

THE ARCHITECTS' JOURNAL

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

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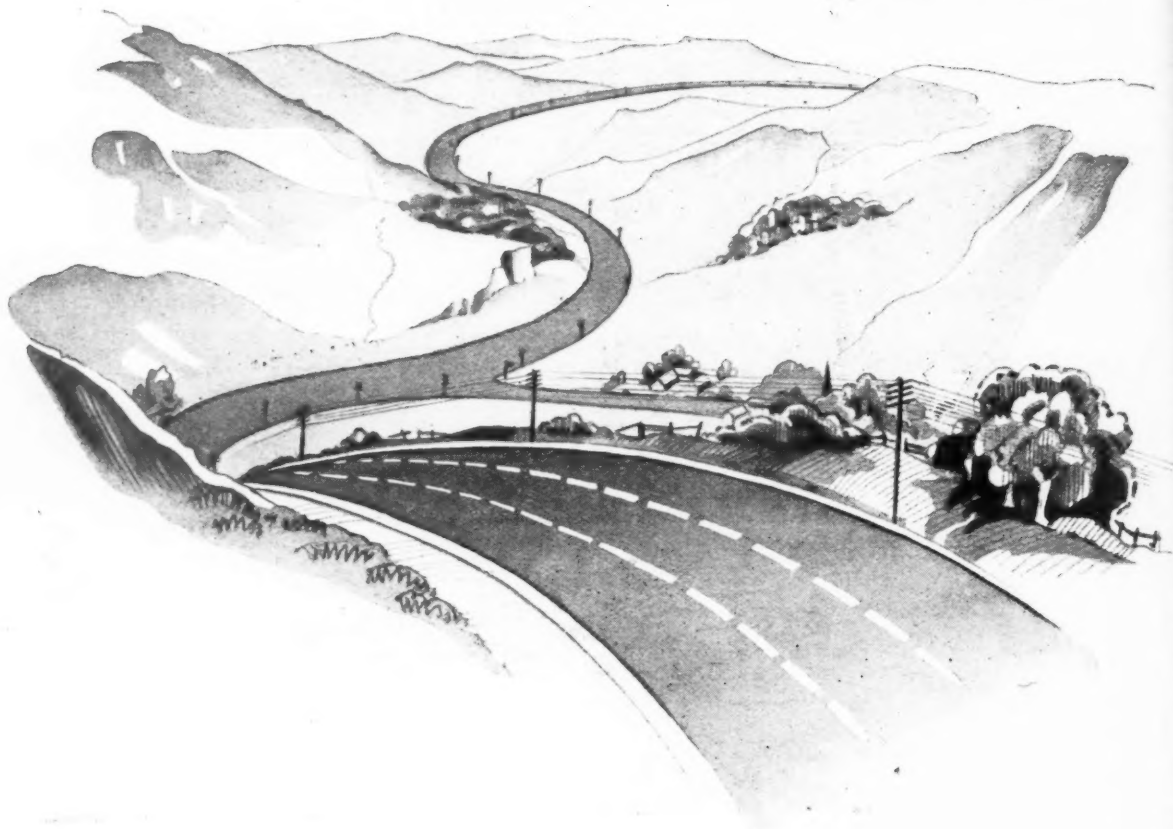
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★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers, is given below. In all cases where the town is not mentioned the word LONDON is implicit in the address.

AA	Architectural Association. 34/6, Bedford Square, W.C.1.	Museum 0974
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 9, Belgrave Square, S.W.1.	Sloane 0421
ADA	The Aluminium Development Association, 67, Brook Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
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
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 2128
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 25, Victoria Street, S.W.1.	Abbey 5422-3
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
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	British Steelwork Association. Egginton House, Buckingham Gate, S.W.1.	Victoria 7301-2-3
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association, Kendals Hall, Radlett, Herts.	Radlett 5616
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W. Sloane 4280	
CSI	Chartered Surveyors' Institution. 12, Great George Street, S.W.1.	Whitehall 5322
DIA	Design and Industries Association. 9, Conduit Street, W.1.	Mayfair 0477
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FMB	Federation of Master Builders. 23, Compton Terrace, Upper Street, N.1.	Canonbury 2041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 4, Hobart Place, S.W.1.	Sloane 2844
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 3158
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577
IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3767
MARS	MARS Group (English Branch of CIAM). 46, Sheffield Terrace, W.8.	Park 7678
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Whitehall 3400
MOE	Ministry of Education. Belgrave Square, S.W.1.	Sloane 4522
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service. St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Abbey 7711
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Whitehall 8411
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 1010
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 8161
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives. 9, Rugby Chambers, Rugby Street, W.C.1.	Holborn 2770
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
RCA	Reinforced Concrete Association. 91, Petty France, S.W.1.	Whitehall 9936
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Chancery 5313
SAC	Scientific Advisory Committee, Ministry of Works, Lambeth Bridge House, Albert Embankment, S.E.1.	Reliance 7611, Extension 1450
SIA	Society of Industrial Artists. 20, Wellfield Avenue, N.10.	Tudor 7027
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6147
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815



