ago I found myself in such happy circumstances on my return journey from the Island of Elba. My companions in conversation were two English students of architecture, and I should like to pick up the threads of our talk in the hope of bringing to you a breath of that atmosphere. We spoke of architecture, of painting and of sculpture, gazing far afield towards the line of the horizon. What is this line, sea or sky? It is an illusion, we are told, for no-one has ever been able to define it. It is a goal beyond reach. The whole of human history can be considered as a struggle towards establishing the synthesis within the dialectic terms of this horizon, which, in fact, cannot be apprehended. The demarcation line between animal and mineral, in spite of Stewart MacPherson, is ever less defined, whereby the notion of time and space takes on a new significance and discrimination between matter and spirit tends to disappear.

The Renaissance attempted to conquer the problem of the unity by concentrating upon men as the centre of the universe. No other civilization could have succeeded in establishing the rules of perspective whereby the whole world flows rationally from man's eyes.

There appear on the threshold of our epoch the fascinating words "liberté, égalité, fraternité." Here begins the labour of the disintegration of elements. "Liberté" points

to a definition of man as an individual; "égalité" points to collective values. The solution of the problem of the synthesis resides in that trinity. In every walk of our private, public and international life, the best hope of a solution derives from the fact that we are aware of such a situation; consequently, we shall find it easier to conquer the problem. The plastic arts must undergo a process of elucidation. Unity is not the outcome of chaos but of an ordered relationship between each of the particular essences.

Architecture has met with a big destiny in the books of history. Architecture has been treated as a subject enclosed in itself or as if it were merely an impression of the practical and rational—that is to say, the evolution of constructional principles—or merely as an expression of aesthetics analogous to the way painting and sculpture are treated. It is seldom that architecture is spoken of for its own values. It is precisely between the two channels of approach that the synthesis lies.

Architecture is a composition of special elements bent to a practical end. Only when it is fully acknowledged that architecture is an applied art—applied to life—shall we keep away from the centre of the problems with which it is your business to be concerned. Architecture is an instrument for projecting the abstract values of beauty into everyday use. The consciousness of the modern architect has evolved a high pitch of appreciation of this, and functional architecture is a household expression. What does "functional" mean? Function is a relation between two terms. Functional architecture asserts itself as acknowledging its specific quality to represent a defined function. Architecture has the function of utility and beauty. The form which tangibly expresses these functions must represent the happy conjunction of the two terms. There can be architecture outside this synthesis, either by excess or by default of either of those two terms.

The new architecture has been converted from the ornate. The problem, as we see it, is not only a problem of taste; it is taste interpreted as a choice of a definite kind of utility. The solution of our problem resides in giving full and individual aid to architecture within the scope of the plastic arts. The more architecture becomes aware of the precise function it has to perform with each of the consequent elements—I mean the precise relationship which each of them has within the concepts of utility and beauty—the more it will find deliverance from its problems.

RATIONAL LAWS

Architectural forms cannot be solved according to the laws of an autonomous plastic because there must be compliance with the practical application of the rational laws, of which the most important is human measures. The intimate struggle between the two terms finds its solution in a very precarious synthesis. There is the assertion of the plastic elements and there are the challenging limits imposed by the rational elements. We all know how this happens. History teaches us that. It starts with a thin line as a decoration on a bottle. That line evolves into a zig-zag, and eventually the whole bottle takes the shape of a Venus; and if one wants to fill a glass, Venus must be tipped over and water will spring from her hair.

The ornate has the same influence upon the plastic world. The aspiration of the plastic world is now seen in its endeavour to attain autonomous expression. The solution lies in giving to these elements complete freedom outside the realm of architecture to which these elements must otherwise be in the position of either slave or tyrant. In this way the ornate acquires the dignity of an individual, but the slave or the tyrant would become freemen, though they are still the same in any case in relation to the new and the old life. Therefore

the individuality which springs from the deliverance of the ornate is something definite in its own right. This will leave imagination free for the expression of poetry. This new possibility which derives from the deliverance of the ornate is called by some "abstract art."

Vision should not be restricted to present forms. An infinite field of expansion is wide open before us. The unity of utility and beauty is not an aggregate but a relationship between clearly marked elements, each of which corresponds to the needs imposed by its own essence. Unity in social life bears the name of fraternity and in the realm of art, harmony, the synthesis, just like the horizon between sea and sky, of ethical aspiration and aesthetics. Our time knows how to dream. We must no longer dream romantic dreams with shut eyes, but, gazing far afield to the horizon, we must dream with our eyes open.

Jaqueline Tyrwhitt : (Summing up): I shall bring out the points which have interested me most, regardless of whether they are a true summary of the meeting point by point. There have been three major aspects, the need for opportunity to practice the collaboration, the need for a common outlook and the need for a different type of education. To start with the first one, Richards described the proceedings at Bergamo and said that it was decided there to collect examples from CIAM groups all over the world of collaboration between the architect, the painter and the sculptor which have proved good or bad, and bring illustrations of them to the next Congress, and that one ought to regard sculpture a little differently from figures in stone and should consider the use of light or strip metal as an alternative method of expression. Also, that a painter might use systems of camouflage to create new forms and ideas rather than simply to destroy existing forms as was done during the war. This question was brought up by Giedion who was quoting from another speech about the need for town planners and architects to create a framework within which the arts could assemble, and le Corbusier who described a new centre in Paris which would be opened next year, in which such a synthesis could be practised.

This was taken up by Barry who pointed out that the 1951 Exhibition might provide a similar opportunity, or I think he said that it would if he had anything to do with it, of expressing collaboration between the major arts. He made an interesting point when he said that as town planning and architecture now have to deal with such major projects that team work is essential, he considered it equally essential to have artists and sculptors within the team as to have the sociologists and the economists who are normally added now.

McWilliams carried on this same outlook, pointing out that the demand can only arise really from the architect, who is the only patron left for the sculptor, and of the value of providing opportunity; and Penrose also talked of this provision of opportunity by suggesting again a point which le Corbusier had made and he himself made at Bergamo, that walls should be white-washed over and painted again, and that artists and sculptors should work in more temporary materials. At Bergamo, le Corbusier said that sculptors when looking for places to put their work or to create their work should not wait for somebody to ask them to put some work in a pleasant corner or a London park—where I should like to see sculpture—but to create objects in any places, never minding whether they might be washed away by a heavy storm, but to create, and that would create a demand and the temporary work would therefore have a value.

To come to the other theme, the common outlook. Sweeney started off by describing for us the common man, the man-in-the-

street, pointing out that he was not confined to certain social strata but was a mental outlook and extended from the President of the United States throughout the world. Rogers described the other extreme, the outlook of the man of artistic vision. He said that we needed to dream with open eyes and really see.

The same point, in a different form, was made by Sutherland, who said that it was not necessary just to satisfy our material needs but that buildings should contain a significance and that all we did should contain and express a significance. He made a point which is the real theme of the common outlook, that there should be a harmony and close friendship between the architects, painters and sculptors if one was to achieve anything. The speaker from Vienna said that the people who had really achieved the synthesis in the past were people who could undertake the work of the other man, there being a common approach. Eesteren spoke of his contact with artists and of the effect it had had on his own powers in the creative field of town planning.

SOUND DEVELOPMENT

Heron gave a very pleasant illustration, using Braque's work as a tendency possibly pointing the way in which it is possible in the future to attain sound development of architecture. That related to what we know well, that modern architecture was greatly influenced by Cubism, and that is moving, and he asked which way architecture will move. He said that Braque's preoccupation was now with what might be called the style of an object, that he uncovers a hidden core which sheer familiarity had veiled from our eyes, and he asked how architecture will introduce these more mellow elements of poetry.

Another speaker brought in the point of the common outlook, the architects, painters and sculptors, each working in a similar way, trying to find a harmony between apparently conflicting facts; that each individual can be joined although they are perfectly individual, which is one of the most valuable things that Richards said. He spoke of unity as the unity of fully developed individuals and not of bits and pieces joined together, each individual motivated by a common purpose in providing a portrait of our own time, and in so far as that portrait is a true and sincere portrait there is a point of contact in which they can come together. Another point made was that the architect must serve man, and the point was also brought out of the relationship of this with the comprehension of man.

We come to the final important point about education. Richards started off by referring to the fact that the Ministry of Education has put aside a half of one per cent. of the money spent on schools for painting. When I was in Paris in the spring I spoke to one of the artists who had been asked by the Ministry of Education to send some lithographs under the scheme. He was delighted and said that in no other country but enlightened Britain was such a thing possible. He was fired with enthusiasm to get such work going in France. We used to go to France to look at paintings. This is a move which is a very productive one. Mireau told me that if he could be invited he would willingly work for very little in order to get his work into schools in Britain, and thought that this suggestion was absolutely excellent. Although it is only a half of one per cent., it is a move. Let us hope that some of the efforts of the 1951 Exhibition can be built up to bring progress along these lines.

McWilliams spoke of the need for education together of the major arts and not the separatism which is still so terribly apparent in spite of our lip service. Another speaker had a collaborative education, found it valuable personally and deplored the lack of it and attributed many of our faults in England to the lack of integrated education.



STANDS AT GLASGOW EXHIBITION

*EXHIBITION
ARCHITECT:
BASIL SPENCE*

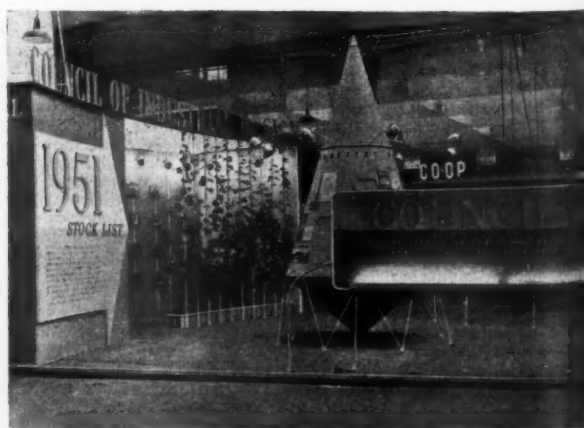
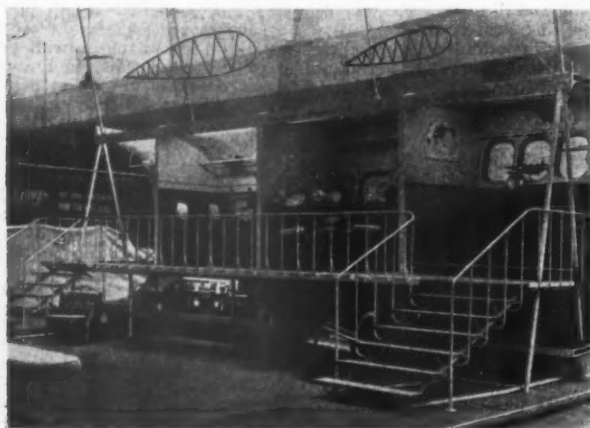
Above, stand for Clyde Navigation Trust, designed by Douglas Stephen. Below, BEA stand and below, right, CID stand, both designed by Basil Spence.

GENERAL.—The Scottish Industries Exhibition, which has been designed to stimulate the development of Scottish economic resources, was opened on September 1 in the Kelvin Hall, Glasgow, one of the largest exhibition halls in Europe. It will remain open until September 17.

The stand shown at the top of this page was designed for the Clyde Navigation Trust by Douglas Stephen. It contains little display material. The main features are two dioramas of the Clyde, displayed in cases, and an illuminated

map of Scotland. The platform is surfaced with Wilton carpet and lino hexagons. Stallboards are of corrugated asbestos and the hand-rails are of polished hardwood.

The two stands below were designed by Basil Spence, the exhibition architect. The BEA display incorporates sections of aircraft and has a moving landscape with cloud effects at the back of the windows to give the impression of flight. The CID stand has an information counter and large areas of display surfaces suspended from pylons. A revolving cone is



used for the display of information concerning recent work sponsored by the CID.

The stands on this page were all designed by Basil Spence. The one on the right, for J. & P. Coats, Ltd., has a central feature of a revolving perspex globe. Threads, which are twisted inside the globe, giving it the appearance of a glass marble, spray upwards to a mural on the ceiling by William Crossbie. Three opaque perspex display panels carry modelled hands, juggling with coloured thread products.

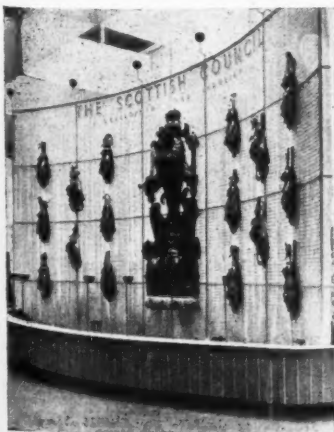
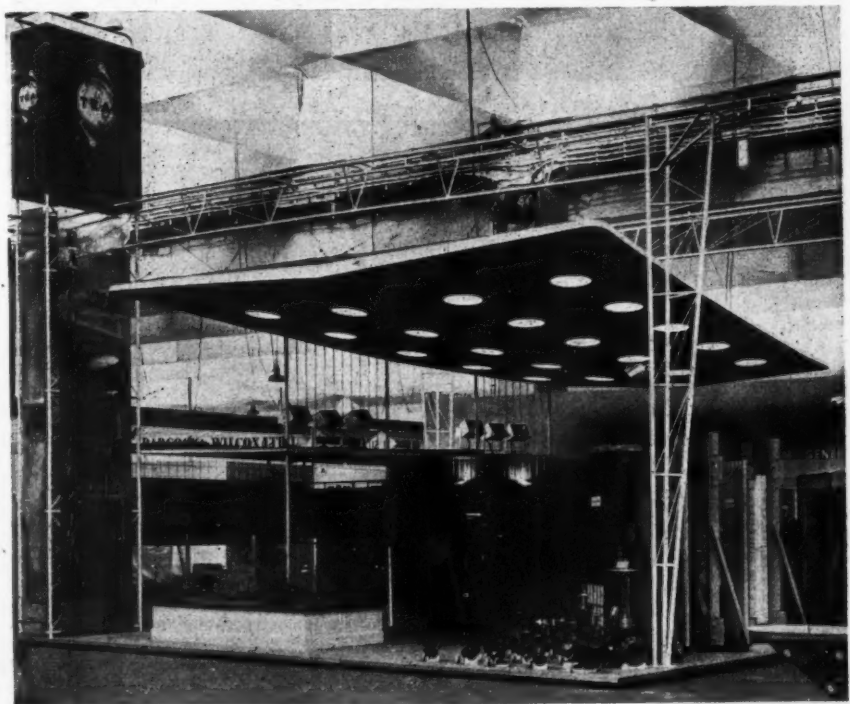
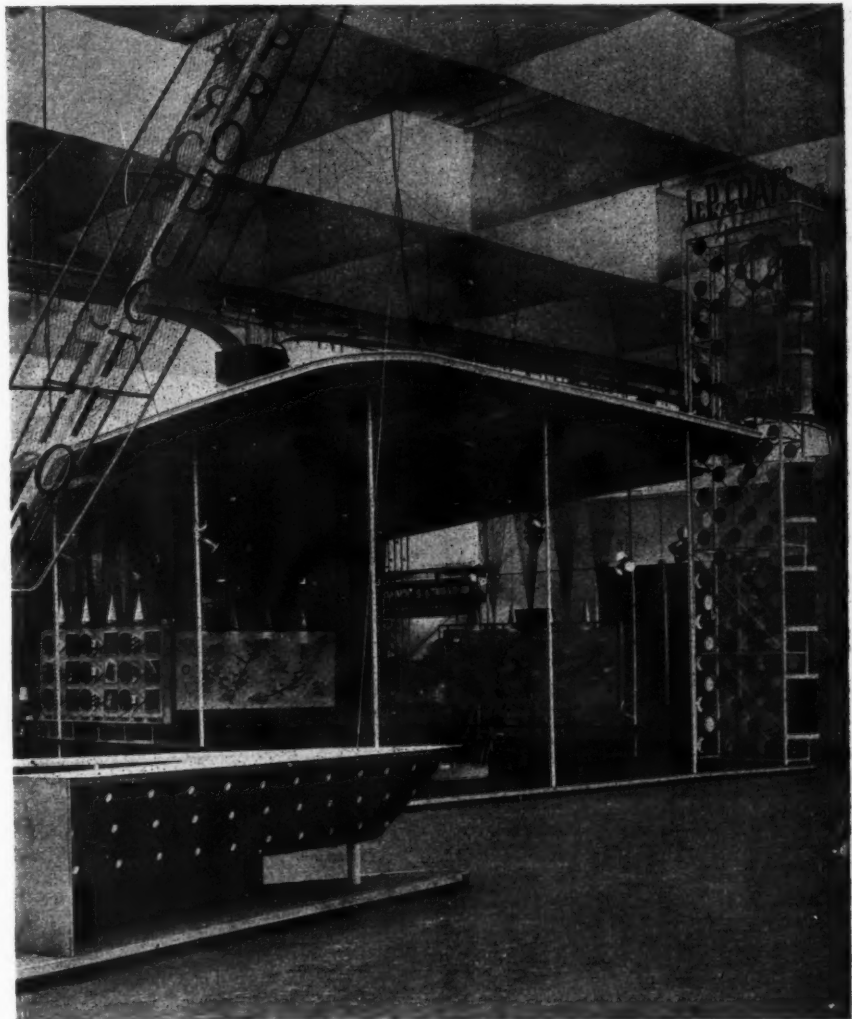
The display for Babcock & Wilcox, Ltd. has a suspended ceiling in light colours with office accommodation in natural woods. Most of the stand has been left free for the display of products.

At the entrance to the exhibition is a stand for the Scottish Council (Development and Industry), which is shown at the foot of this column. A Scottish lion, fabricated in aluminium, is surrounded by the heraldic shields of Knights of the Thistle by Walter Pritchard, and backed with a screen of spun glass.

On the next page two more of Basil Spence's designs are shown. The first, for H. Morris & Co., Ltd., displays furniture designed by Neil Morris and by Mr. Spence. The mural was carried out by John Hutton. The two-storey ICI stand, which has a double cantilever stair with a single column support, contains a large sculptured panel by Tom Whalen.

The stand for the Scotch Whisky Association, which is also shown on the following page, and which contains model of stills and process photographs, was designed by Eric Mansfield.

Above, right, stand for J. & P. Coats and Clark and Co. Ltd. Right, stand for Babcock and Wilcox Ltd. Below, Scottish Council (Development and Industry) stand. (All designed by Basil Spence).





STANDS AT GLASGOW EXHIBITION

*Stand for H. Morris and Co. Ltd.,
designed by Basil Spence.*



*Scotch Whisky Association's stand,
designed by Eric Mansfield.*



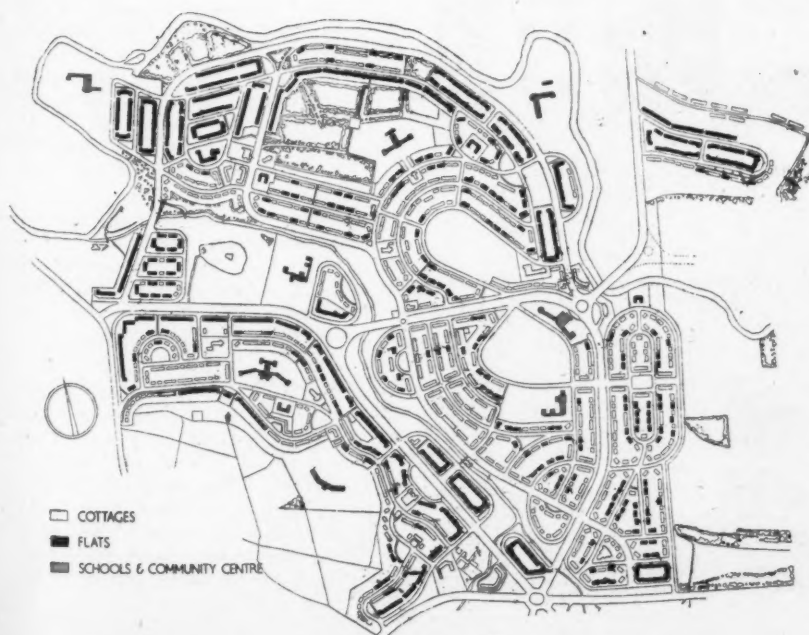
ICI stand, designed by Basil Spence.



A two-storey block of flats, types 1 and 3.

HOUSING FOR GLASGOW

BY THE DIRECTOR OF HOUSING



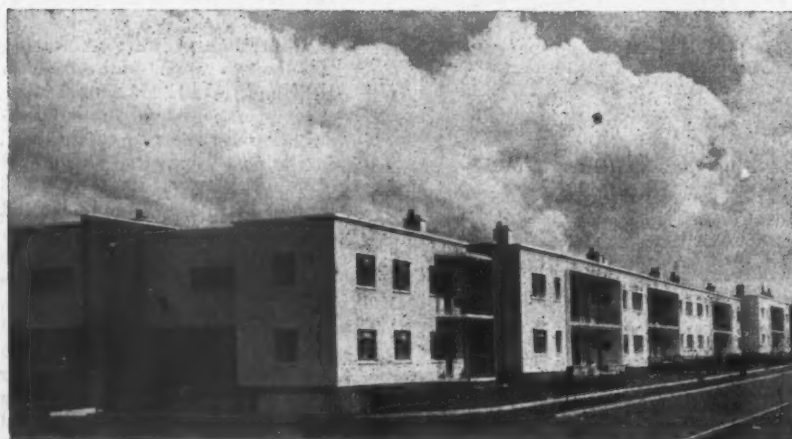
SITE PLAN OF THE POLLOK HOUSING ESTATE [Scale 1/2000"=1'0"]

GENERAL.— Pollok Housing Estate, when completed, will contain over 5,200 dwellings. Building commenced in January, 1938, on the first section of 538 houses, of which 262 had been completed at the outbreak of war. A further 206 houses were authorised in 1943 and, in all, 744 houses were either completed or under construction by the end of the war. In the post-war period to the end of May, 1949, a total of 2,368 dwellings had been completed, and a further 1,816 houses were under construction. These comprise two-, three- and four-storey flats of three and four apartments, and cottages of three, four and five apartments. Sites have been reserved for two blocks of flats for single women, each containing sixty flats, and two groups of flats for aged persons. Provision has been made for six shopping centres; one has already been built and three are now under



I. POLLOK ESTATE: FLATS

Left, reading from top to bottom: three-storey flats, types 1 and 3; three-storey flats, with brick balconies, types 1 and 3; two-storey flats, types 2 and 3; two-storey flats, types 2 and 3.



construction. Appropriate allowance has been made in the layout of the scheme for school and church sites. Other amenities such as parks, open spaces, a community centre and a cinema will be included in the full development of the Estate. As a result of the Secretary of State's acceptance of the recommendation of the Scottish Housing Advisory Committee in their Report "Planning our New Homes," published in 1945, it was necessary to scrap the pre-war and war-time plans and to design for the post-war housing programme new types with revised floor areas and incorporating the additional amenities now permitted. The Estate is divided into a number of separate contracts which are being carried out by the Housing Department's direct labour organization and by private contractors. 3,369 houses are being built by direct labour and 1,575 by private contractors. Approximately 270 houses have not yet been contracted for.

PLANNING.—Three types of plan are being used throughout the scheme; types 1 and 2, three and four apartment flats for southerly and northerly aspects; type 3, three and four apartment flats at corners. The plans for two-, three- and four-storey blocks are similar. Access to the

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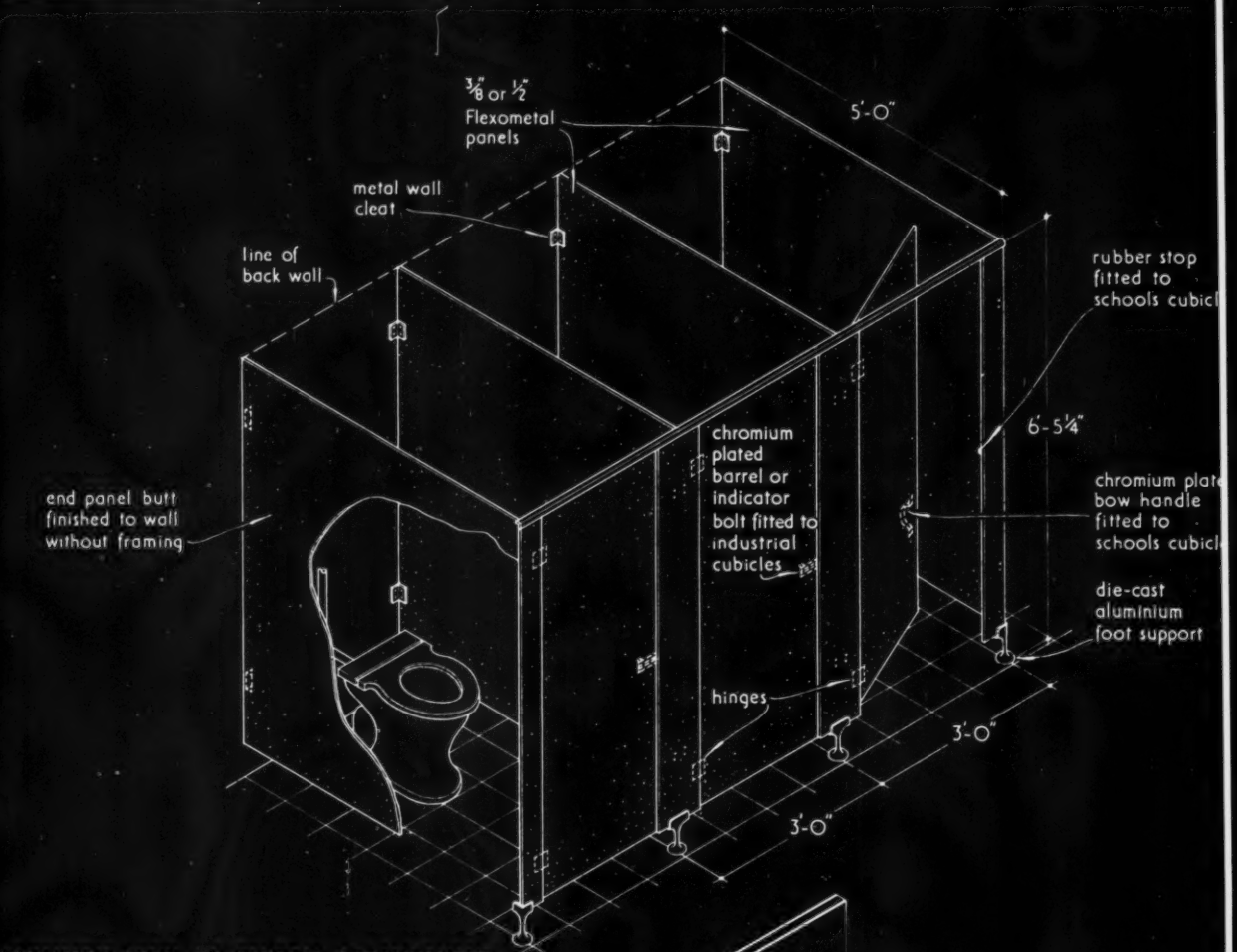
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SPECIALISED FITTINGS | LAVATORY CUBICLES

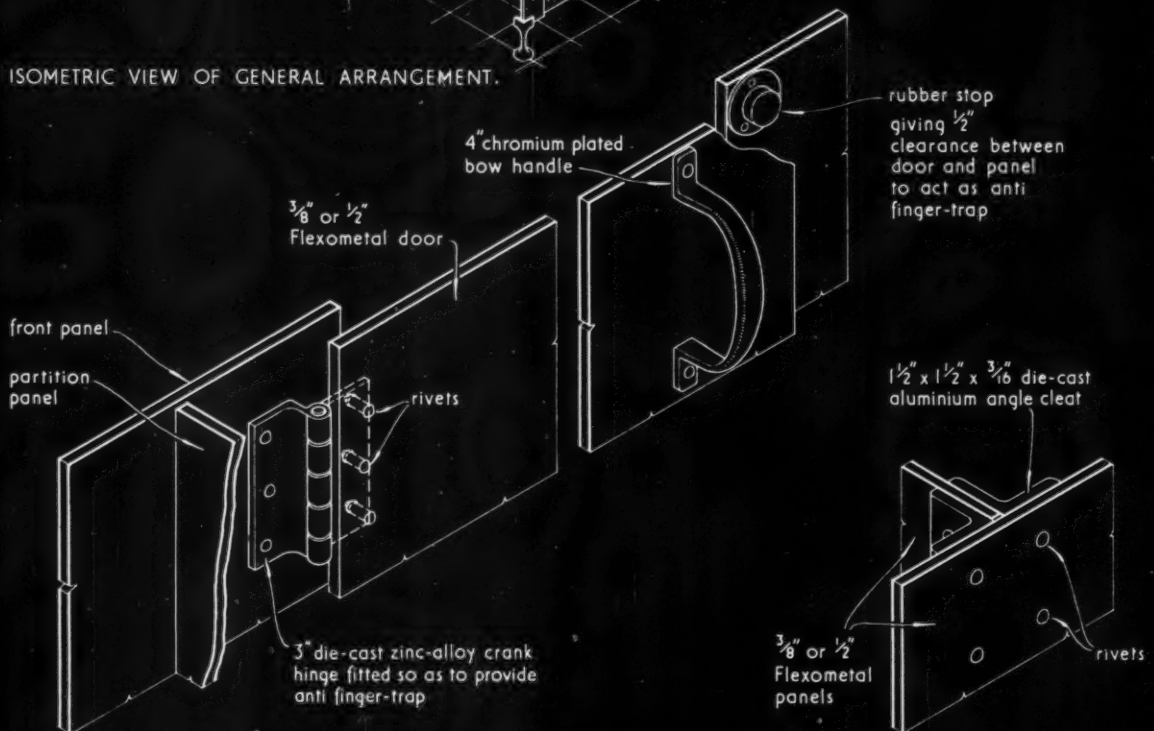
43.Z2

The Architects' Journal Library of Information Sheets 205. Editor: Cotterell Butler, A.R.I.B.A.

REVISED 15.9.49



ISOMETRIC VIEW OF GENERAL ARRANGEMENT.



INTERNAL VIEW OF HINGE, HANDLE AND ANTI FINGER-TRAP FOR SCHOOLS USE.

EXTERNAL VIEW OF JOINT BETWEEN PARTITION AND FRONT.

43.Z2 · FLEXOMETAL · SCHOOLS AND INDUSTRIAL LAVATORY CUBICLE

This Sheet supersedes Sheet 43.Z2 published 24.6.48

It describes the Flexometal schools and industrial lavatory cubicle. The cubicle is constructed of Flexometal (metal-faced plywood) panels cleated together and mounted at the front on die-cast aluminium foot supports. The panels forming the sides of the cubicle and the doors are $\frac{3}{8}$ in. or $\frac{1}{2}$ in. thick. All edges are sealed with metal to render the panels waterproof. Any number of units can be fixed to form a range of cubicles and sizes can be varied to suit requirements.

Construction

Fronts : These are cleated to the partitions and are fitted with die-cast aluminium foot supports for grouting into floor or alternatively drilled for screwing to floor.

Head rail : This is a continuous 1 in. by 1 in. by $\frac{1}{8}$ in. galvanised mild steel angle riveted to the panel fronts and extended for grouting into end walls.

Panels : Flexometal, which is used in the construction of the front, partition and door panels, consists of two thin sheets of metal cemented under high pressure to a plywood core ; it is $\frac{3}{8}$ in. or $\frac{1}{2}$ in. thick.

Schools type cubicle : Hinges are of die-cast zinc-alloy fitted so as to provide an anti finger-trap between the door and front panel.

A rubber stop provides the anti finger-trap at the latch side of the door.

A chromium plated bow handle is also fitted at the latch side and a chromium plated barrel or indicator bolt can be fitted if required.

Industrial type cubicle : Hinges are of die-cast zinc-alloy riveted direct to the door and front panel. A chromium plated barrel or indicator bolt is fitted at the latch side. Automatic coin-locks can be provided if required.

Finish

The metal facings to doors and panels can be either of aluminium or galvanised steel. The whole should be painted to suit surrounding decoration.

B.S. Cubicles

Flexometal cubicles are also manufactured to BS/MOE 27 : 1947—w.c. Compartments with Tubular Metal Frames—types A, B and C.

Compiled from information supplied by :

Flexo Plywood Industries, Ltd.

Address : South Chingford, London, E.4.
Telephone : Silverthorn 2666 (7 lines).

SHERARDIZING

This Sheet describes the sherardizing method of protecting iron and steel by means of a zinc coating and sets out the characteristics, advantages and limitations of the technique.

Process

Sherardizing is a cementation process in which the zinc, in the form of zinc dust, is made to combine with the surface of the component to be protected at a temperature usually below the melting point of zinc. In practice this is usually carried out by packing the components to be treated in containers, together with the zinc dust and inert material, placing the containers in a furnace and revolving them at the same time as they are heated. Details of the process, and in particular the duration of the treatment, are adjusted according to the type and extent of zinc coating required.

All components for treatment must have clean surfaces. This is carried out by acid pickling or shot blasting.

Characteristics

Adhesion of coating: Owing to the nature of the process the zinc literally works into the surface of the component treated resulting in an actual physical combination of iron and zinc. This ensures a mechanically strong coating which will withstand considerable wear, making the process suitable for the treatment of screws, bolts and other items where assembly and disconnection may be involved and where components are likely to be subjected to hard usage prior to erection on site.

Distribution of coating: The mechanical technique also ensures a coating of great uniformity, the zinc penetrating to all faces and corners of the component treated.

Type of coating: A single layer of zinc in physical combination with the iron surface may be obtained or alternatively, a double layer consisting of this combined layer together with an additional layer of pure zinc. This latter is the process most frequently adopted, giving a deposit of about $\frac{1}{2}$ oz. of zinc a square foot.

The dimensional increase of a component when sherardized is usually about 0.0006 in. but coatings of from half to twice this thickness may be produced. The exact nature of the combination of the zinc and iron is not fully known; opinions vary as to the occurrence of an actual iron-zinc alloy.

Control and Inspection : Testing

The process is capable of very rigid control, deposits being made to fine tolerances and efficient inspection of the quality of the coating is practicable owing to the fact that the low temperature furnace treatment results either in the formation of an effective protective skin or fails to take at all. This means that areas of

scale or other impurity in the surface of the component which have not responded to the cleaning treatment and might merely be covered over by other coating methods refuse to take the sherardized coating and are readily detected on inspection. The following copper sulphate inspection test for thickness and quality of coating is generally accepted.

Copper sulphate test: This is designed to gauge the thickness, or expose variations in thickness, of zinc coatings by a gradual stripping of the coating during which the zinc is replaced by copper. The thickness can only be determined, therefore, when the coating has been completely removed from any given area or areas.

- (1) To carry out the test, first remove all traces of foreign matter from the test piece.
- (2) Obtain a neutral saturated solution of copper sulphate specific gravity 1.17.
- (3) The solution should be used at 60 deg. to 70 deg. F.
- (4) Immerse the test piece in this solution for a one-minute period.
- (5) After this immersion rinse immediately in clean water and brush the test piece with a clean nail brush. Do not wipe with rag.

If the test piece will stand four such immersions and brushings without the appearance of *bright* plated copper, it may be regarded as entirely satisfactory. (Fuller details given in B.S. 729 : 1937.)

Corrosion Resistance

In theory, all other factors being equal, the protection afforded by a zinc coating is directly proportional to the thickness of zinc deposited, but in practice the quality and regularity of the coating are important factors.

The penetration of zinc into the iron in the case of sherardizing localises the formation of rust should the protective layer become punctured as the result of excessive mechanical damage. The bond prevents the lifting of the coating adjacent to the point where rust is formed.

The durability of a sherardized component naturally depends on the severity of the conditions to which it is subjected but the following typical examples indicate the approximate degree of protection afforded.

Component	Additional treatment if any	Location	Known period in sound condition
Steel windows	Painted	Exposed	20 years
Railway signal chain ..	None	Track	10 years
20 g. steel plates ..	None	Exposed	12 years
Elec. conduit and fittings	None	Midland stores	18 years
Builders' ironmongery ..	Painted	Exposed	16 years

40.B1 SHERARDIZING

Limitations

Since components to be treated have to be packed into containers there are definite limitations to the size of products which may be sherardized. At the present time the size limitations are as follows :—

(20 ft. × 1 ft. × 1 ft.), (6 ft. × 1 ft. 7 in. × 1 ft.), (6 ft. × 1 ft. 4 in. × 1 ft. 4 in.), (3 ft. 4 in. × 1 ft. 7 in. × 1 ft. 7 in.)

Similarly, articles such as tanks, cisterns, etc. are unsuitable for treatment. Items such as window frames are sherardized before assembly, the joints, if welded, being sprayed afterwards to prevent corrosion at the weld. Exceptionally thin sections also raise difficulties, but the thin pressed steel sections used for fixing building board linings, etc. are well within the limits of the process.