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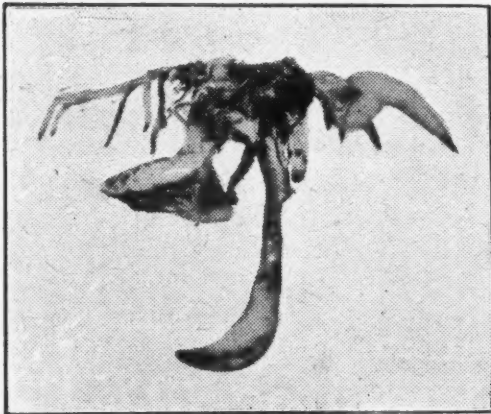
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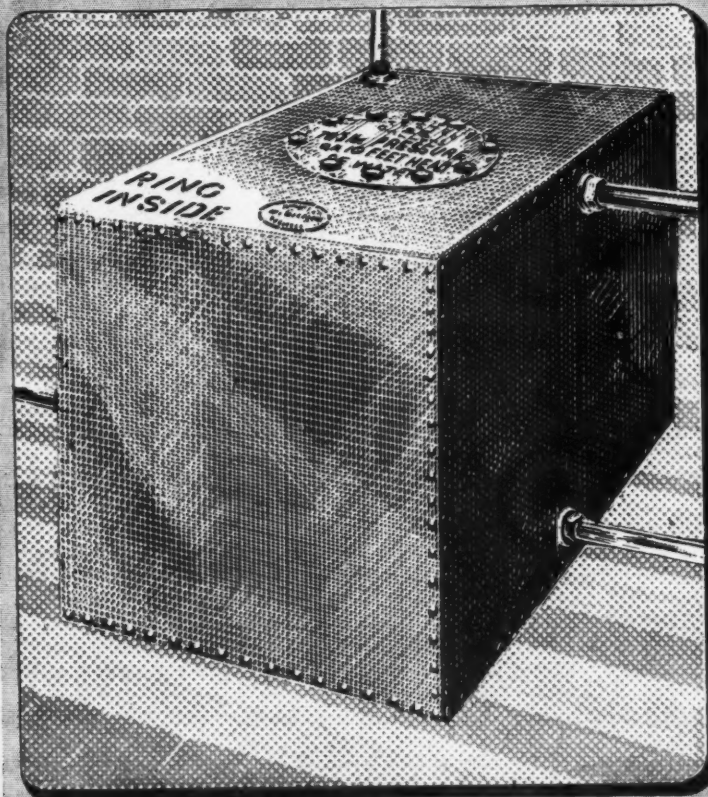
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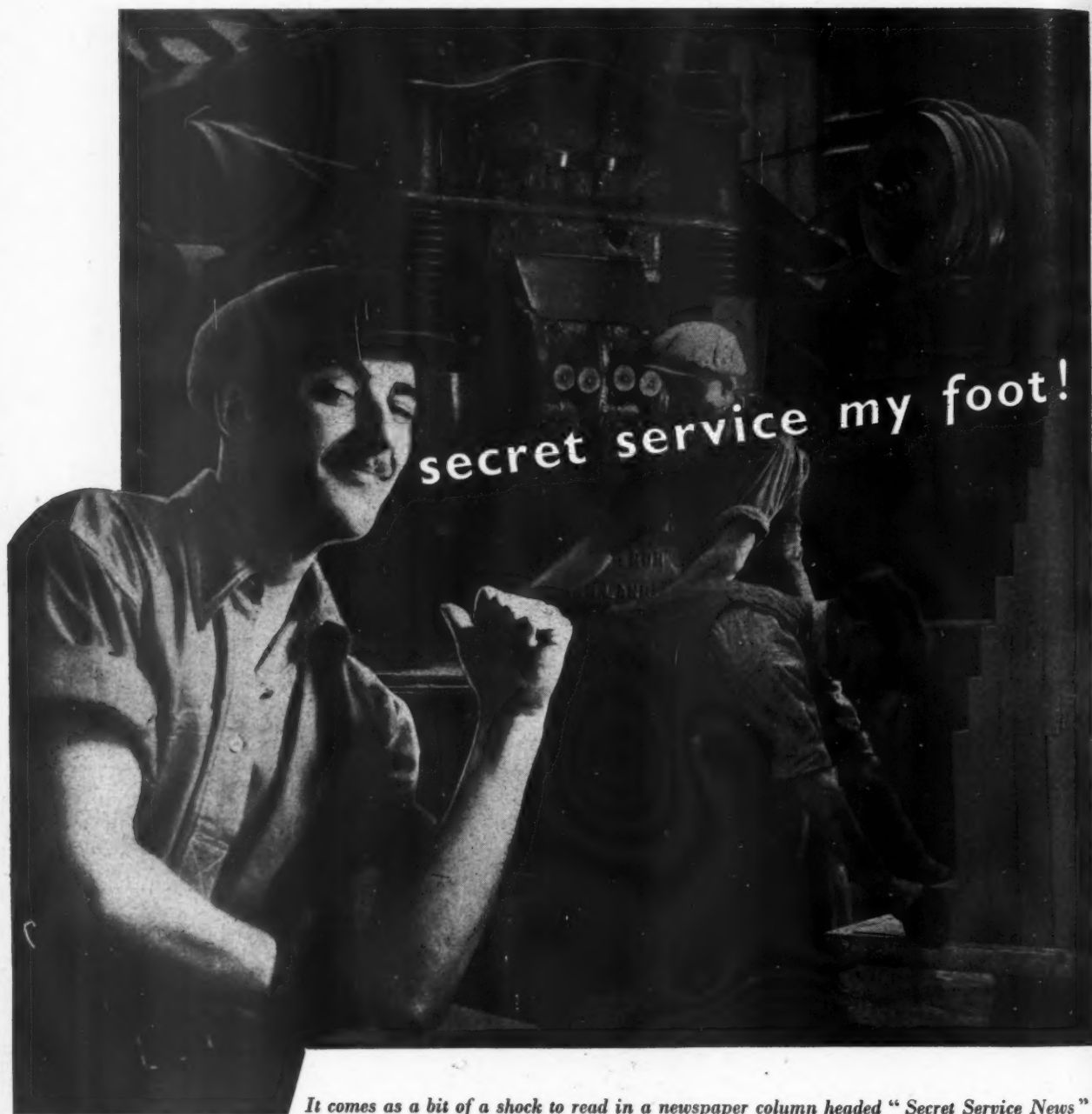
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It comes as a bit of a shock to read in a newspaper column headed "Secret Service News" that one of our allies has developed a process for making bricks from clinker and cement and that this idea may assist our own reconstruction programmes. Sutcliffe Speakman make no secret of the fact that their Emperor Presses have been making similar bricks for a long time now. In fact, people who want to know more about making bricks from waste materials should put their secret service agents on our track.

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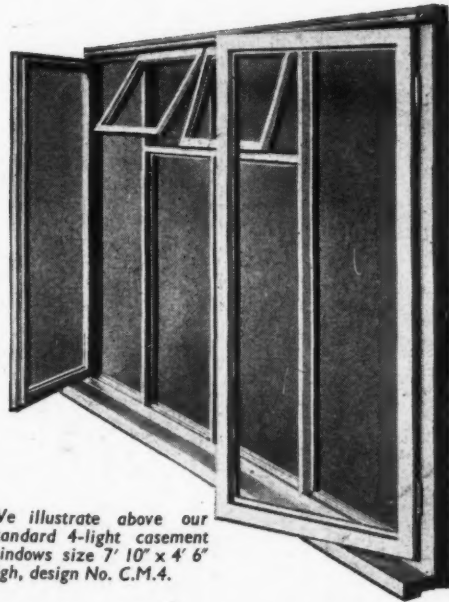
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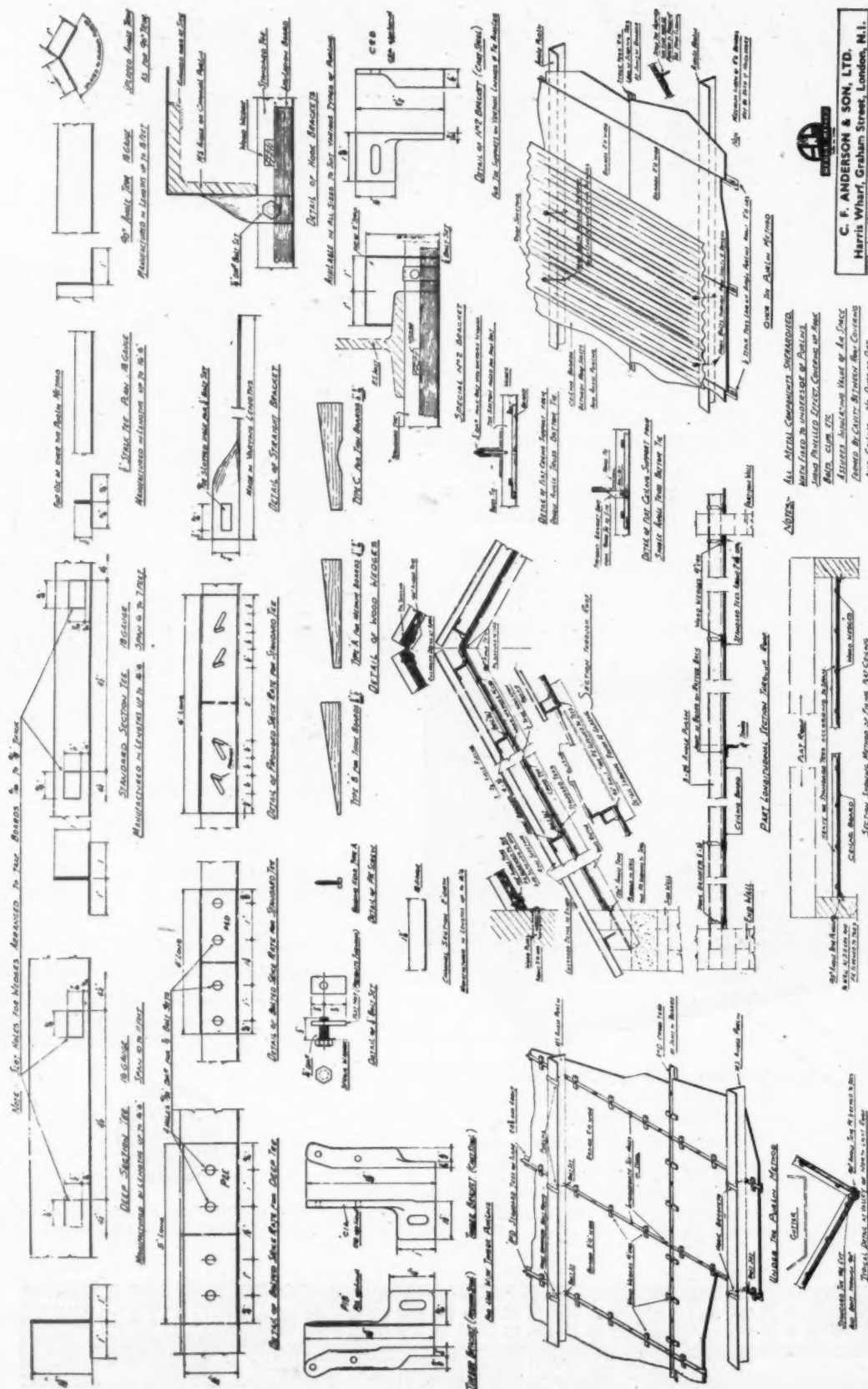
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TAS/AN 5

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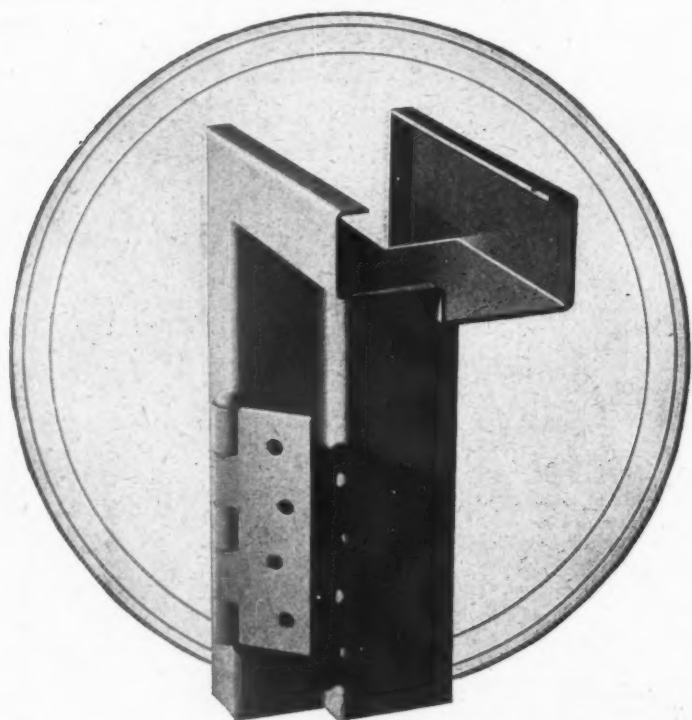


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POTTERY THROUGH THE AGES · NO. 3



EGYPT HAD THE POTTER'S WHEEL

Ancient Egypt was another cradle of western civilisation. The periodical inundations of the Nile left behind deposits of clay and silt of which, at a very early date, advantage was taken for pottery-making. Long before Europe had evolved beyond the neolithic stage of culture, Egypt was an active centre of ceramic art, the influence of which later radiated to Greece and other countries.