Applications

The following list of typical building industry products indicates suitable applications of the process :

Wood screws, nails, roofing bolts, nuts and washers, casement stays and fasteners, hinges, gate latches, lock cases, steel windows, fanlight operating gear, electrical conduit and fittings, metal trim, wall ties sliding door gear, sign brackets, fence straining bolts, playground equipment, street lighting fittings and fastenings for concrete.

Finish

Sherardized work results in a matt grey finish which needs no further treatment for general purposes.

Where further finish is required, the sherardized surface may be :

Blackened and polished to give an "antique" finish,
burnished to give an armour bright finish,
blackened with "Sherablak,"
painted direct without pre-treatment,
colour washed direct without pre-treatment.

Further Information

The Zinc Alloy Rust-Proofing Co., Ltd., maintains a Technical Information Bureau which is available to answer questions and advise on technical problems dealing with this subject generally.

Compiled from information supplied by :

Zinc Alloy Rust-Proofing Co. Ltd.

Main Works : Shakespeare Street, Horseley Fields,
Wolverhampton.

Telephone : Wolverhampton 20647-8-9.

London Office : Minerva Road, Park Royal, N.W.10.

Telephone : Elgar 6611-2-3

Registered Office : Crawford Street, Rochdale.

Telephone : Rochdale 3880.

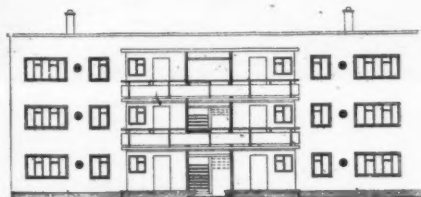
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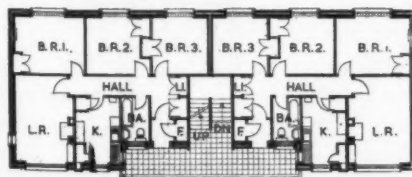
Editor: Cotterell Butler, A.R.I.B.A.



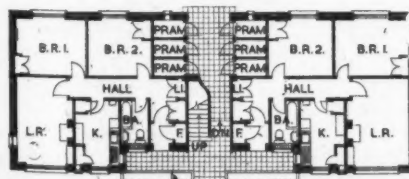
Three-storey flats, types 1 and 3. Below, three-storey flats types 2 and 3.



TYPICAL ELEVATION



TYPICAL FLOOR PLAN



GROUND FLOOR PLAN TYPE 1

[Scale: 1/4" = 1'0"]



BY THE DIRECTOR OF HOUSING



The front balconies of flats, type 1.

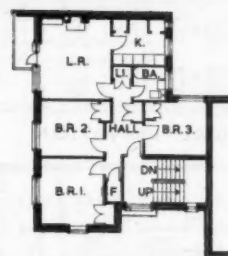
individual flats in types 1 and 2 is from a balcony which, since it serves only two flats on each floor, can be used by the tenants as a private balcony. Plans of types 1 and 2 are identical for the two different aspects, except for the position of the access balcony and staircase. The flats in type 3 are entered from the stair landing, there being one entrance on each landing. In this type a private balcony from the living room is provided. Three apartment flats are placed on the ground floor. The upper floor flats are of four apartments. Pram stores are provided behind the staircase on the ground floor.

CONSTRUCTION.— *Three- and four-storey blocks.* The walls are 16½ in. cavity, with a 9-in. brick inner wall and a 4½-in. thick outer

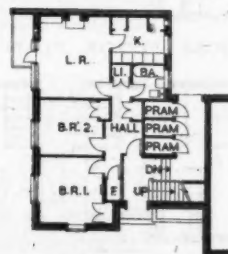
wall of pebble-faced concrete blocks. Alternatively, the outer wall is constructed of 4½ in. brick, finished with rough cast. The party walls are 11½ in. cavity and partitions are 4½ in. brick. The floors on the ground floor are constructed of precast reinforced concrete units and the upper floors are of timber. Windows are of standard steel. Precast reinforced concrete units are used for the roof.

Two-storey blocks. The walls are of 8½ in. thick hollow concrete block construction; otherwise they are the same as the three- and four-storey blocks.

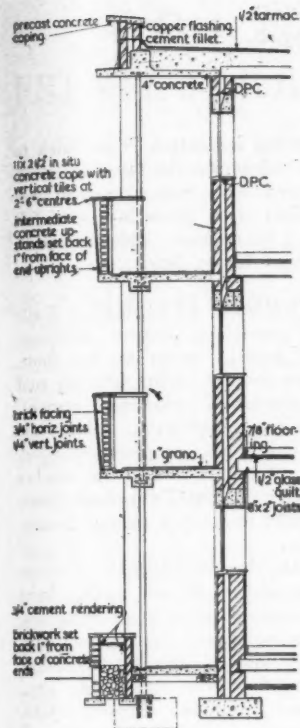
EXTERNAL FINISHES.—Walls, pebble-faced concrete blocks, Dorset pebble dash rough cast and wet dash rough cast. Window surrounds, precast concrete. Roof,



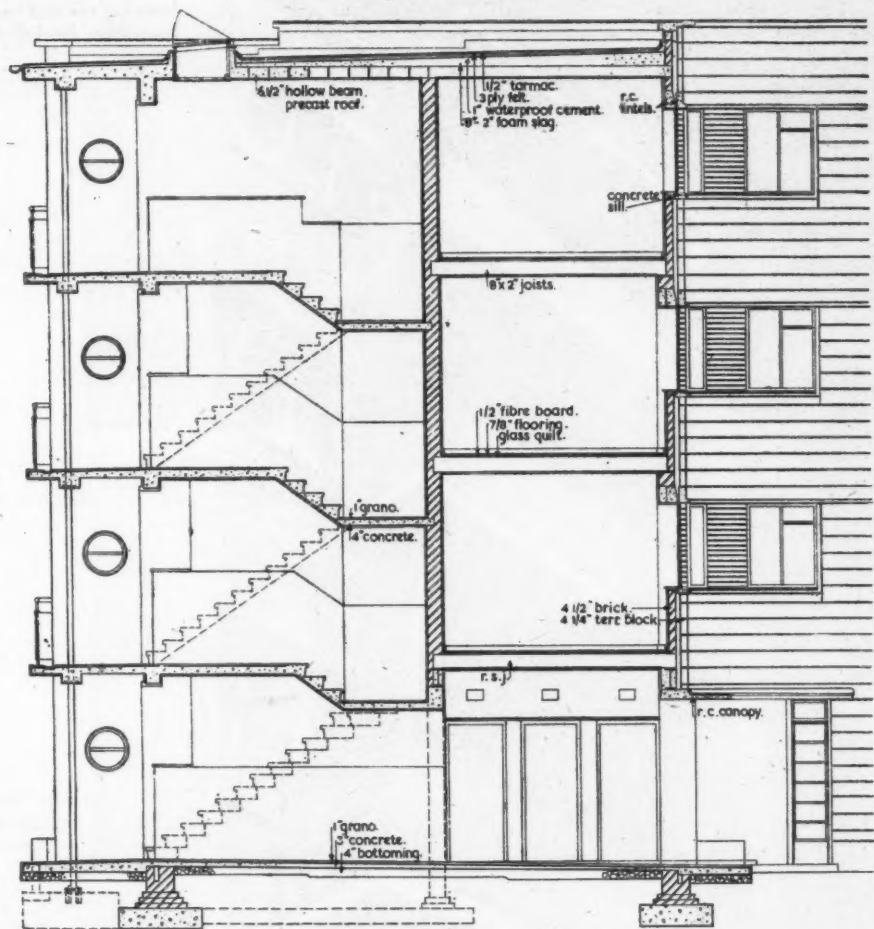
TYPICAL FLOOR PLAN



GROUND FLOOR PLAN, TYPE 3
[Scale: ½" = 1'0"]



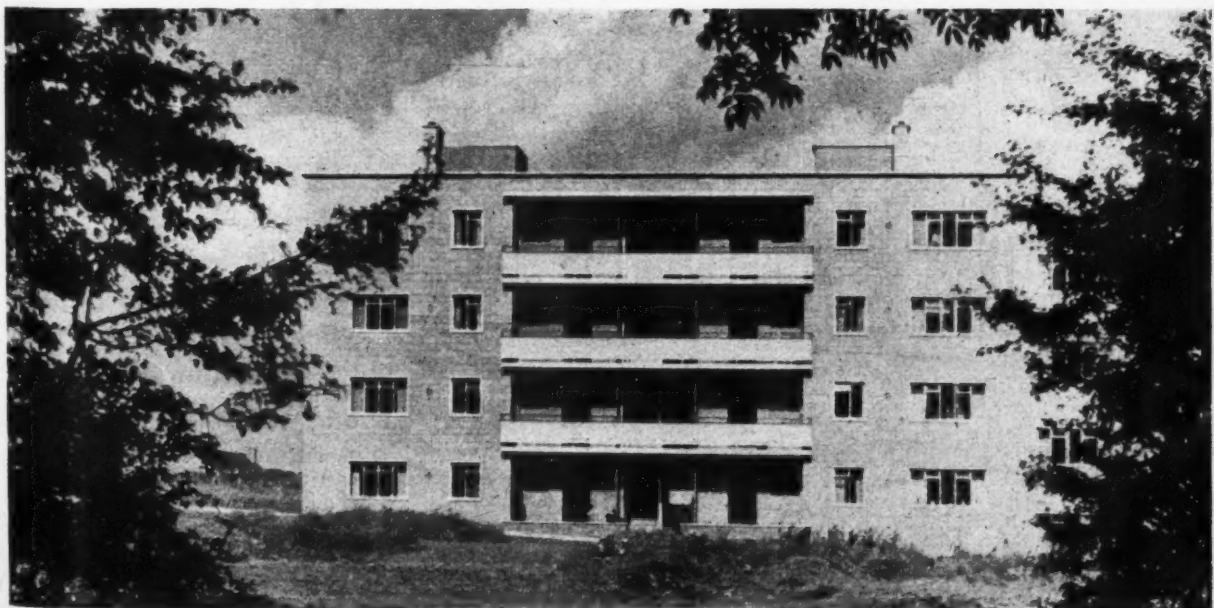
SECTION THROUGH BALCONIES OF BLOCK OF THREE-STOREY FLATS
[Scale: 1/2" = 1'0"]



SECTION THROUGH A BLOCK OF FOUR-STOREY FLATS

[Scale: 1/2" = 1'0"]

A block of four-storey flats, type 1.



BY THE DIRECTOR OF HOUSING

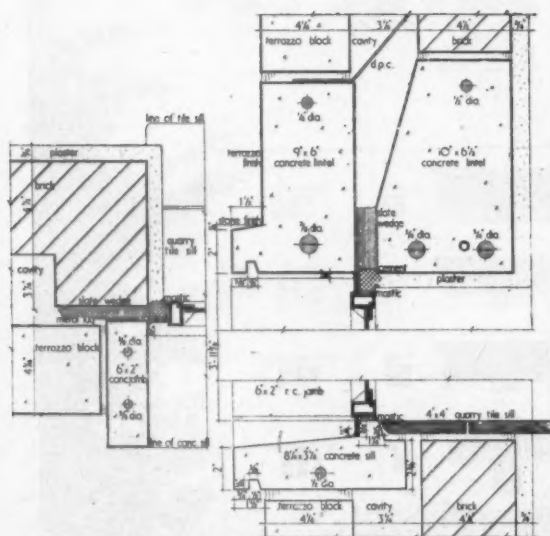


Detail of the end balconies of a four-storey block of flats, type 3.

foamslag insulation, 9 in. thick to 3 in. minimum thickness at eaves, covered with cement screed and finished with three layers of felt and $\frac{1}{2}$ in. tarmac. Balcony fronts, steel or facing brick.

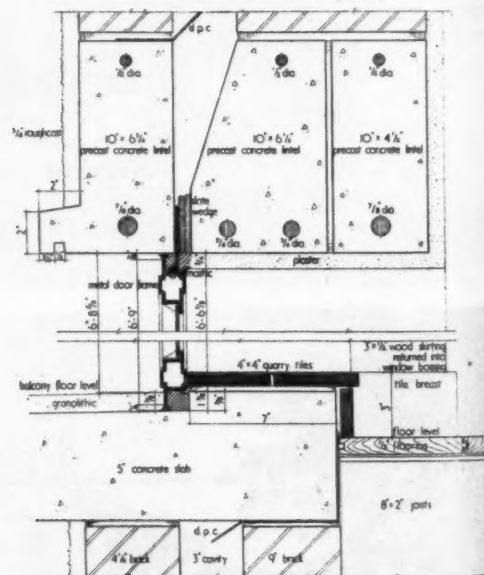
INTERNAL FINISHES.—Walls and partitions, plaster. Ceilings, fibre board, except on top floor, where concrete units forming roof are plastered. Skirtings, cement. Fireplace surround, tile slab. Ground floors, composition flooring. Upper floors, $\frac{1}{2}$ in. timber flooring. Doors, standard, four-panelled in steel or timber frames.

COLOUR SCHEME.—Pebble-faced and rough cast blocks, light brown or white. Steel balconies, turquoise blue. Steel columns, signal red. Concrete window surrounds and canopies, etc., cream. Windows, broken white. External rendering, distempered broken white and dark brown.

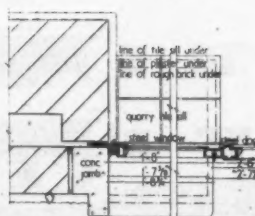


WINDOW DETAILS

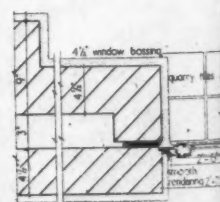
[Scale: $\frac{1}{2}$ full size]



SECTION THROUGH FRENCH DOORS



PLAN THROUGH FRENCH DOORS ABOVE SILL



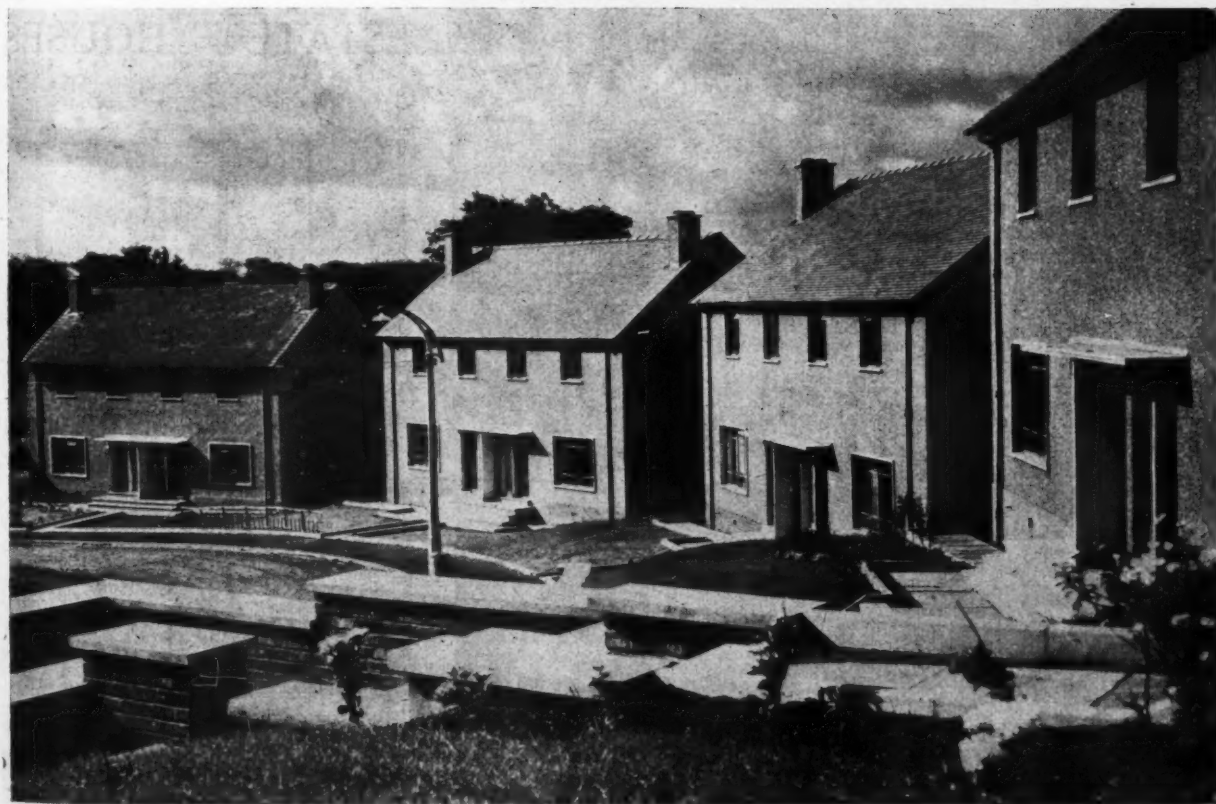
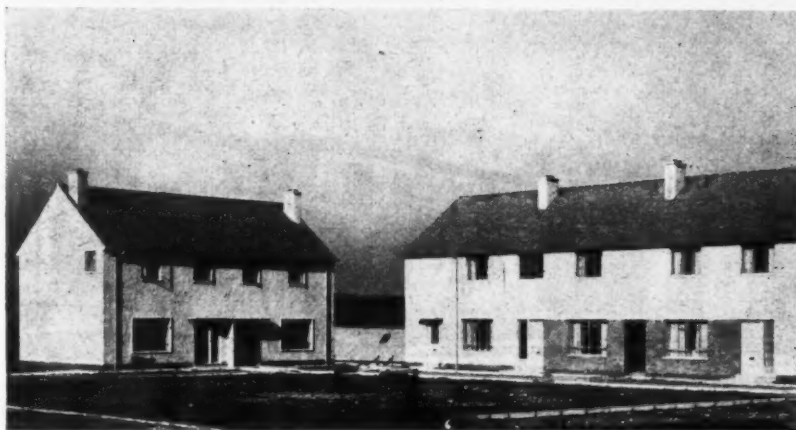
PLAN THROUGH FRENCH DOORS BELOW SILL

2. POLLOK ESTATE: HOUSES

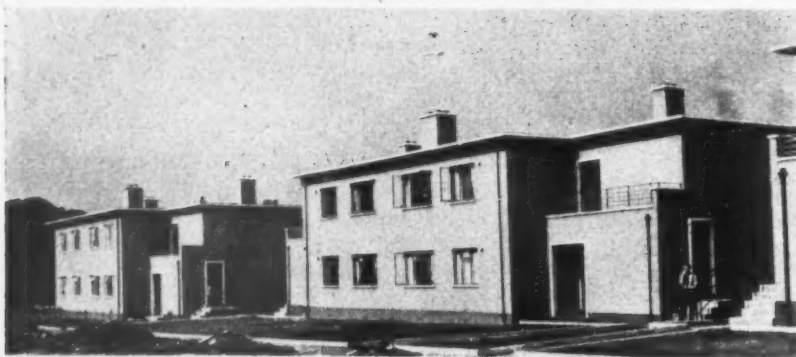
CONSTRUCTION.—The external and party walls of the cottages are of $11\frac{1}{2}$ in. brick cavity construction, rough cast with a facing brick base. $4\frac{1}{2}$ in. brick and 3 in. foamslag partitions are used internally. The first floor and tiled roof are of timber construction. All windows are standard steel types in precast concrete surrounds.