The refinement of shape and finish of some of the smoothly burnished red and black pottery made by hand 6,000 years ago shows that even then the craft had a long history behind it. By 3,500 B.C.—or earlier according to some authorities—the Egyptians had learned the use of glazes. After firing,

this was unquestionably the most important development in the early history of ceramics. By glazing, pottery could be made water-tight and easily cleaned, greatly increasing its usefulness for storing liquids and foodstuffs.

Some of the turquoise blue and green glazed Egyptian ware, found in tombs, is of surpassing beauty. A wealth of different objects were produced—statuettes of gods and goddesses, sacred emblems of animals and scarabs, charms, gaming pieces and even children's toys. Fragments of glazed ware were used with great effectiveness for inlaying the decorations on mummy cases. Brilliantly coloured tiles adorned the walls of

palaces, such as those of Rameses II and Rameses III at Tell-el-Yahudiyeh.

That the Egyptians used the potter's wheel for making circular shapes is apparent not only from the pottery itself but is confirmed by the wall-paintings at Beni-Hasan, on which our illustration is based. These early wheels were propelled by hand. When foot-propelled wheels were first introduced is not known, but it was not until last century that the first power-driven wheel was perfected by Henry Doulton. Today, this traditional method of shaping ware is still practised, especially for making individual pieces of decorative pottery and special shapes in electrical porcelain and chemical ware.



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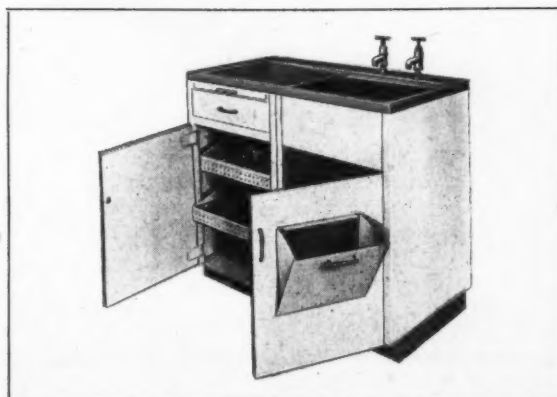
The sink illustrated is one of a complete range of kitchen units made by Charlesworth. Of all-metal construction they are beautifully finished in cream and green enamel, sink tops are of stainless steel, vitreous enamel or aluminium, and such features as concealed hinges and quietly closing doors are characteristic of the careful planning. Send for list illustrating the complete range.

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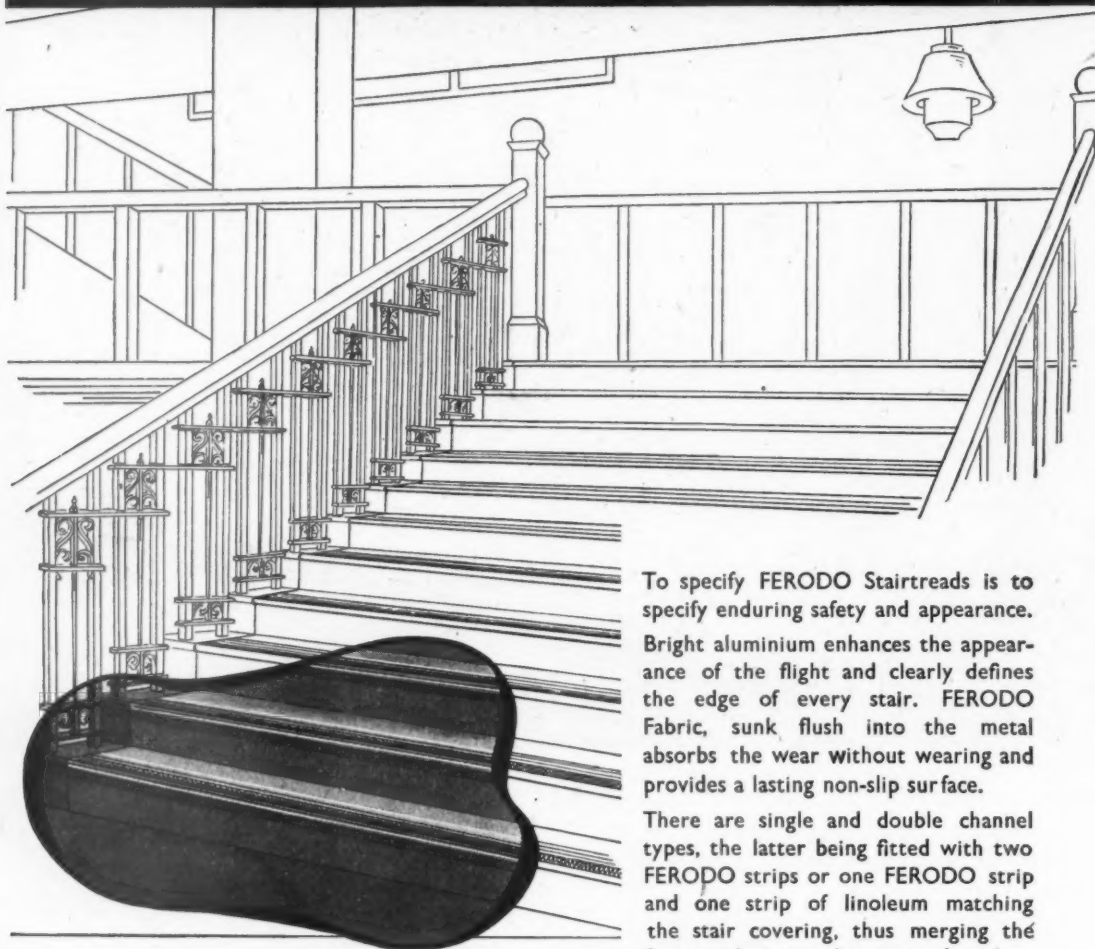
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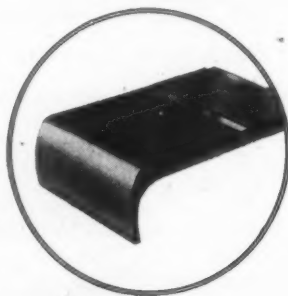
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This Present Age . . . 7

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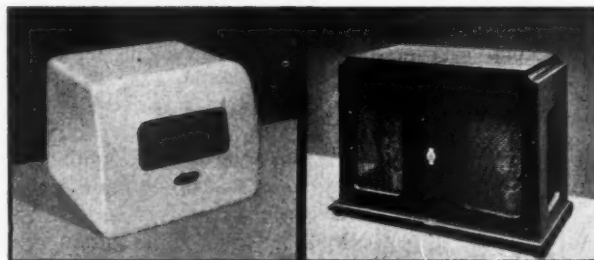
51

'CLEAR
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The ancient custom of presenting the Judge at Assizes with a sweet-smelling posy was originally intended as some slight protection against the foul atmosphere of the courts in earlier times. Although the atmosphere in public buildings can still become 'thick,' science has progressed to better methods of dealing with the problem. The Ozono unit for maintaining clean fresh air in public rooms destroys the unpleasantness instead of merely masking it. The causes of foul, fuggy or vitiated air are swiftly destroyed by the pure active ozone liberated by the generator for a negligible expenditure of electricity.