INTERNAL FINISHES.—Walls and partitions, plaster. Ceilings, fibre board. Skirtings, cement. Floors: ground floor, composition flooring; first floor, $\frac{7}{8}$ in. timber flooring. Doors, standard four-panelled in timber frames. For list of sub-contractors see page 298.

Right, top, terrace and flatted type of housing. Right, semi-detached cottage and terrace houses. Bottom, cottage types.



BY THE DIRECTOR OF HOUSING

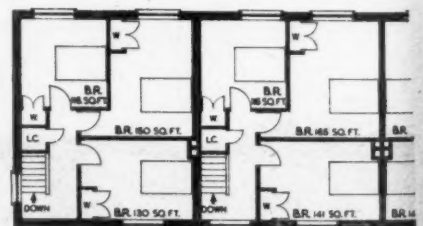


3. PENILEE ESTATE: HOUSES

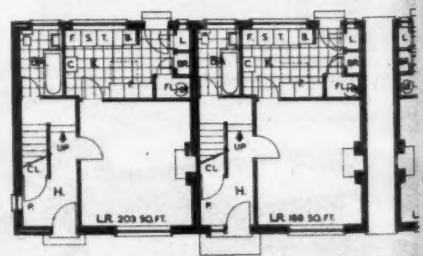
Left, reading from top to bottom: five-room terrace houses, and flatted types in precast concrete construction (both types on the Penilee Estate); two views of Swedish timber houses on the Balornock Estate.

COLOUR SCHEME.—A variety of schemes have been used for the cottage and housing estates, including: Walls, external, white, cream, light and dark brown. Internal walls and ceilings, cream. Window surrounds and canopies, cream. Windows, broken white and pale blue. Doors, external, blue, yellow, red and brown; internal doors and finishings, deep cream, grey, blue, and eau-de-nil.

4. BALORNOCK ESTATE: HOUSES



FIRST FLOOR PLAN



SCALE 0 10 20 30 FEET

GROUND FLOOR PLAN OF FOUR-ROOM TERRACE HOUSE

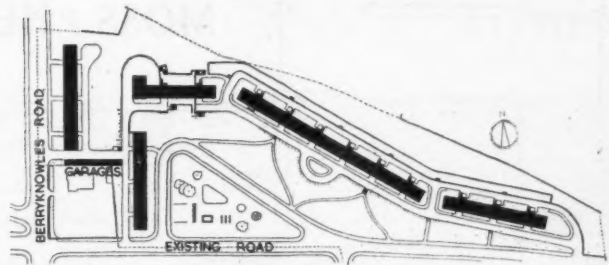
5. MOSS HEIGHTS HOUSING SCHEME

GENERAL.—The scheme consists of 267 flats which are accommodated in three ten-storey blocks and two four-storey blocks. 255 flats are of four apartments and twelve of three apartments. The three apartment flats occupy the ground floor of the four-storey blocks, which are similar in design to those built at Pollok.

CONSTRUCTION.—7-in. thick in-situ reinforced concrete forms outer and spine walls. The outer walling has a 2-in. cavity and a 3-in. inner lining of foamslag. 2-in. pebble-faced slabs form the outer facing.

SERVICES.—Heating and hot water will be supplied to all flats from the central boiler house. Kitchen equipment includes a drying cupboard and, since there are no coal fires, a small incinerator. In the ten-storey flats a staircase and lift is provided for every unit of twenty houses, two houses being entered at each floor. Refuse disposal is by means of chutes placed on a small balcony off the stair landing.

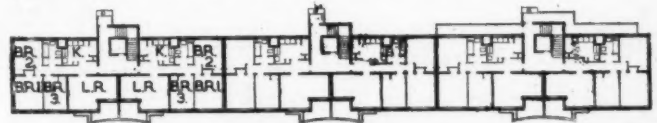
A model of the Moss Heights Housing Scheme.



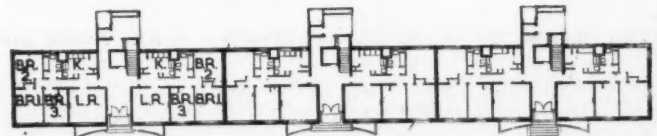
SITE PLAN [Scale: 1:5000]



PART OF TYPICAL ELEVATION



TYPICAL FLOOR PLAN

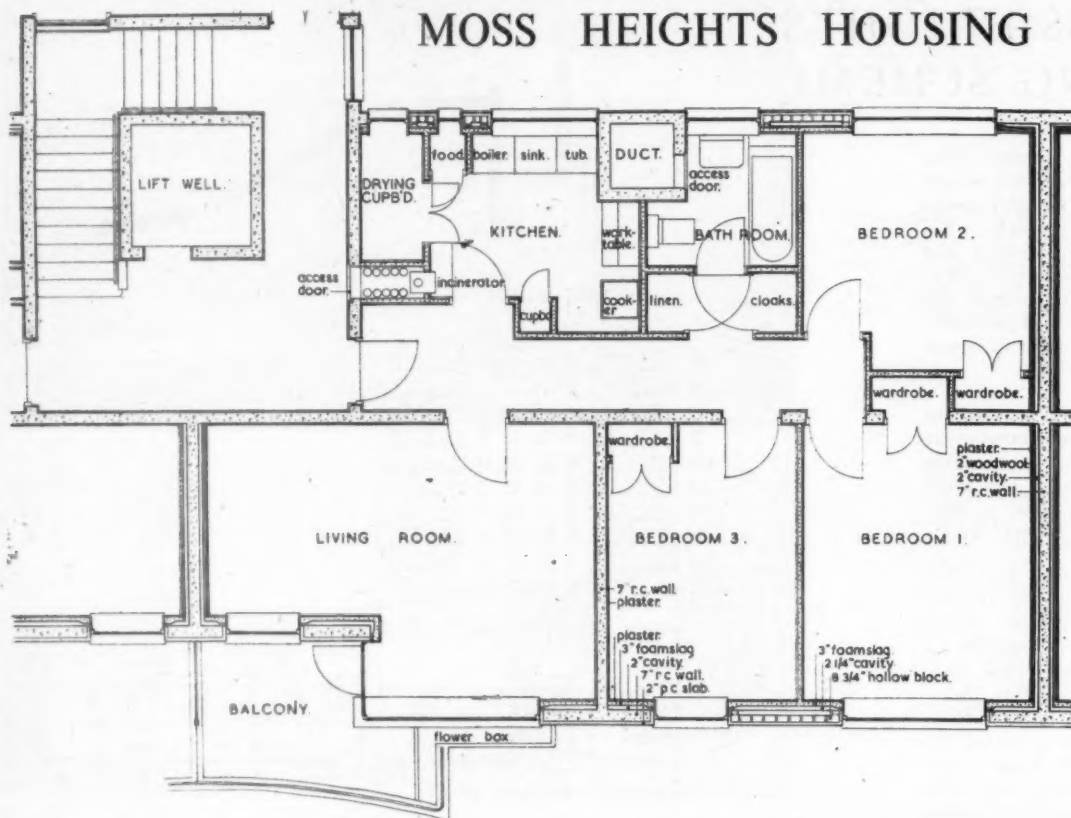


GROUND FLOOR PLAN [Scale: 1/4" = 1'0"]



BY THE DIRECTOR OF HOUSING

MOSS HEIGHTS HOUSING SCHEME

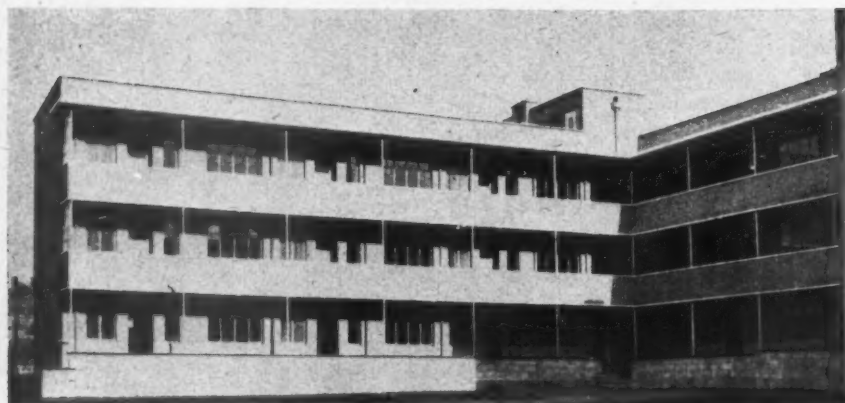


DETAIL PLAN OF A FOUR APARTMENT FLAT, MOSS HEIGHTS

[Scale: 1/4" = 1' 0"]



6. CARNTYNE ESTATE: FLATS FOR SINGLE WOMEN

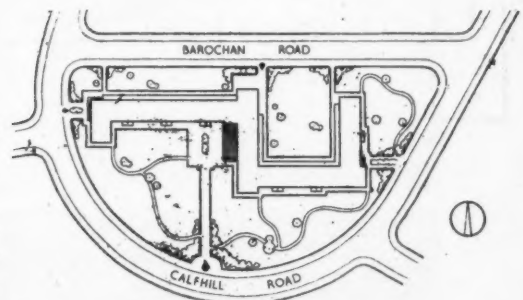


Left, top, block of flats for single women, from the south-east. Left, access balconies to the flats, from the north-west.

7. POLLOK ESTATE : FLATS FOR SINGLE WOMEN



A perspective of a block of flats for single women to be erected on the Pollok Housing Estate. Bottom, a model of the scheme.



SITE PLAN [Scale : $\frac{1}{8}$ " = 1'0"]

GENERAL.—The scheme consists of 60 small flats for single women and a three apartment flat for the caretaker. In addition, a common room with a small kitchen is provided. Each flat consists of a living room with a bed alcove and private balcony. The bed alcove, equipped with a built-in wardrobe, has a window. A kitchen and bathroom is provided.

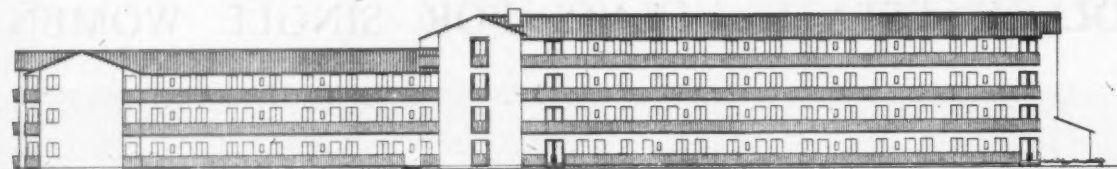
CONSTRUCTION.—The outer walls are of $16\frac{1}{2}$ in. hollow wall construction consisting of an outer leaf of $4\frac{1}{2}$ in. brick work, 3 in. cavity and 9 in. brick inner wall. Partitions are of $4\frac{1}{2}$ in. brick plastered. The external finish is rough cast colour washed. Floors are of concrete with composition flooring. Heating and hot water is supplied by a central boiler house.



TYPICAL CROSS SECTION [Scale : $\frac{1}{16}$ " = 1'0"]



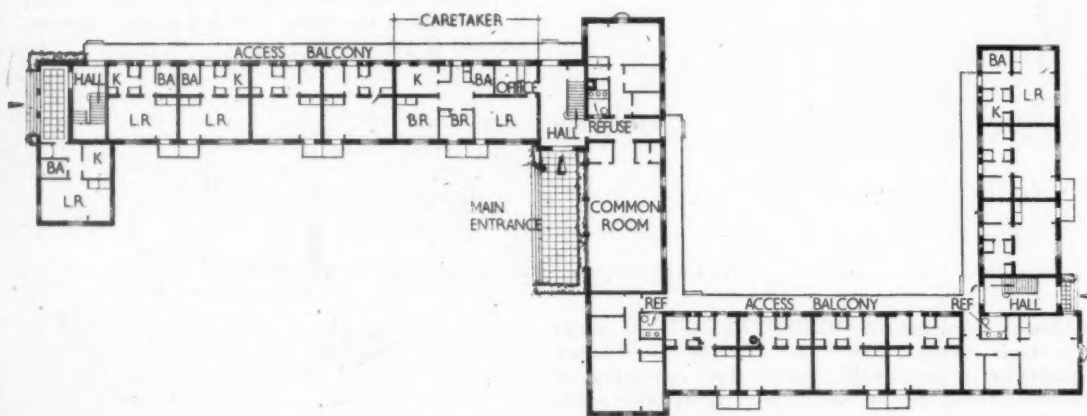
BY THE DIRECTOR OF HOUSING



NORTH ELEVATION

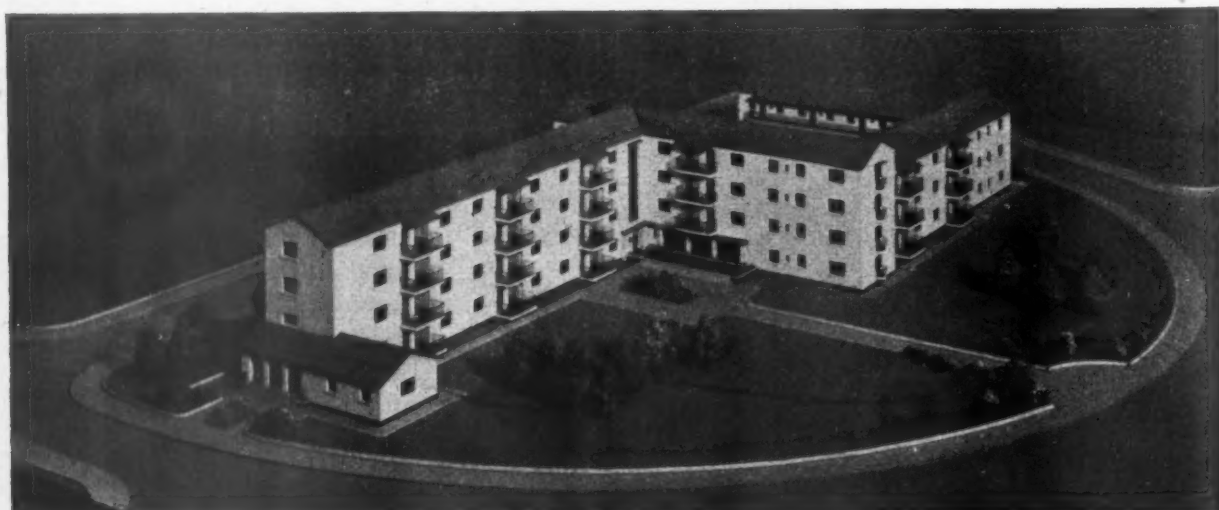


SOUTH ELEVATION



GROUND FLOOR PLAN [Scale: $\frac{1}{4}$ " = 1'0"]

*Model of a block of flats for single women
to be erected on the Pollok Housing Estate.*

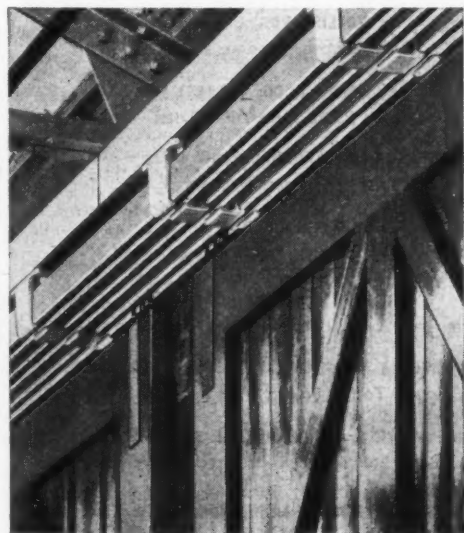
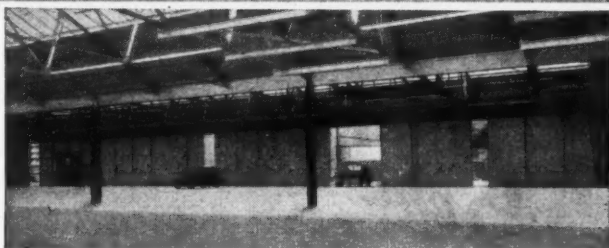


H O U S I N G F O R G L A S G O W



Straight-run Sliding Door Gear

Photographs of a recent job at Mulliners Motor Body Works, Birmingham. Architects: Harry Weedon & Partners. They show: ABOVE, exterior view which gives some idea of the size of the door; RIGHT, interior view which indicates length of the opening and the number of doors involved; BELOW, close-up showing the triple run of track.



This is a typical straight-run installation. Sometimes doors are required to slide round the corner or slide and fold. Every enquiry is carefully studied and our Drawing Office service and trained technical representatives are freely available to ensure that the most suitable gear is chosen at the planning stage. *Catalogue No. 48* contains diagrams, photographs and complete specification data.

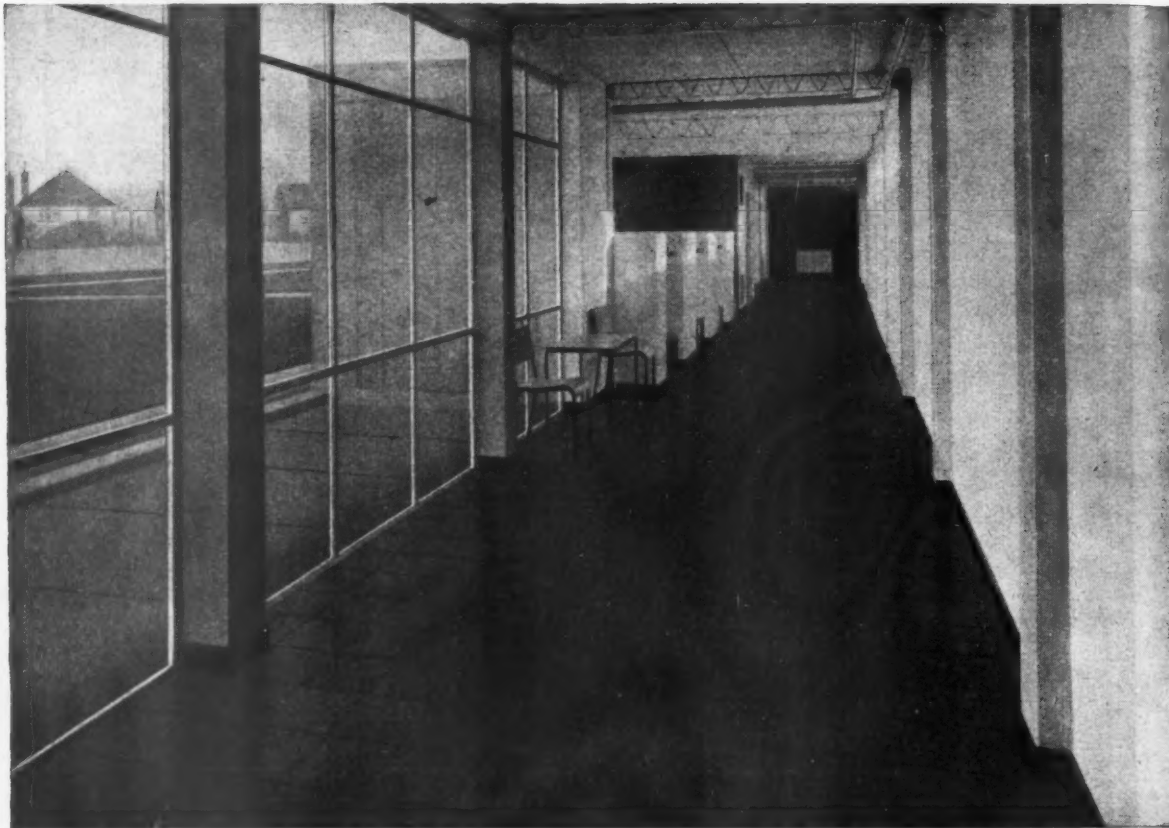
Henderson
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H20



AN INSTALLATION FOR HERTFORDSHIRE C.C.

ARCHITECT: C. H. ASLIN, F.R.I.B.A.

Semastic

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APPROVED CONTRACTORS

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Dansom Lane, Hull

HOLLIS BROS. LTD.,
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HOLLIS BROS. LTD.,
150 Holborn, London, E.C.1

MORSLEY SMITH & CO. (HAYES) LTD.,
Dawley Road, Hayes, Middlesex

PILKINGTON'S ASPHALTE CO. LTD.,
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SEMTEX LTD.,
185, 187, 189 Finchley Road, London, N.W.3

THE ALBA FLOORING CO. LTD.,
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THE LIMMER & TRINIDAD LAKE ASPHALT CO. LTD.,
Steel House, Tothill Street, Westminster, S.W.1

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TECHNICAL SECTION

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

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

4.53 planning: urban and rural VILLAGE PLANNING PALESTINE

Village Development in Palestine during the British Mandate. H. Kendall and K. H. Baruth. (Crown Agents for the Colonies, 1949. 10s. 6d.)

Informative description of village planning within regional developments. Details of work to combat soil erosion. Illustrated by photographs, maps, diagrams and tables.

The improvement of living conditions in the Arab villages of Palestine was the subject of a Government directive and long-term programme issued in 1940. Apart from housing and planning, the aspects mainly dealt with in this book, the programme covered also educational and health facilities including water supply and sanitation, improvements in agricultural methods and afforestation as a means to arrest soil erosion.

After describing the regional planning scheme in force for the Samaria district, together with adopted soil conservation measures and the proposed development plan for that area, the authors concentrate on the planning of one particular village, Salfit, situated in the southern part of the Samaria region. Other chapters are devoted to types of Jewish settlements and to village development north of Tel Aviv.

There are a number of informative appendices with data on the Samaria district outline regional planning scheme of 1946, with detailed village statistics related to population figures, livestock holdings, land use, employment structure, geological formations and extent of soil erosion, and lastly a description of the Tiberias soil conservation scheme.

9.11 design: general MICROCLIMATOLOGY

Recent Advances in the Study of Microclimatology. W. G. V. Balchin. (British Science News, Vol. 2, No. 21, 1949, pp. 271-274.)

Illustrated article surveying and summarizing recent British research concerning microclimatology. Useful bibliography.

The author's references to local climatic variations should be of interest to planners. He draws attention to temperature investigations carried out by mobile survey across London, in Edinburgh, Nottingham and Bath. These surveys clearly show that "as a result of the existence of extensive built-up areas, many roofs and asphalt roads, the artificial production of heat, the reduced role of evaporation as a cooling agent and the effect of pollution, a city area is capable of modifying its climate."

Other research aspects noted include plant microclimatology; the significance of atmospheric pollution as a factor in urban climate; climatological and economic consequences of snow-cover; and the pattern of rainfall distribution.



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Concluding remarks refer to the need for further microclimatological research, particularly in relation to land use and agriculture. The appended bibliography, though selective, is most valuable.

10.61 design: building types OFFICE BUILDING

Two Office Buildings. Wurdemann & Becket, architects. Murray Erick, structural engineer. (Architectural Forum [USA], May, 1949, pp. 83-92.)

Two office buildings in Los Angeles, contrasting in design and architectural character, show many interesting features.

The two office buildings described in this article are the biggest in Southern California, both just over 500,000 sq. ft. including the stores. The Prudential Building is on an 11-acre site, with ample room for ground floor stores, parking space for 1,000 cars and for future extension. It stands on only 17 ft. of good firm soil so that it had to be built without a basement on spread footings. The General Petroleum Building covers almost every available in. of a one-acre site inside the city's earthquake dictated height limitation of 150 ft., except for two light courts and four small corner terraces. In the Petroleum building the floor-to-floor height is only 11 ft. 6 in., in the Prudential 13 ft. 9 in. The Petroleum building was planned for movable partitions on a 7 ft. module so that offices can be created, enlarged or abolished in a matter of hours, without the heavy expense of going into the overall acoustic ceiling to make any change in the lighting or air distribution. Prudential needed no module-and-movable partition system since it was assumed that all floors except the penthouse would be open

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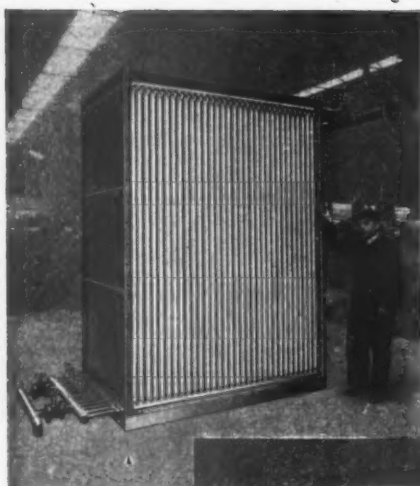
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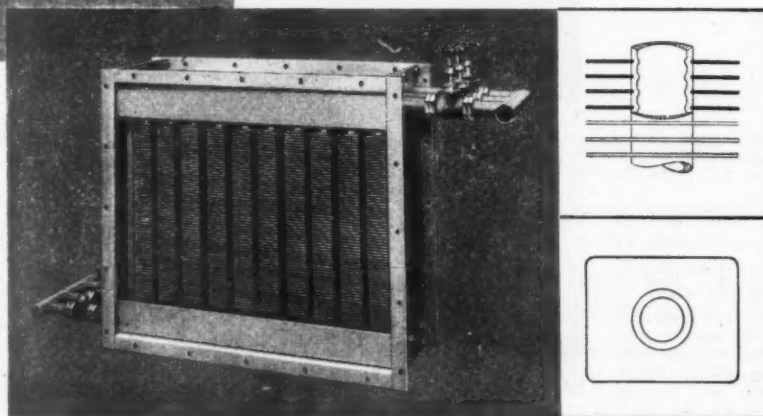
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space for clerical help. It raised its window heights to the maximum to admit as much daylight as possible. At Petroleum the windows were spaced 2 ft. apart to give flexibility to the module; at Prudential, the windows run uninterrupted from column to column.

Both buildings are steel-framed. At Petroleum, the columns could be closely spaced at 21 ft. centres, which was economical for the structure, since all the interior columns were hidden in the fixed corridor walls. At Prudential, with large open areas, a third of the columns were eliminated by spacing them on 25 ft. and 30 ft. centres.

It is claimed that both buildings are the lightest office buildings of their size ever erected. The total deadweight of Petroleum is 25,800 tons, for a design live load of 8,300 tons, or about three to one; that of Prudential to 32,000 tons for a design live load of 14,300 tons, little more than two to one. In each case about 1,000 tons of structural steel was saved by the lightweight construction. In Los Angeles this is particularly important since deadweight is a major factor in seismic stresses. In both buildings, the principal saving was achieved (1) by the use of pumice concrete of a density of about 98 lb./cu. ft. instead of ordinary concrete of a density of approximately 150 lb./cu. ft. and (2) by the use of vermiculite plaster at about 25 lb./ft. as fire protection of steel members instead of ordinary concrete of about 225 lb./ft. The floors in lightweight concrete were more expensive than in ordinary concrete, but the vermiculite wrapping of steel members was less expensive than encasing in concrete would have been.

Air conditioning has been provided in both buildings. At Prudential, deep horizontal sun shades are run the entire length

of the south side windows. In the Petroleum building, which is 130 ft. shorter but four stories taller, vertical aluminium fins, 130 ft. tall, 3½ ft. deep, are arranged between all the windows on the three street exposures.

Whereas Prudential could afford to park its employees' cars on the ground, a garage, six stories high, had to be built for Petroleum. This unusual building consists of a single continuous ramp, 60 ft. wide, winding up and around a rectangular utility core in a square spiral at a 4 per cent. grade. The architects claim that with this system 30 per cent. of cost was saved and 30 per cent. more cars could be accommodated in comparison with a traditional level-floor design.

13.46 materials: timber

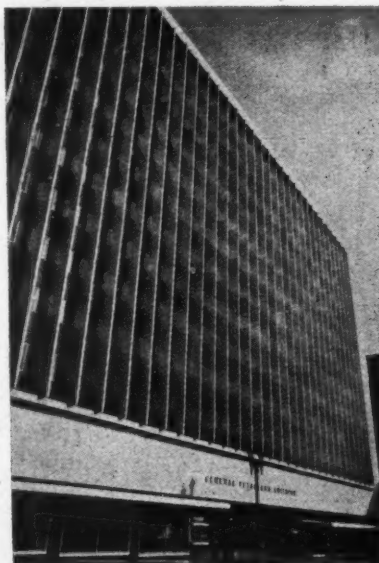
LAMINATED TIMBER STRUCTURES

Recent Developments in the Use of Timber in Buildings No. 2—Glued Laminated Structures. R. T. Walters. (Building Digest, June, 1949, pp. 187-196.)

Excellent article on theory and present practice. Well illustrated with photographs and drawings, mostly of roof beams and trusses in USA and Sweden. Bibliography.

The shortage of timber has delayed development of glued laminated structures in this country, a practice well established in Sweden and USA by 1939. A start has now been made and it is to be hoped the timber position will be improved sufficiently to permit further development. This technique provides the architect with a material having all the natural qualities of timber (though with greater structural strength) which may be manufactured to any desired length, without joints in the accepted sense, and which may be moulded to the required structural shape. The photographs alone illustrate some of its exciting possibilities.

The author explains the theory of lamination, discusses glues and general design considerations. Early development work is mentioned and a number of important jobs described. The two Swedish systems A. B. Fribärande and "H.B." are also illustrated. Contemporary design has already been influenced by this remarkable advance in the use of timber and it is difficult to believe it will not be extensively adopted when the timber position allows.



General Petroleum Building. Los Angeles
See 10.61

13.47 materials: timber DOOR FRAMES

Wood Door Frames and Linings. BS 1567: 1949. (British Standards Institution. 3s.)

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24.119 lighting CEILING LIGHTING

Glare-free Methods Studied by Massachusetts Inst. of Technology. H. L. Beckwith, C. M. F. Peterson and Parry Moon. (Architectural Record [USA], June, 1949, p. 145.)

Indirect lighting and transmitting ceilings, especially for schools. Interesting, but poor guidance. Illustrated.

The authors set out to advocate a particular technique of lighting intended to be glare-free, which they define as lighting with brightness ratios less than 3:1. They say that because the source is the brightest thing the first objective is to reduce its brightness and increase its area, i.e., use the whole ceiling. They recommend a sort of modified indirect lighting in which the downward exposed part of the fitting is only slightly translucent. Alternatively, they like a ceiling with a diffusing plastic material lighted from above. They dislike a louvered ceiling because, they say, there is some reflected glare.

This is advocacy of a policy, not an objective study with stated criteria. If the criteria were stated they would be found unacceptable here, and probably also in America. Lighting is dull and even grim-looking in the photos, and it would not be expected to be otherwise. They seem to know nothing of the possibilities of grading to increase acceptable ratios or of sparkle to give stimulation, to mention only two factors.

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

QUESTIONS AND ANSWERS

3001 THERMAL TRANSMISSION: ASPECT OF WALLS

Q To what extent is the resistance of a wall influenced by its exposure?

A In practice the resistance would vary considerably according to the aspect of an exposure wall. For example, taking a typical wall, with a resistance value of 3.0 (excluding surface resistances), the U values, according to its position and exposure, would be as follows:—

Southern aspect, sheltered and normal	U=0.23
Southern aspect, severe	U=0.24
W., S.W. and S.E., sheltered	U=0.23
W., S.W. and S.E., normal	U=0.24
W., S.W. and S.E., severe	U=0.25
N.W., sheltered	U=0.24
N.W., normal	U=0.25
N.W., severe	U=0.26
N., N.E. and E., sheltered	U=0.24
N., N.E. and E., normal	U=0.25
N., N.E. and E., severe	U=0.27

These values are extracted from the Institution of Heating and Ventilating Engineers' publication *The Computation of Heat Requirements for Buildings*.

The form printed below is to assist readers requiring up-to-date information on building products and services. Complete and post it to The Architects' Journal, 9, 11 and 13, Queen Anne's Gate, S.W.1, and the advertisers listed will be asked to supply information direct.

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Announcements

The Cement Makers' Federation announces that, in agreement with the MOW, the prices of ordinary Portland and Rapid Hardening Portland cements were adjusted on and after September 1, 1949. The overall effect of the adjustments (including a reduction in the charge for paper bags following a decrease in the cost of kraft paper) will be to reduce the consumer's average buying price for cement, including paper bags, throughout Great Britain and Northern Ireland by some 2s. per ton. The alterations will not, however, be uniform throughout, owing to adjustments in certain areas arising from changes in costs and freights. These will have the result of increasing the price in some cases and reducing it in others. In the London area, the adjustments will result in graded prices being charged, as elsewhere in the country, instead of one flat price as hitherto.

Mr. Charles Errington, L.R.I.B.A., previously practising in partnership with Mr. H. A. Wilson, A.R.I.B.A., has taken into partnership Mr. Oswald Gill, A.R.I.B.A., on the retirement from active partnership of Mr. H. A. Wilson. They will continue to practise under the name of Messrs. Charles S. Errington at 46, Grainger Street, Newcastle-upon-Tyne, 1, and Mr. Wilson will still continue to be associated with the practice.

The Austin Motor Co. Ltd. and Crompton Parkinson Ltd. announce that through their joint subsidiary company, Austin Crompton Parkinson Electric Vehicles Ltd., they have acquired control of ITD, Ltd., of "Stacatruc House," 142, Sloane Street, London, S.W.1. Mr. L. P. Lord, chairman and managing director of the Austin Motor Co. Ltd., has been elected chairman. Col. Raymond T. Hartmann will continue as managing director of ITD, Ltd. ITD, Ltd. are the sole world distributors of the

petrol-driven range of British Industrial Fork Lift Trucks and ancillary materials-handling equipment marketed under the trade names "Stacatruc" and "Aerolift." It is the intention of the group immediately to develop and expand the existing range of equipment, both for the home and overseas markets, and to include the manufacture of electric battery-operated "Stacatruks." ACPEV Ltd. is already a manufacturer of electric industrial trucks, sold under the trade name "Electricar," and of electric road vehicles sold under the trade name "Morrison-Electricar," consequently the group will henceforth be able to offer a complete range of industrial trucks and ancillary equipment for practically all materials-handling purposes.

Agreement has been reached by the BOT and the committees appointed by the Federated Home Timber Associations, the Home Timber Merchants' Association of Scotland and the United Kingdom Forestry Committee on the method of carrying out the curtailment of felling in 1949. The interim arrangements, whereby individual merchants were subject to a ceiling figure for sawmill timber based on licences issued to them in previous years, were replaced by the new procedure on August 15, 1949. While there will still be an overall limit to the total volume of sawmill timber to be licensed in England and Wales and in Scotland, all merchants who were engaged in felling and/or sawing home-grown sawmill timber prior to December 31, 1948, will be eligible to receive felling licences without individual limits with certain reservations as to the period of felling. In England and Wales only there will also be a limit to the size of licences and to the total volume to be licensed each quarter. Woodland owners will also be eligible for felling licences as regards timber on their own land. For the time being licensing of felled round timber on form HGR.1. will be continued,

but it is hoped to modify this procedure in the near future.

Buildings Illustrated

Housing for Glasgow: Pollok Housing Scheme by the Director of Housing for Glasgow. (Pages 283-294). — Builderwork, A. M. Cochran & L. M. McKenzie & Partners Ltd.; joinerwork, J. Dow Stuart Ltd., Modern Construction Co. Ltd.; glazier work, James Thow Ltd., McDonald & Hughes, John Wilson & Sons, Wm. Purdon & Son, George G. Kirk, Ltd., City Glass Co. Ltd.; metal windows, Crittall Manf. Co. Ltd., Rowe Bros. & Co. Ltd., Metal Casements Ltd.; fireplaces, Alexander Dunn Ltd., "Welcome" Fireplace Co., James Scotland, Baird, Hughes & Co. Ltd., Geo. T. Scott Ltd.; plumber work, John Crawford & Co., Thomas Watson; slater work, A. C. Whyte & Co.; plaster work, McKellar Ltd.; painter work, Cosmos Decorators Ltd.; electrical work, R. J. Sinclair Ltd., William Laurie; precast concrete floors and roofs, Concrete Ltd., Springbank Quarry Co. Ltd., Price & Co. Ltd., Wilmae Concrete Co. Ltd., Trussed Concrete Steel Co. Ltd.; composition flooring, W. & J. Wilson; asphalts, J. C. Ellison Ltd., D. Anderson & Son Ltd., W. G. Walker Ltd., Neuchatel Asphalte Co. Ltd., F. McNeill & Co. Ltd., Rapid Construction (Contractors) Ltd.; stair railings, R. Smith & Co.; steel balcony fronts, F. Braby & Co. Ltd.; structural steel, F. Braby and P. & R. Fleming. Shops: Tiling, Toffollo Jackson & Co. Ltd.; steelwork, Bladen & Co. Ltd., Donald Clerk & Son Ltd., P. & W. Maclellan; floors and roofs, Concrete Ltd., Conacrete (Scotland) Ltd.