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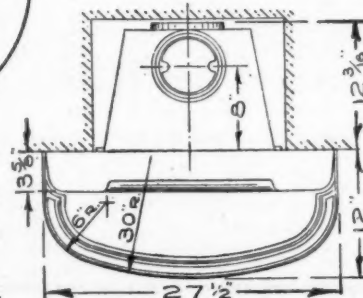
This latest ESSE Stove, open and closed fire, burning any type of solid fuel, designed to reduce smoke emission when bituminous coal is used, is specially suitable for mass housing projects. Exterior finish is mottled porcelain enamel. Fitted with tight-fitting sideways sliding, fire-doors (obviating ugly appearance of inner side of fire-doors when open), the ESSE-Q is of clean, functional design, self-setting,

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Width : Min. 18", Max. 24"

Depth : 12 1/2"

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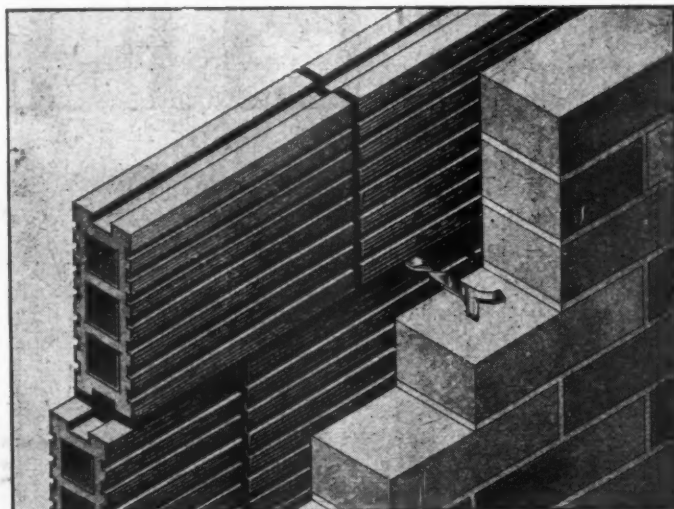
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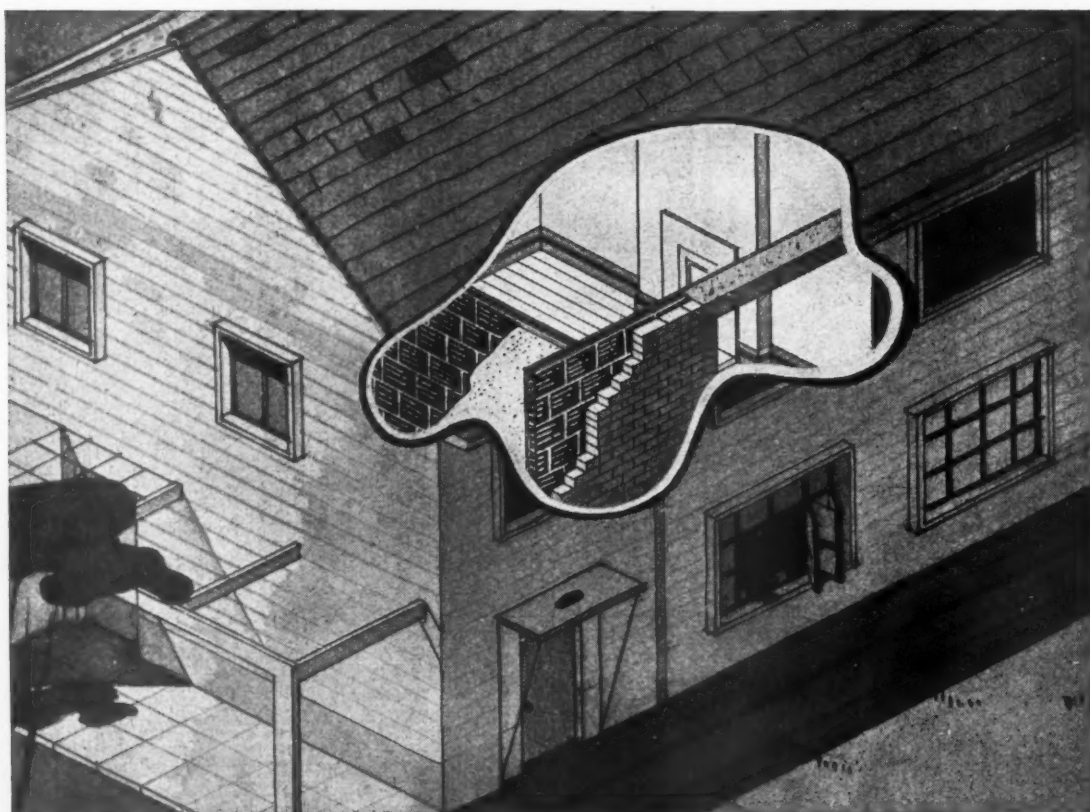