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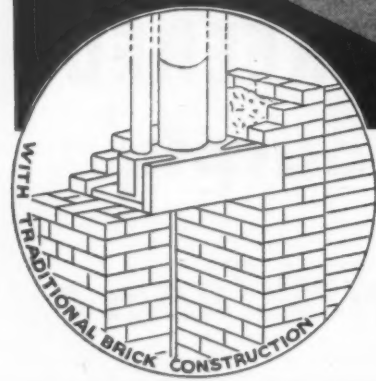
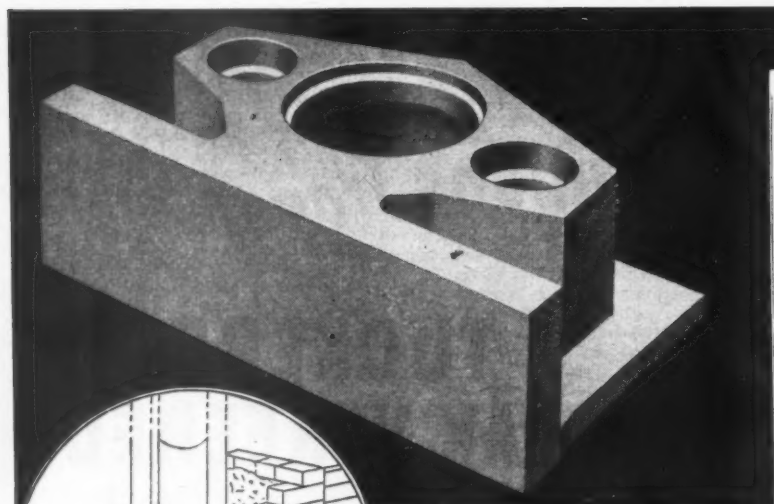
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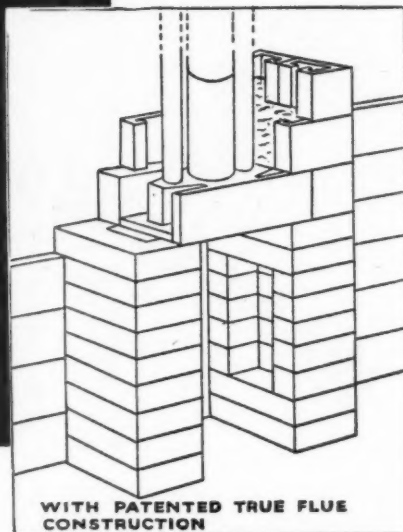


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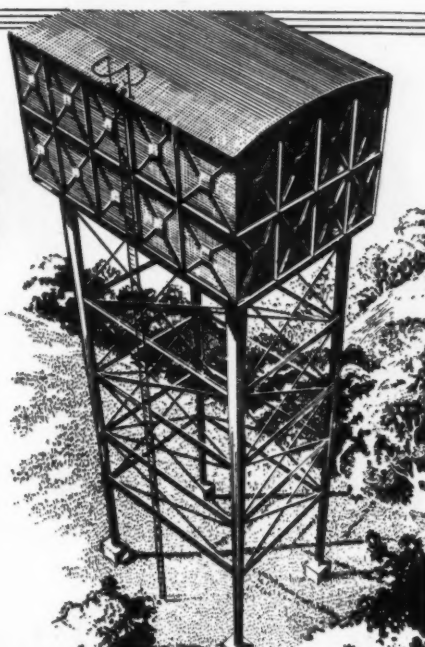
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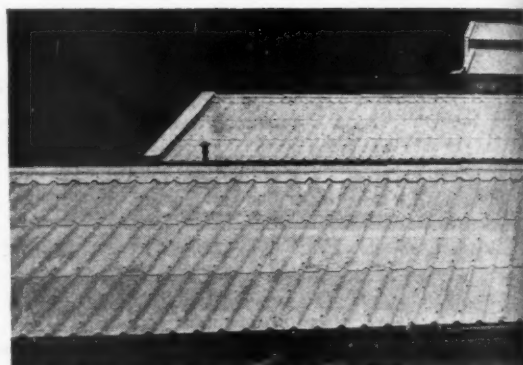
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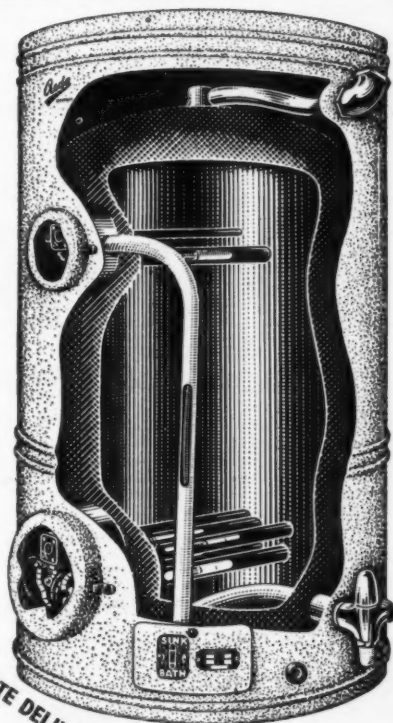
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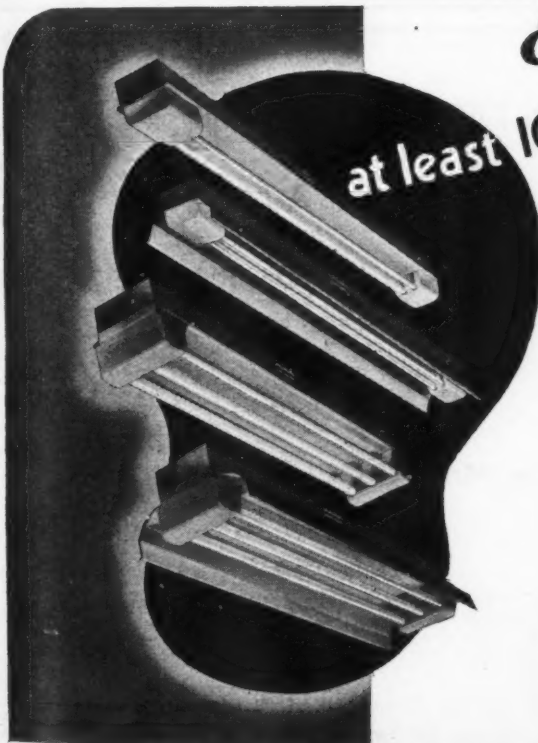
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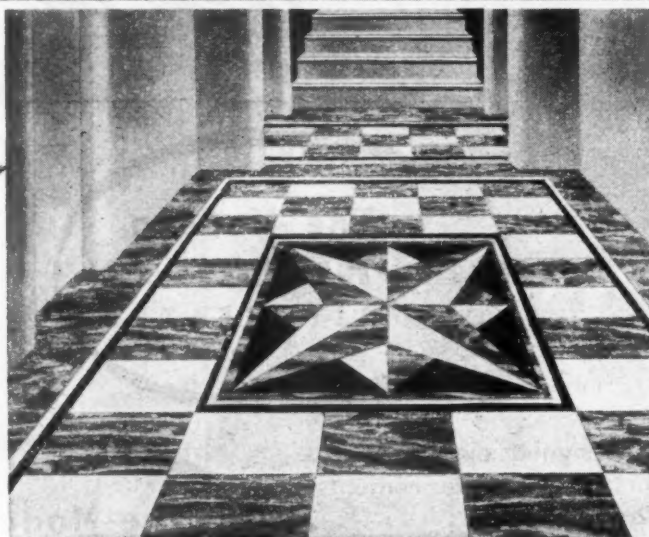
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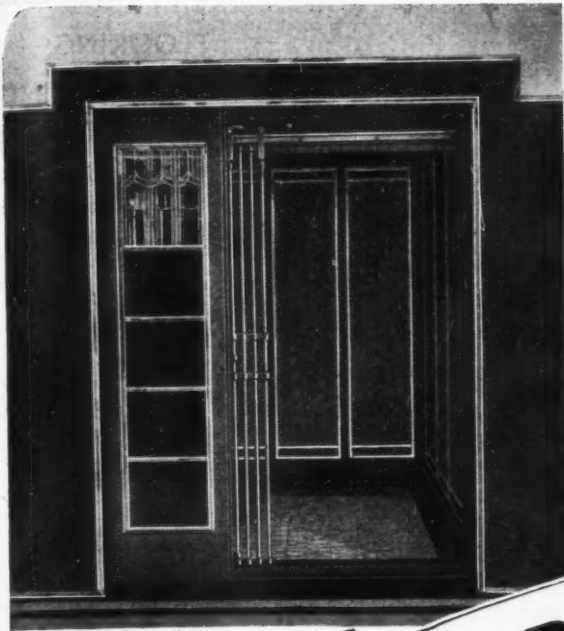
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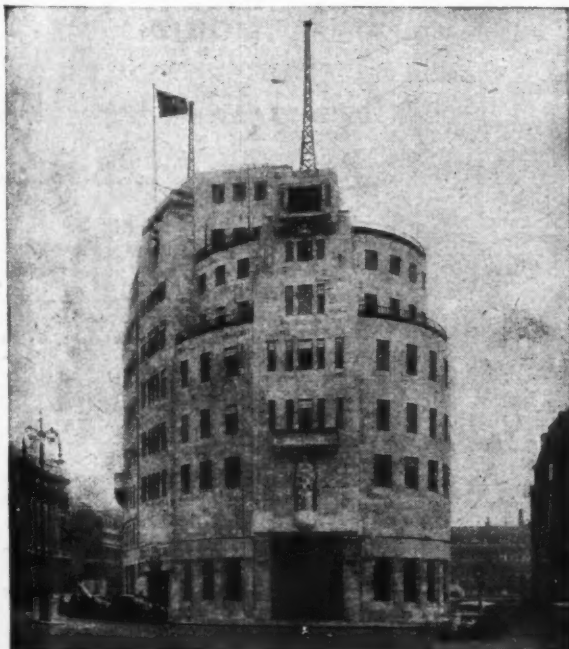
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CLASSIFIED ADVERTISEMENTS

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

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

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

Public and Official Announcements

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

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. ADDRESS: EMPLOYMENT REGISTER, WARREN PARK, WYTHLEAF, Tel.: Uplands 0935, 991

LONDON COUNTY COUNCIL

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

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

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

COUNTY BOROUGH OF HALIFAX.

BOROUGH ENGINEER'S DEPARTMENT.
Applications are invited for the following appointments:—

(1) CHIEF ARCHITECTURAL ASSISTANT (General). Salary in accordance with Scale VII, A.P.T. (£635-£710).

(2) ARCHITECTURAL ASSISTANT (General). Salary in accordance with Scale V, A.P.T. (£520-£570).

(3) ARCHITECTURAL ASSISTANT (Schools). Salary in accordance with Scale V, A.P.T. (£520-£570).

(4) ARCHITECTURAL ASSISTANT (Schools). Salary in accordance with Scale III, A.P.T. (£450-£495).

(5) BUILDING INSPECTOR. Salary in accordance with Scale I, A.P.T. (£390-£435).

(6) CLERK OF WORKS (General). Salary £9 3s. per week.

Candidates should possess appropriate technical qualifications, and will be required to pass a medical examination. The appointments will be subject to the conditions of service adopted by the Corporation and to the Local Government Superannuation Act, 1937.

The Corporation are negotiating for the purchase of property with the object of converting it into flats, which might be made available at a later date to candidates appointed to the Architectural positions.

Applications, stating age, qualifications, present position, salary and experience, accompanied by copies of three recent testimonials, appropriately endorsed, should be delivered to the undersigned not later than Saturday, 17th September, 1949.

RICHARD DE Z. HALL,

Town Clerk.

Town Hall, Halifax.

25th August, 1949.

COUNTY BOROUGH OF CARLISLE.

CITY ENGINEER'S DEPARTMENT.
Applications are invited for the following appointments:—

SCHOOLS SECTION:

(a) CHIEF ASSISTANT ARCHITECT (Grade VIII), £585-£760.

(b) PRINCIPAL ASSISTANT ARCHITECT (Grade VII), £535-£710.

(c) SENIOR ASSISTANT ARCHITECT (Grade VI), £595-£660.

GENERAL SECTION:

(d) CHIEF ASSISTANT ARCHITECT (Grade VIII), £585-£760.

(e) PRINCIPAL ASSISTANT ARCHITECT (Grade VII), £535-£710.

(f) ARCHITECTURAL ASSISTANT, up to Grade V. Salary according to qualifications.

Applicants for appointments (a), (b), (c), (d) and (e) should be Members of the Royal Institute of British Architects, and applicants for (f) should have passed the Intermediate examination of the Royal Institute of British Architects.

An endeavour will be made to provide housing accommodation for the successful applicants if required.

Forms of Application and Conditions of Employment may be obtained from the City Engineer, 15, Fisher Street, Carlisle, to whom applications should be returned not later than Friday, 23rd September, 1949.

H. D. A. ROBERTSON,

Town Clerk.

15, Fisher Street, Carlisle.

2033

COUNTY BOROUGH OF BARROW-IN-FURNESS.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments:—

(a) SENIOR ASSISTANT ARCHITECT (Grade VII), £535-£710 p.a.

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

(c) ASSISTANT ARCHITECT (Grade III), £450-£465 p.a.

(d) BUILDING SURVEYOR (Grade Va), £550-£610 p.a.

Candidates for post (a) must be Associates of the R.I.B.A. For other posts the possession of a recognized professional qualification will be an advantage.

The Council has accepted the principle of providing housing accommodation.

Further details of the posts, conditions of appointment, and forms of application may be obtained from the Borough Engineer and Surveyor, to whom completed applications must be returned not later than Monday, 26th September, 1949.

Canvassing in any form will disqualify.

W. L. ALLEN,

Town Clerk.

2025

THURROCK URBAN DISTRICT COUNCIL.
ENGINEER & SURVEYOR'S DEPARTMENT.

ARCHITECTURAL ASSISTANT (GRADE III).
A vacancy occurs in the Council's Architectural Staff for an Assistant on Grade III of the A.P.T. Division of the National Scale of Salaries, viz., £450-£515-£495 per annum.

General architectural experience is necessary, and previous success in some part or parts of the Examination leading to the qualification A.R.I.B.A. will be an advantage.

The Council may consider housing accommodation if required by the successful candidate residing more than 20 miles from Thurrock Urban District.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and it will be necessary for the selected candidate to pass a medical examination.

Applications, stating age, qualifications, and experience, with copies of not more than three testimonials, endorsed "Architectural Assistant, III," should reach the undersigned not later than 1st post on Tuesday, 27th September, 1949.

Canvassing will disqualify, and applicants must disclose in writing any relationship to any member or senior officer of the Council.

A. E. POOLE,

Clerk of the Council.

Council Offices, Whitehall Lane, Grays.

25th August, 1949.

2024

NORTH-WEST METROPOLITAN REGIONAL HOSPITAL BOARD.

Applications are invited for the following appointments in the Architect's Department. This Department is responsible for the actual preparation and supervision of schemes for building hospitals for acute sick, mental, mentally defective and tuberculous patients, including staff housing schemes, and for extensions and adaptations to existing hospitals and other premises in the Region which covers the whole of Bedfordshire and large areas of Hertfordshire, Middlesex, London, Berkshire and Buckinghamshire.

(i) ASSISTANT ARCHITECTS. Grade A.P.T., VI, £595 to £660 per annum. Seven vacancies. Applicants should be Members of the R.I.B.A. or about to take their Final examination. Good general experience in design and construction is essential. Knowledge of Hospital work is desirable.

(ii) JUNIOR ARCHITECTURAL ASSISTANT. Grade A.P.T., V, £520 to £570 per annum. One vacancy.

Applicants should have passed the Intermediate examination of the R.I.B.A. Good general experience in design and construction, and a knowledge of Hospital work is desirable.

(iii) ASSISTANT QUANTITY SURVEYORS. Grade A.P.T., VI, £595-£660 per annum. Two vacancies.

Applicants should hold an approved qualification of the R.I.C.S., or should be about to take their Final examination. Good general experience in the preparation of specifications for public buildings, ability to make structural surveys and reports, and a good working knowledge of contract procedure are essential. A knowledge of Hospital work is desirable.

(iv) TRAINEE. General Division, £135 at age 16, rising by annual increments to £220 per annum at age 21. One vacancy.

Applicants should possess a School Certificate and should have an aptitude for draughtsmanship and/or a keen interest in building, surveying, etc. The successful applicant will be expected to pursue a course of study leading to the Final qualification of an appropriate institution.

London weighting £10 at age 16, £20 at age 21, and £30 at age 26 is payable in addition to the above salaries.

Appointments, which are subject to conditions of service prescribed by the Ministry of Health for such posts, and to the National Health Service (Superannuation) Regulations, 1947/8, will be terminable by one month's notice.

Applications, giving details of experience, together with names of two referees, should be addressed to the Secretary of the Board, 11a, Portland Place, W.1, not later than 24th September, 1949.

2035

NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.

AYCLIFFE HOSPITAL, HEIGHINGTON, CO. DURHAM.

APPOINTMENT OF CLERK OF WORKS.

Applications are invited for the above appointment in connection with the Board's proposal to erect two villas each for 40 patients at the Aycliffe Hospital, Heighington, near Darlington, Co. Durham, at an estimated cost of approximately £45,000.

Candidates should have had extensive experience either in a similar capacity or in a responsible position in the building industry.

Applicants should have a thorough knowledge of building construction and of all building trades, and be able to measure work against bills of quantities.

The salary will be £10 per week, and the appointment is temporary and will be terminable by one month's notice on either side.

Applications, stating age, qualifications, present and past positions and details of experience, and giving names of two persons to whom reference can be made, must be delivered to the undersigned not later than Wednesday, 21st September, 1949.