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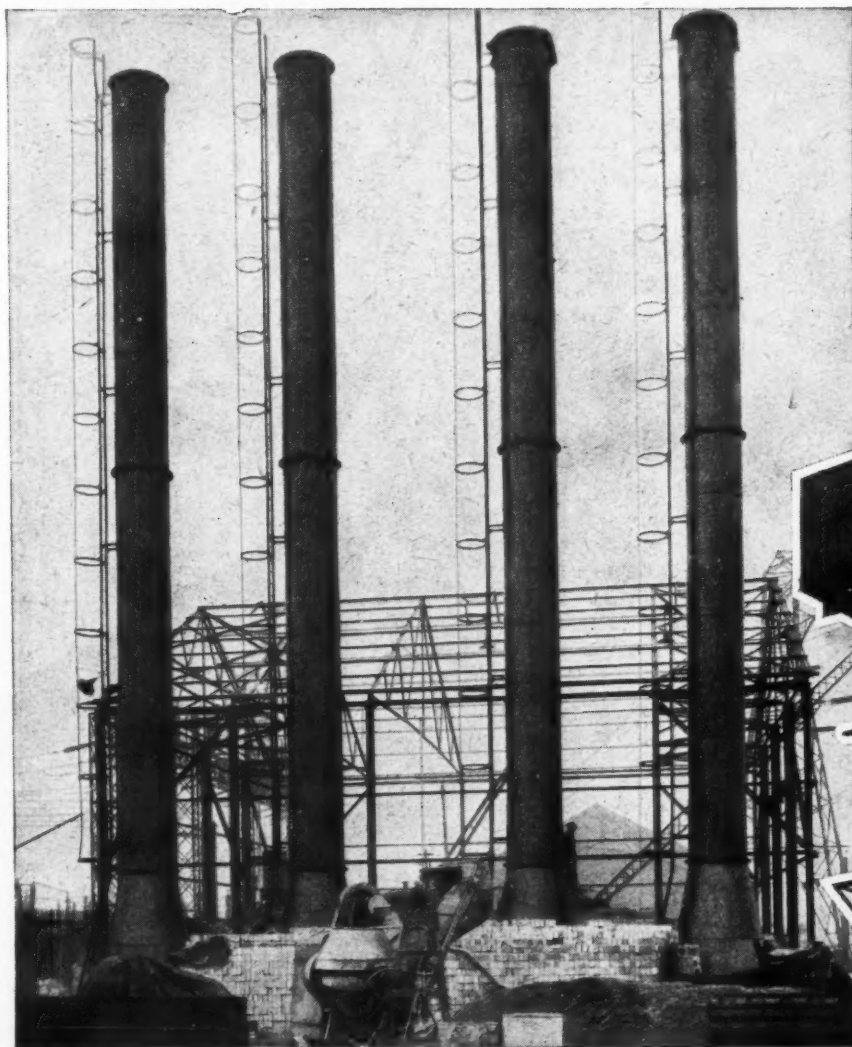
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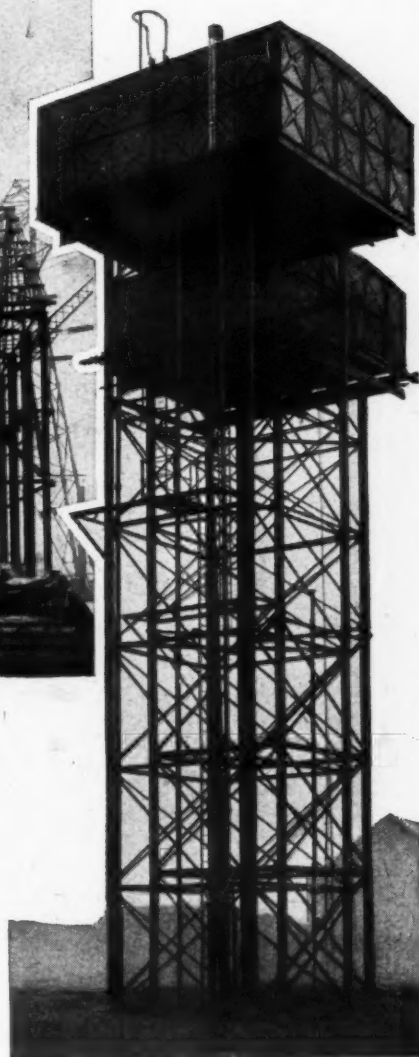
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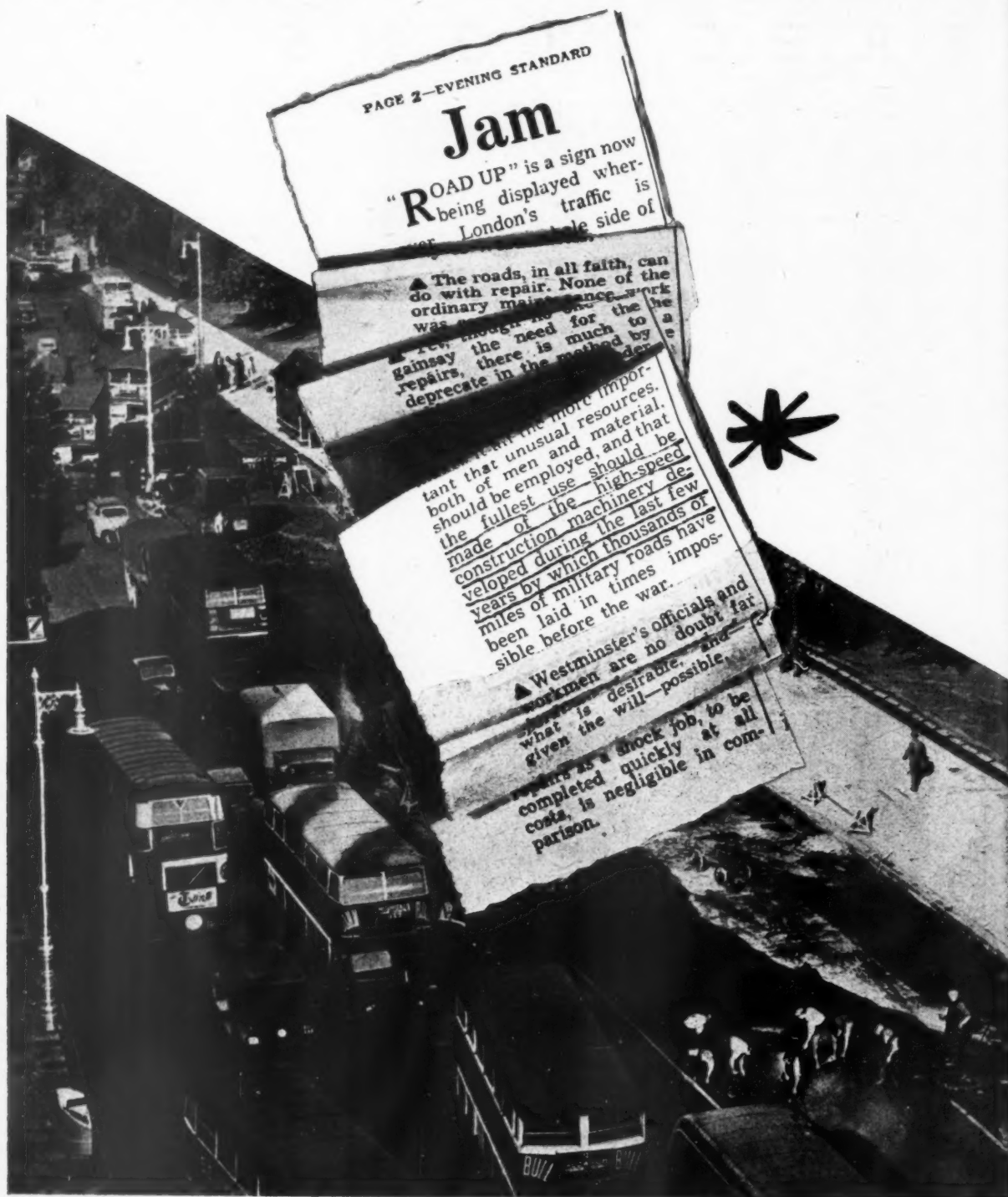
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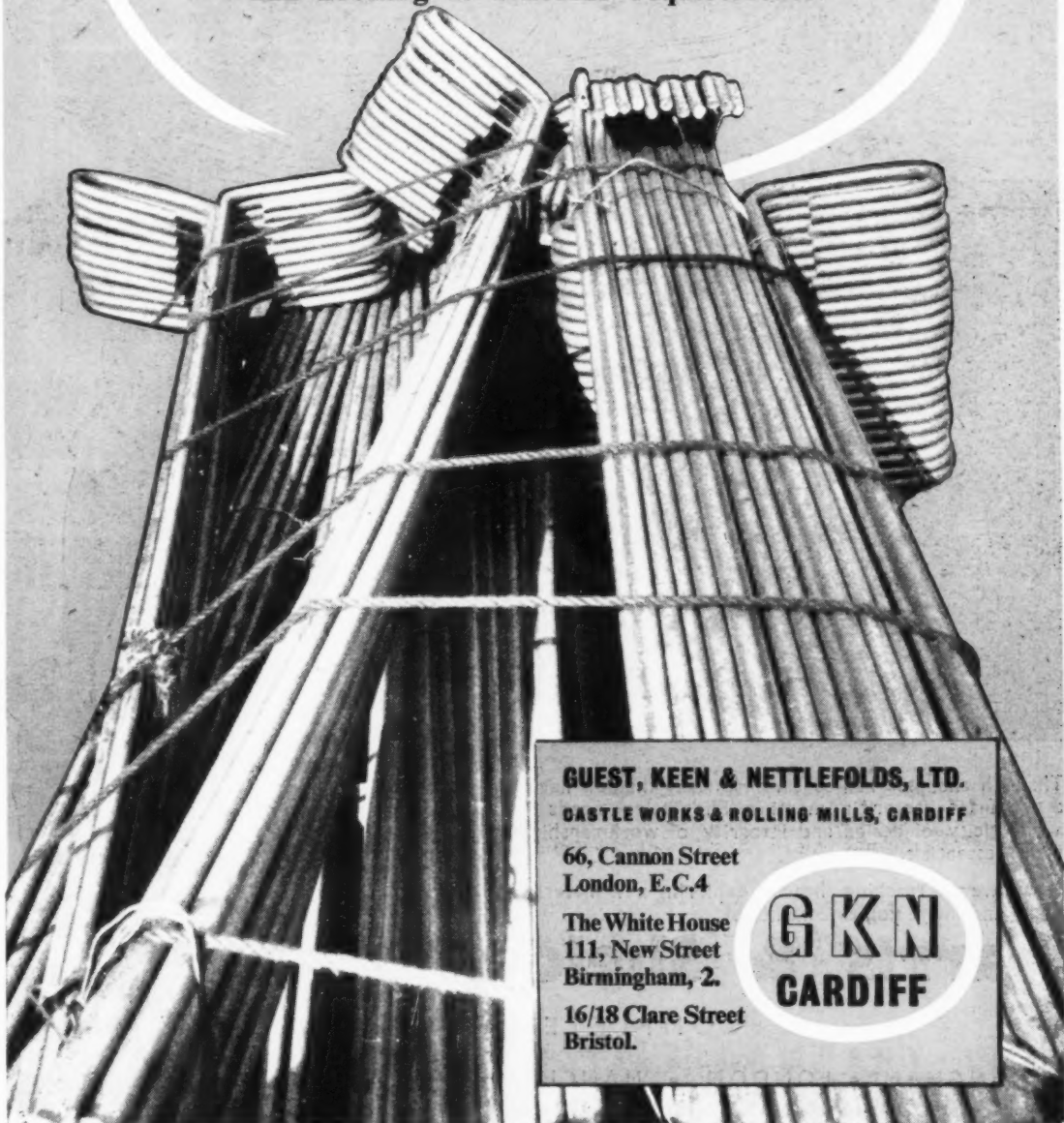