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

E. B. JENKINS,

Secretary.

"Dunira," Osborne Road, Newcastle-upon-Tyne.

2nd September, 1949.

2075

DENBIGHSHIRE COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.

The above Council invite applications from suitably qualified persons for the following appointments to the staff of the County Planning Department:—

(a) SENIOR COUNTY PLANNING ASSISTANT (ARCHITECTURAL), for the Headquarters Office at Ruthin, and

(b) SENIOR COUNTY PLANNING ASSISTANT, for the East Area Office at Wrexham.

Consolidated salary for each of the above-mentioned appointments in accordance with A.P.T., Grade V, £520-£570 per annum. Applicants should be Associate Members of the Town Planning Institute, and for appointment (a) should possess a recognized qualification, or have had special experience in architecture.

(c) COUNTY PLANNING ASSISTANT, for the Headquarters Office in Ruthin, and

(d) COUNTY PLANNING ASSISTANT, for the East Area Office in Wrexham.

Consolidated salary for each of the above-mentioned appointments in accordance with A.P.T., Grade III, £450-£495 per annum. Applicants should have passed the Intermediate Examination of the Town Planning Institute.

(e) JUNIOR PLANNING ASSISTANT, for the Headquarters Office at Ruthin. Consolidated salary in accordance with Misc. Div., Grade I, £315-£360 per annum.

(f) SURVEYOR AND DRAUGHTSMAN for the Headquarters Office at Ruthin. Consolidated salary in accordance with A.P.T., Grade II, £420-£465 per annum. Applicants must be competent surveyors and expert draughtsmen. Previous experience in Ordnance survey work is essential.

(g) DRAUGHTSMAN for the Headquarters Office at Ruthin, and

(h) DRAUGHTSMAN for the East Area Office at Wrexham.

Consolidated salary for each of the above-mentioned appointments in accordance with Misc. Div., Grade II, £375-£420 per annum. Applicants must be expert draughtsmen, and colorists, and should be able to undertake the preparation of architectural or perspective drawings.

The appointments will be subject to the terms and conditions of service applying to the administrative, technical and clerical officers of the County Council, and will be terminable at the end of any month by one month's notice in writing on either side. The successful applicants will be required to pass a medical examination, and will be subject to the Local Government Superannuation Act, 1937.

Applicants should indicate the appointment applied for and should state whether they wish to be considered for more than one appointment. Applications, stating age, whether married or single, qualifications, present position and salary, previous positions, and full details of experience obtained, accompanied by copies of not less than two recent testimonials, must be sent to me, the undersigned, suitably endorsed by not later than the 26th September, 1949.

W. J. ROWLANDS,

Acting Clerk of the County Council.
County Offices, Ruthin, Denbighshire.

2074

CITY OF PORTSMOUTH EDUCATION COMMITTEE.

SOUTHERN COLLEGE OF ART, PORTSMOUTH.

Principal: W. J. L. GAYDON, A.R.C.A.

SCHOOL OF ARCHITECTURE.

Applications are invited for a Full-time STUDIO MASTER AND LECTURER, to take up duties as soon as possible.

Applicants must be Associates of the R.I.B.A., and preferably hold a Degree or Diploma of a Recognized School of Architecture. Previous experience in teaching is desirable but not essential.

Salary according to Burnham Scale, plus additional allowance for Special Responsibility.

Applications to:—
The Registrar, College of Art, Guildhall Square, Portsmouth.

E. G. BARNARD, M.A.,
Chief Education Officer.

2059

NORTHERN DIVISIONAL COAL BOARD.
ARCHITECTURAL STAFF.
 Applications are invited for the following permanent and supernumerary posts in the Architects' Department of the Northern Divisional Coal Board covering Northumberland, Durham and Cumberland:—

(1) ONE ARCHITECT, Grade I.
 Salary scale £700×£25—£285.

Applicants should be Associate Members of the R.I.B.A. and have had considerable experience in the preparation of survey, sketch plans, contract drawings, specifications, site supervision, etc. Experience in the design of Welfare and Industrial buildings would be an advantage.

(2) ONE ARCHITECTURAL ASSISTANT, Grade I.
 Salary scale £410×£20—£250.

Applicants should have passed the Intermediate Examination of the R.I.B.A., and have had five years' office experience and be able to prepare sketch plans and working drawings.

(3) ONE ARCHITECTURAL ASSISTANT, Grade II.
 Salary scale £300×£20—£240.

Applicants should have passed or be studying for the Intermediate Examination of the R.I.B.A., and have had office experience and be able to assist in the preparation of sketch plans and working drawings.

(4) TWO CLERKS OF WORKS, Grade I.
 Provisional salary scale £500×£25—£750.

TWO CLERKS OF WORKS, Grade II.
 Provisional salary scale £400×£25—£550.

Clerks of Works will be required for the supervision of pit-head baths and other welfare buildings. Applicants should have a thorough knowledge of the building industry in all its branches, including reinforced concrete and steel construction, heating, ventilating and electrical contracts, and the construction of sewage treatment plants.

(5) ONE QUANTITY SURVEYOR, Grade I.
 Salary scale £700×£25—£875.

Applicants should be experienced in the preparation of bills of quantities for all trades and for engineering work, detailed approximate estimates, settlement of final accounts, make valuations and measurements for interim certificates, prepare specifications, etc., and have had considerable experience in a quantity surveyor's office. Applicants should be Corporate Members of the R.I.C.S. (Quantity Section) and should not be more than 45 years of age.

Starting salaries for the above posts will be determined by qualifications and experience of the successful candidates.

Applications, stating age, qualifications and experience, must be sent within 14 days of publication to:—

The Secretary,
 Northern Divisional Coal Board,
 Collingwood Buildings, Collingwood Street,
 Newcastle-upon-Tyne, 1. 2101

HEMEL HEMPSTEAD DEVELOPMENT CORPORATION.
ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

SENIOR ASSISTANT ARCHITECTS (PLANNING). Salary in the scale £550×£30—£750, according to age and experience. Applicants must be Associates of the R.I.B.A. and preferably Corporate Members of the T.E.I.

They should have a sound knowledge of town planning practice, and the problems involved in new urban development. The appointment will offer considerable scope in the design and layout of Central area, Industrial and neighbourhood development.

The appointments will be subject to the Development Corporation's staff rules and conditions of service, in particular to one month's notice of termination on either side.

Contributory superannuation, with an opportunity of entering or continuing in a Local Government Superannuation Fund, will be provided.

The officers appointed will be expected to find their own accommodation in or near Hemel Hempstead, but temporary subsistence allowances are payable in certain cases.

Applications, giving full particulars of age, qualifications and experience, together with names of two persons to whom reference may be made, and endorsed "Senior Assistant Architect," should be addressed to reach the undersigned not later than 30th September, 1949.

W. O. HART,

General Manager.

Westbrook Hay, Hemel Hempstead, Herts. 2080

COUNTY OF ESSEX.

ILFORD COUNTY COUNCIL FOR EDUCATION.

The Essex County Council invite applications for a SECTIONAL ASSISTANT ARCHITECT in the Office of the Borough Engineer of Ilford.

Applicants should be Members of the Royal Institute of British Architects, and have had considerable experience in the planning, designing, construction and supervision of School buildings and have had administrative experience.

The scale of salary will be in accordance with the National Joint Council, A.P.T. Division, Grade VII, £635×£25 to £710, plus the appropriate London area allowance. There will also be paid such travelling and subsistence allowances as may from time to time be determined by the Council.

Applications should be made on a form to be obtained from, and returned to, the Borough Education Officer, Education Offices, Town Hall, Ilford, together with copies of not more than three recent testimonials, within 14 days of the appearance of this advertisement. 2076

WARWICKSHIRE COUNTY COUNCIL.
ARCHITECT'S DEPARTMENT.

Applications are invited for the under-mentioned appointments on the established staff:—

ASSISTANT ARCHITECT. A.P.T., VI, £595-£660 per annum.

ASSISTANT ARCHITECTS. A.P.T., V, £520-£570 per annum.

ASSISTANT ARCHITECTS. A.P.T., IV, £480-£525 per annum.

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

Application forms can be obtained from C. H. Elkins, F.R.I.B.A., A.R.I.C.S., Shire Hall, Warwick.

L. EDGAR STEPHENS,

Clerk of the Council.

Shire Hall, Warwick. 2099

COUNTY BOROUGH OF DUDLEY.
ARCHITECTS.

Applications are invited for the following posts on the established staff:—

(a) TWO ASSISTANT ARCHITECTS. Grade V, £520-£570.

(b) ONE JUNIOR ARCHITECTURAL ASSISTANT. Grade II, £420-£465.

Applicants for (a) must have a good general experience of design and construction, and must be capable of preparing sketch plans, working drawings and details of schools, housing schemes, and public buildings of contemporary design.

Preference will be given to Members of the Royal Institute of British Architects, or those holding equal qualifications.

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

Applications, stating qualifications and experience, together with the names of three persons to whom reference may be made, are to reach me not later than Tuesday, the 27th September, 1949.

P. D. EADSWORTH,

Town Clerk.

The Council House, Dudley.
 30th August, 1949. 2064

THE UNIVERSITY OF SHEFFIELD.

Applications are invited for posts of LECTURER and ASSISTANT LECTURER in the Department of Architecture, to begin duties as soon as possible.

Salary scales: Lecturer, £550-£1,100; Assistant Lecturer, £450-£500, with superannuation provision under the Federated Superannuation Scheme for Universities, and a family allowance. The commencing salary on either scale will depend upon the qualifications and experience of the successful candidate. Teaching experience is not essential for either post. Further particulars may be obtained from the undersigned, with whom applications (three copies), including the names and addresses of two referees, should be lodged by 8th October, 1949.

A. W. CHAPMAN, Registrar.

2104

LONDON COUNTY COUNCIL.

Hammersmith School of Building and Arts and Crafts, Lime Grove, W.12, required to commence as soon as possible in the Senior Building School:—

(a) A SENIOR ASSISTANT LECTURER, to be responsible to the Head of the Department for the Building and Quantity Surveying section, preparing students for the R.I.C.S. examinations. Applicants should be Corporate Members of the R.I.C.S., with practical experience—some teaching experience desirable.

The salary is that of the Burnham Technical Scale for Senior Assistants, which ranges in London for a man from a minimum of £736-£838, rising by £25 a year to a maximum of £748-£953, according to age, qualifications and experience.

(b) A LECTURER IN BUILDING CONSTRUCTION and Allied Subjects. Applicants should hold A.R.I.B.A. or similar qualifications and have practical experience; some teaching experience desirable.

(c) TWO STUDIO MASTERS in the Architectural section, preparing students for the Inter. and Final examinations of the R.I.B.A. Applicants should hold A.R.I.B.A. and have preferably been trained at a "recognized" school of Architecture.

The salary for posts (b) and (c) is that of the Burnham Technical Scale for Assistants, which ranges in London for a man from a minimum of £336-£593 to a maximum of £603-£708, according to age, qualifications and experience.

In all the appointments reasonable facilities will be afforded for private practice, provided it does not interfere with normal duties.

Application forms (stamped addressed envelope necessary) from the Secretary at the School, returnable by 1st October, 1949.

Please state post for which application is made. (950) 2066

THE LICHFIELD DIOCESAN DILAPIDATIONS BOARD invites applications for the post of SURVEYOR to the Board, to begin duty in the near future.

Salary £900 per annum gross.

Applicants must be duly qualified Architects, and applications, together with particulars of past work, must be sent to the Secretary, Lichfield Diocesan Dilapidations Board, 15, Bird Street, Lichfield, by the 1st November, 1949. 2083

CITY OF LEEDS.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECT. Consolidated salary scale, £595-£710.

(b) ASSISTANT ARCHITECTS. Consolidated salary scale, £595-£660.

(c) ASSISTANT ARCHITECTS. Consolidated salary scale, £480-£525.

(d) ASSISTANT ARCHITECTS. Consolidated salary scale, £450-£525.

(e) ASSISTANT ARCHITECTS. Consolidated salary scale, £450-£495.

(f) JUNIOR ASSISTANT ARCHITECT. Commencing salary according to age, maximum salary £385 p.a. (male) and £308 p.a. (female). Candidates for appointments (a) to (e) must be Registered Architects, and must have a thorough training and experience in architectural design and construction.

(g) HEATING AND VENTILATING ENGINEER. £685-£760.

(h) ASSISTANT HEATING AND VENTILATING ENGINEER. £520-£570.

Candidates must have had a thorough experience in the preparation of schemes and the supervision of large installations.

(i) ASSISTANT QUANTITY SURVEYOR. £635-£710.

Candidates should have had a wide experience of all branches appertaining to the work of a Local Authority and should be suitably qualified.

(k) SENIOR PLAN PRINTER. £375-£420.

Candidates should have had a wide experience of Plan Printing, Plan Filing and Map Mounting.

In each case the payment of salary increments will be subject to satisfactory service, and will be granted normally with effect from the 1st April following the completion of 6 months' service, except in the case of appointment (f) where birthday increments will be payable.

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

Applications, on forms to be obtained from the undersigned, accompanied by copies of not more than three recent testimonials (not returnable) must be received by me in the envelope supplied therefor, not later than 10 a.m. on Friday, the 23rd September, 1949.

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

R. A. H. LIVETT, A.R.I.B.A.,

City Architect.

Priestley House, Quarry Hill, Leeds, 9. 2068

LONDON COUNTY COUNCIL.

Applications are again invited for the position of PRINCIPAL of the London County Council Hammersmith School of Building and Arts and Crafts, Lime Grove, Shepherd's Bush, W.12. The scale of salary is £1,250×£50—£1,450 (Group II, London classification), plus £36 or £48 London allowance and additions for graduate or equivalent qualifications and training.

The School provides full-time, part-time day and evening instruction up to Higher National Diploma and Certificate standard in the building industry and for examinations for membership of professional institutions in a variety of careers, such as Architecture and Surveying. There is a Secondary (Technical) School for boys entering the building trade, and an Arts and Crafts department providing courses for practice and research in all branches of art.

Applicants should have had professional or industrial experience in addition to teaching and organizing experience in a technical college. Ability to maintain close contact with the industry and professional bodies concerned is essential.

Further particulars and application forms (stamped addressed foolscap envelope necessary) from the Education Officer (T.1), County Hall, Westminster Bridge, S.E.1, returnable by 1st October, 1949.

No further application is necessary, when a form has already been submitted in answer to the previous advertisement. (886) 2067

BOROUGH OF ACCRINGTON.

APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Chief Architectural Assistant, in the Borough Engineer's Department, at a salary in accordance with Grade VII of the A.P.T. Division of the National Scales of Salaries (£635 per annum, rising by annual increments of £25 to £710 per annum).

Applicants, who should be Associates of the Royal Institute of British Architects, must be Registered Architects, and must have had experience in the design of housing estates, construction of houses by contract, and construction and alteration of other public buildings.

The appointment will be subject to termination by one month's notice on either side, to the National Joint Council's Scheme of Conditions of Service, and to the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination.

Applications, endorsed "Chief Architectural Assistant," stating age, qualifications and experience, and accompanied by copies of two recent testimonials, should be sent so as to reach me not later than the 21st September, 1949.

JACK GARTSIDE,

Town Clerk.

Town Hall, Accrington.
 6th September, 1949. 2100

MINISTRY OF WORKS.

There are vacancies in the Chief Architect's Division for ARCHITECTURAL ASSISTANTS, with recognized training and fair experience. Successful candidates will be employed in London and elsewhere on a wide variety of Public Buildings, including Atomic Energy and other Research Establishments, Telephone Exchanges, and Housing. Similar vacancies also exist for ASSISTANTS, with specialized knowledge and experience in stonemasonry, particularly in detailing and jointing of ashlar and carved stonework.

Salary: Architectural Assistants, £300-£325 per annum; Leading Architectural Assistants, £500-£625, plus overtime. Starting pay will be assessed according to age, qualifications and experience. These rates are for London; a deduction is made in the Provinces.

Although these are not established posts, some of them have long-term possibilities, and competitions are held periodically to fill established vacancies.

Apply in writing, stating age, nationality, full details of experience and locality preferred, to Chief Architect, W.C.10/T, Ministry of Works, Abell House, London, S.W.1. 2065

BRECONSHIRE COUNTY COUNCIL.

Applications are invited from suitably qualified persons for the following permanent posts in the County Planning Department:—

(a) ONE CHIEF PLANNING ASSISTANT. A.P. & T., Grade VI. Salary £595 per annum, rising by annual increments to £660 per annum.

(b) ONE PLANNING ASSISTANT. A.P. & T., Grade III. Salary £450 per annum, rising to £495 per annum.

(c) ONE PLANNING ASSISTANT. A.P. & T., Grade I. Salary £390 per annum, rising to £435 per annum.

(d) TWO DRAUGHTSMEN. General Division. Salary according to age, rising from £135 at the age of 16 by annual increments to £385 per annum at age of 32 in the case of males, and from £108 per annum by annual increments to £308 per annum at the age of 32 in the case of females.

Applicants for appointment (a) should have passed or obtained exemption from the Final examination of the Town Planning Institute, and should have experience of development control and the preparation of development plans. Preference will be given to applicants who hold a qualification in Architecture.

Applicants for appointment (b) should have experience of survey for planning purposes and the preparation of development plans. They should preferably have passed or be exempt from the intermediate examination of the Town Planning Institute.

Each appointment will be subject to (i) the National Scheme of Conditions of Service, (ii) the provisions of the Local Government Superannuation Act, 1937, (iii) the passing of a satisfactory medical examination, and (iv) one month's written notice on either side.

As far as the appointments under (d) are concerned, the advertisement is inserted with the approval of the Ministry of Labour and National Service under the provisions of the Control of Engagement Order, 1947.

Applications, stating age, qualifications and experience, together with the names and addresses of two References, must reach the undersigned not later than Tuesday, the 4th October, 1949.

Canvassing, directly or indirectly, will definitely disqualify the candidate for the appointment.

No housing accommodation for the successful applicants can be provided by the Council.

C. M. S. WELLS, Clerk of the County Council. 2066

County Hall, Brecon.

BOROUGH OF DAGENHAM.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

The Council invite applications for the following appointments:—

(a) SENIOR ARCHITECTURAL ASSISTANT. Grade V. Salary £520-£570, plus London weighting.

(b) TWO ARCHITECTURAL ASSISTANTS. Grade IV. Salary £480-£525, plus London weighting.

Applicants must be Registered Architects, and preference will be given to those holding the A.R.I.B.A. or similar qualifications.

Forms of application, together with further details of the post, from the Borough Engineer and Surveyor.

Closing date 1st October, 1949.

Canvassing disqualifies.

Housing accommodation may be made available.

KEITH LAUDER, Town Clerk. 2064

Civic Centre, Dagenham.

MIDDLESEX COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

FOUR CHIEF PLANNING ASSISTANTS (A.P.T. VII, £665, rising to £740 p.a. if 26 or over) for Area Planning Office.

Applicants should possess good experience of planning practice, and should be Corporate Members of the Town Planning Institute; preference will be given to those who hold a qualification in architecture, surveying, engineering or economics. Established, pensionable posts, subject to medical examination and prescribed conditions of service. Applications in writing, stating age, experience, qualifications, etc., with copies of three recent testimonials, to the undersigned by 7th October, 1949 (quoting G.37 A.J.). Canvassing disqualifies.

C. W. RADCLIFFE, Clerk of the County Council. 2073

Middlesex Guildhall, Westminster, S.W.1.

NORFOLK EDUCATION COMMITTEE.

APPOINTMENT OF ARCHITECTURAL ASSISTANT, GRADE A.P.T. V.

Applications are invited for the post of Architectural Assistant, at a salary of £520 per annum, rising by two annual increments of £15 and one of £20 to a maximum of £570 per annum.

Applicants should have had good architectural experience; knowledge of school design and construction would be an advantage. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, the successful candidate being required to pass a medical examination.

Form of application may be obtained from the undersigned on receipt of a stamped addressed envelope, and should be returned within 14 days of the date of this advertisement. All communications with regard to this matter should be marked "Architectural Assistant, Grade V."

W. O. BELL, Chief Education Officer.

County Education Office, Stracey Road, Norwich. 2096

SALOP COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments to Established posts in the Department:—

(1) SENIOR ASSISTANT ARCHITECT, to act as a Senior Section Head, on A.P.T., Grades VII-VIII (£635 to £760 per annum).

Applicants must be Registered Architects and Members of the R.I.B.A.

(2) ASSISTANT ARCHITECTS, A.P.T., Grades II-III (£420 to £495 per annum).

The appointments will be subject to one month's notice in writing on either side; to the terms of the National Joint Council's Scheme of Conditions of Service, and to the provisions of the Local Government Superannuation Act, 1937. The successful applicants will be required to pass a medical examination.

Application forms may be obtained from the County Architect, A. G. Chant, F.R.I.B.A., Column House, London Road, Shrewsbury, to whom they must be returned, accompanied by copies of not more than three recent testimonials, not later than Tuesday, 4th October, 1949.

G. C. GODBER, Clerk of the Council.

Shrewsbury. September, 1949. 2078

COUNTY BOROUGH OF WALLASEY.

APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited by the 29th September, 1949, for the following appointment:—

QUANTITY SURVEYOR, Grade A.P.T. VI (£595-£660).

Forms of application and conditions of appointment may be obtained from the Borough Architect, Town Hall, Wallasey.

EMRYS EVANS, Town Clerk. 2069

Tenders for Contracts

CITY OF CARLISLE.

EDUCATION DEPARTMENT.

The Authority proposes to commence building, at an early date, a New Technical College. This will be built in two stages:—

(a) The foundations and building up to ground floor level.

(b) The remainder.

Tenders will be invited for stage (a) immediately.

Firms interested should communicate before the 8th October, 1949, with:

The Architects, Messrs. Buckland and Haywood, Norwich Union Chambers, Congreve Street, Birmingham, 3.

who will supply quantities, drawings, and any other information.

H. D. A. ROBERTSON, Town Clerk. 2097

15, Fisher Street, Carlisle.

Partnership and Financial

ARCHITECT, at present practising in London, seeks Partnership in active practice in S.W. England or West Midlands; age 42; experienced (including factories, domestic and gothic work); keen; capital available. Box 2081.

STRUCTURAL ENGINEER, with own practice of long standing, desires Partnership with firm of Architects or Surveyors; also advertiser would be keen to collaborate with Architects for submitting designs to public competitions. Box 2082.

Competitions

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

UNIVERSITY OF NOTTINGHAM.

ARCHITECTURAL COMPETITION FOR A HALL OF RESIDENCE.

The Council of the University of Nottingham invite Architects practising in the United Kingdom to submit designs in competition for a proposed Hall of Residence for 150 women students, to be situated on the Lenton Fields Estate, adjoining Beeston Lane, Nottingham, and for the layout of that Estate. On the nomination of the Royal Institute of British Architects, the Council of the University have appointed Sir

Percy Thomas, P.P.R.I.B.A., of Cardiff, to act as Assessor. Premiums of £1,000, £750 and £500 will be paid to the authors of the designs placed 1st, 2nd and 3rd respectively.

A schedule of Conditions and particulars of the site may be obtained on application to the Registrar, the University, Nottingham, on payment of a deposit of two guineas, which will be refunded on receipt of a bona fide design or upon return of the Competition documents.

The closing date for applications for Conditions will be Tuesday, 1st November, 1949.

The closing date for the Competition will be Saturday, 11th March, 1950. 2042

Architectural Appointments Vacant

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

ARCHITECTURAL ASSISTANTS required immediately for interesting and varied work on Schools, Hospitals, University Buildings, Housing, etc.; salary dependent on experience and qualifications. Apply personally by telephone or in writing. Pite Son & Fairweather, Chartered Architects, 6, Queen Anne's Gate, Westminster, S.W.1. Whitehall 5576. 1862

TWO Qualified ARCHITECTURAL ASSISTANTS required with experience of design and working drawings, in private office, London West Central area; salaries £500 and £700. Apply, giving particulars of experience, to Box 1936.

ARCHITECT'S ASSISTANT of Intermediate Standard or higher, required for Architect's Dept. of a Multiple Firm with offices in Birmingham. Applicants should have a sound knowledge of Construction and Surveying and should be able to produce Working Drawings details under supervision. Salary in accordance with experience and qualifications, etc. Apply in first instance to Box 1948, enclosing copies of recent testimonials.

SENIOR ARCHITECTURAL ASSISTANT required for appointment to staff of Development and Research Department. Applicants must hold Associateship of R.I.B.A. and be interested and experienced in industrial construction. Applications in writing, stating age, experience and salary required, to Chief Staff Architect, Ilford Limited, Romford, Essex. 1980

SENIOR ASSISTANT ARCHITECT, A.R.I.B.A. standard, required in busy London office; able to take complete charge of jobs from first stage; also Junior Assistant up to intermediate standard. Write, with particulars of experience, age, qualifications and salary required, to E. Bates and Wm. G. Sinning, 85, Chancery Lane, W.C.2. 2009

ARCHITECTURAL ASSISTANT required immediately by Gollins, Melvin & Partners, A.R.I.B.A., capable working drawings; salary £500-£650, according to experience. Telephone Museum 0883 for appointment. 2053

ARCHITECTURAL ASSISTANT (SENIOR) required immediately in modern architects' practice; interesting town and country work. Apply, giving full details and salary required, to McDonald & Brown, Chartered Architects, 1, Unity Street, Bristol. 1. Telephone: 22374/5. 2060

BOOTS PURE DRUG CO., LTD., Nottingham, have vacancies on their Architectural Staff for TWO DRAUGHTSMEN; salary £350-£500, according to experience and qualifications; successful applicants will be required to pass a medical examination, and will be entitled to join the Superannuation Scheme; five-day working week. Applications, stating age, particulars of training, experience, and qualifications, should be addressed to the undersigned, and should be received not later than 23rd September, 1949.

Chief Architect, Boots Pure Drug Co., Ltd., Station Street, Nottingham. 2061

APPLICATIONS are invited for TWO ASSISTANT ARCHITECTS, on the Architectural Staff of a large industrial firm in the Midlands; salary £500-£650, according to qualifications; preference will be given to applicants who are Associates of the R.I.B.A. or hold other equivalent qualifications; successful applicants will be required to pass a medical examination and will be entitled to join the Superannuation Scheme; five-day working week. Applications, stating age, full particulars of training, experience, and qualifications, should be addressed to Chief Architect, Box 739, Smiths', 100, Fleet Street, London, E.C.4. Final date for receipt of applications, 23rd September, 1949. 2062

ARCHITECTURAL ASSISTANTS required; R.I.B.A. Intermediate or Final Standard; good draughtsmen; some office experience preferred. Apply, stating age, experience, and salary required, to Farmer & Dark, Chartered Architects, Terminal House, Grosvenor Gardens, London, S.W.1. 2064

SENIOR ASSISTANT required for general practice in busy office; no housing; permanency to suitable applicant. Particulars to Healing & Overbury, Chartered Architects, Cheltenham. 2072

ARCHITECTURAL ASSISTANT wanted for Midlands office; accurate draughtsmen, with experience in industrial buildings; good prospects. Reply with full particulars, salary required, etc., to Box 2085.

WANTED, for Railway Civil Engineer's Office, in Glasgow, temporary ARCHITECTURAL ASSISTANT; capable of preparing working drawings from rough sketches, estimating and supervising works in progress; salary according to qualifications and experience. Box 2070.

FLAT (6-roomed), with small garden, available for **SENIOR ASSISTANT**, qualified or experienced, in small busy provincial office; housing, farm buildings, etc.; salary £240-£255. Write giving details to Edwards & Webster, 32, Market Place, Chippenham, Wilts. 2097

ARCHITECT'S ASSISTANT required in busy general practice. Full particulars and salary required to Lea, Milner, Doe and Wardley, 4, Market Hill, Huntingdon. 2088

ASSISTANTS required in Bank's Architect's Office in London; must be neat draughtsmen, with good knowledge of construction, capable of surveying buildings and preparing detail drawings and sketch plans; prospect of permanency for suitable applicants. Write, stating age and experience, Box 2090.

SENIOR and Intermediate Grades ASSISTANTS required for large London Office; opportunity for wide experience in commercial and industrial work; able to drive car an advantage; salary £400 to £700 per annum, according to experience and ability. Ley, Colbeck & Partners, F.F.R.I.B.A., F.R.I.C.S., Palmerston House, 51, Bishopsgate, London, E.C.2. 2091

ARCHITECTS—ONE SENIOR and ONE JUNIOR ARCHITECTURAL ASSISTANT required in the Drawing Office of Building and Engineering Contractors in N.W. London; applicants for senior position should be Associates of the R.I.B.A. and experienced in design and planning of Industrial Buildings and Housing. Write, giving full particulars, including salary required, to Box 2092.

ARCHITECT requires **JUNIOR ASSISTANT** for general practice; salary in accordance with experience. Write in first instance, giving details, J. Roland Sidwell, A.R.I.B.A., 27, Union Street, Coventry. 2095

AN old-established Firm of City Quantity Surveyors have a vacancy for a **SENIOR SUPERVISING ASSISTANT**, with full knowledge of all branches of quantity surveying and extensive administrative experience; commencing salary £1,500 p.a., increasing by annual increments of £100 to £1,500 p.a., plus overtime, 5-day week; 3 weeks' summer holiday. Box 2098.

REQUIRED, by West End firm of Architect, SENIOR ASSISTANT; conversant with London Building Act requirements in connection with Office buildings; also Decorative work; salary range £700-£900, according to experience. Also **JUNIOR ASSISTANT**, up to Intermediate standard; salary according to ability. Box 2103.

ASSISTANT required, with industrial and domestic experience. Reply, stating particulars and salary required, to E. William Palmer & Partners, 3, The Town, Enfield, Middx. 2102

Architectural Appointments Wanted

B. ARCH, A.R.I.B.A., age 31, experienced, and used to taking responsibility, now convalescing after year's illness, wants to recommence work with part-time position, preferably working at home, about 20-25 hours per week. London area. Box 354.

ASSISTANT, Part I R.I.B.A. Final Examination, with 8 years' general office experience, requires position with firm of Architects; Derby or Nottingham area; present salary £500. Box 367.

A. R.I.B.A., A.M.T.P.I., age 29, school trained architectural and town planning experience, seeks post with firm of integrity engaged on modern work, on or near Sussex coast; present salary £570. Box 369.

ASSISTANT, over 20 years' experience, available for temporary engagements and freelance work; own transport. Harman, 9, St. Bernards Road, Slough. Tel.: 20584. 370

ARCHITECT of considerable experience offers services as **SENIOR ASSISTANT**; building, surveys; accurate draughtsmanship; contemporary designs; specifications and works supervision; Northern or Midland counties preferred. Box 368.

CAPABLE and efficient SENIOR ASSISTANT, disengaged; 27 years' comprehensive experience; capable of carrying out any job from sketch plans to opening ceremony; salary £750. Box 371.

ARCHITECTURAL ASSISTANT, 20 years' practical experience on industrial and domestic work, seeks position in London; being complete in charge of jobs; capable of preparing all working and detail drawing, supervision of big contracts; salary about £650. Box 372.

Other Appointments Vacant

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

ARCHITECTURAL Journal requires **EDITORIAL ASSISTANT**; knowledge of architecture essential; some journalistic experience and knowledge of magazine production useful. Box 346.

REINFORCED Concrete Engineer required for London Drawing Office. The work will consist chiefly of designing reinforced concrete floors and roofs. The position is a permanent one and there is a staff superannuation scheme. Write, stating age, experience, salary required, to Box A.J. 467, at 191, Gresham House, E.C.2. 1996

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Head of Department of Architecture: T. E. SCOTT, F.R.I.B.A.

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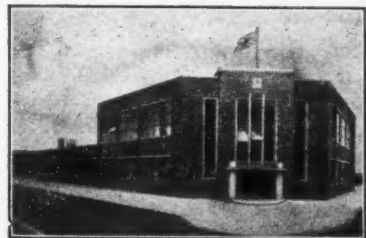
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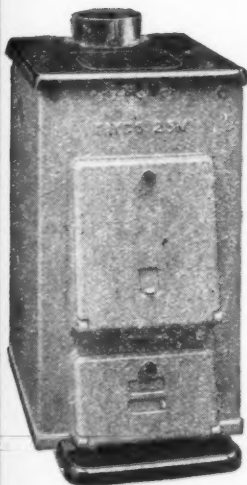
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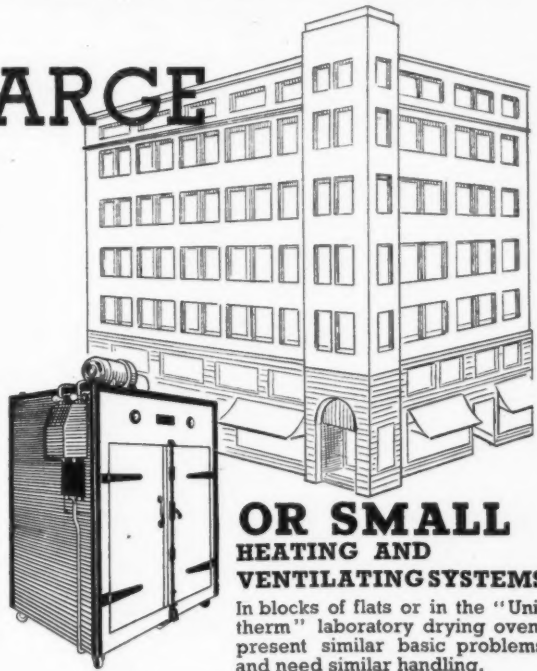
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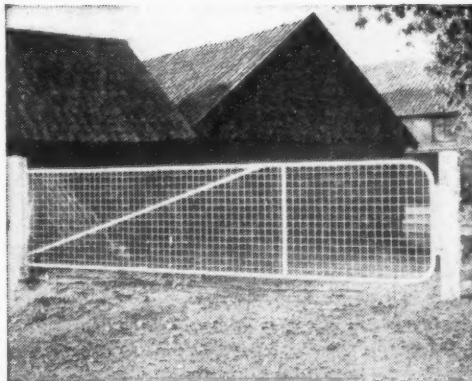
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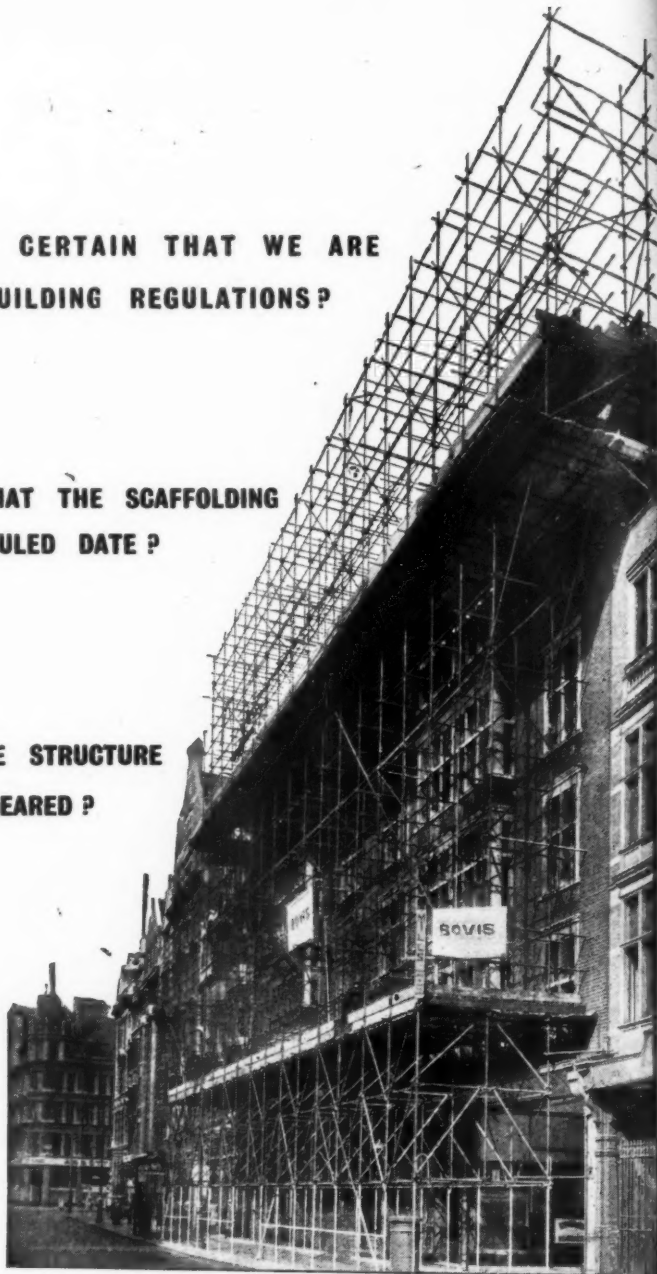
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