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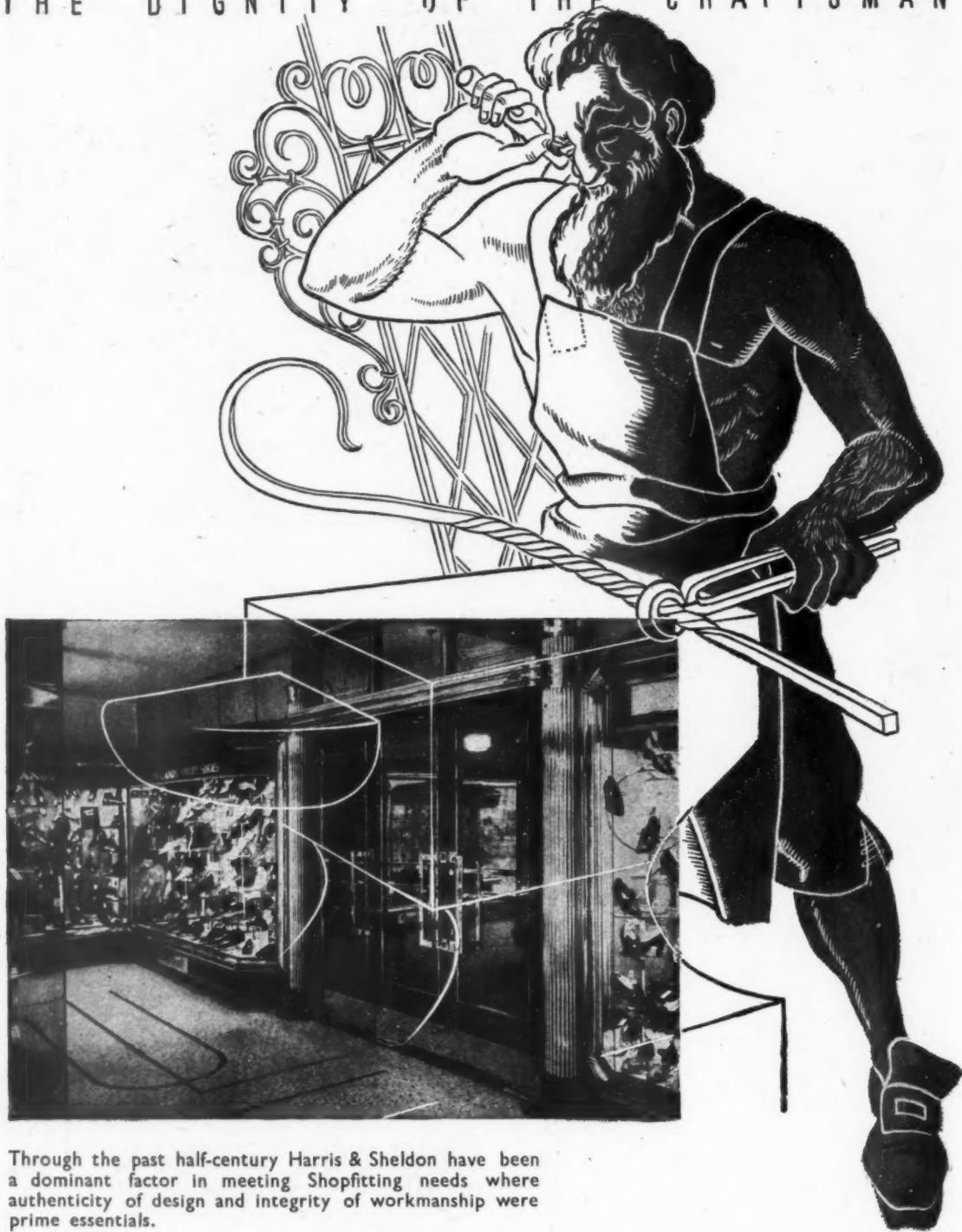
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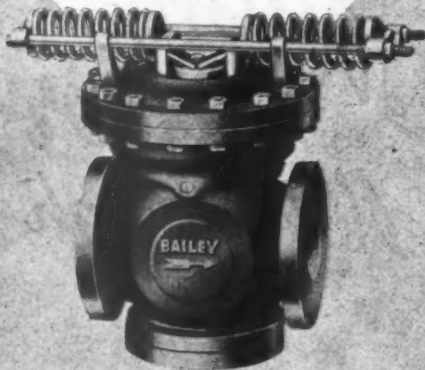
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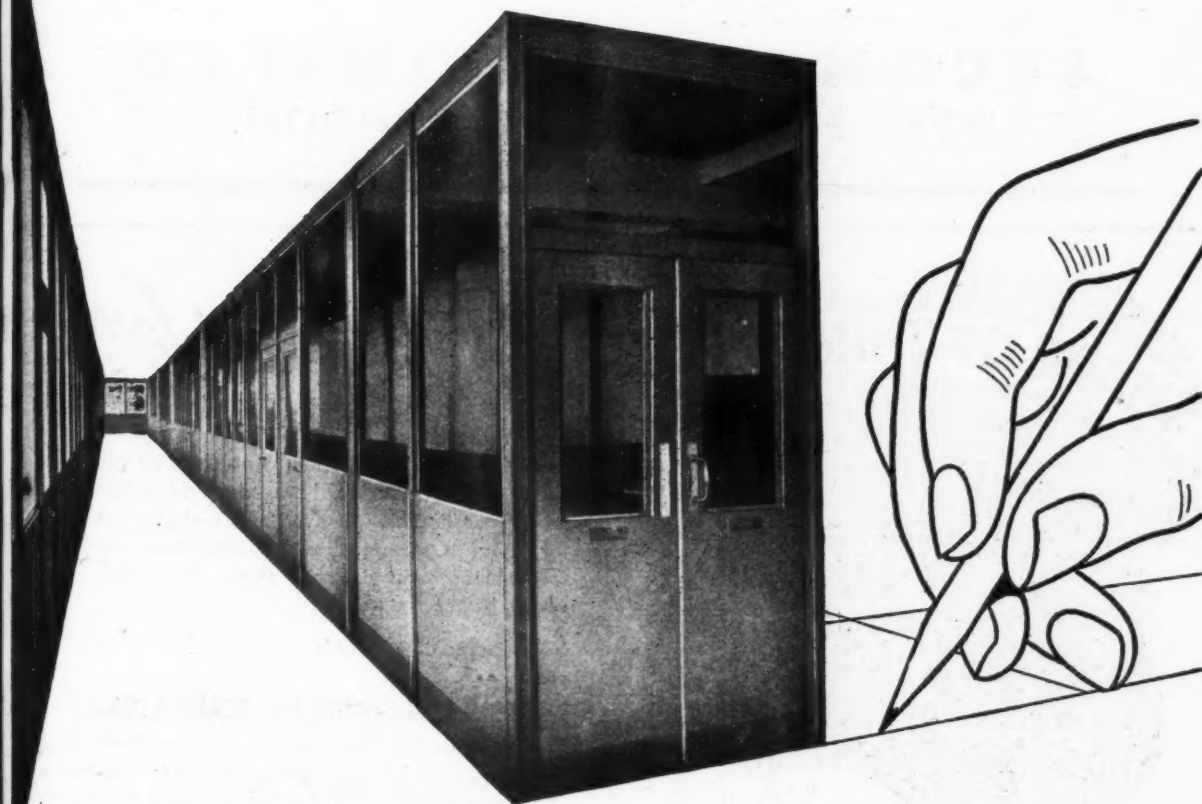
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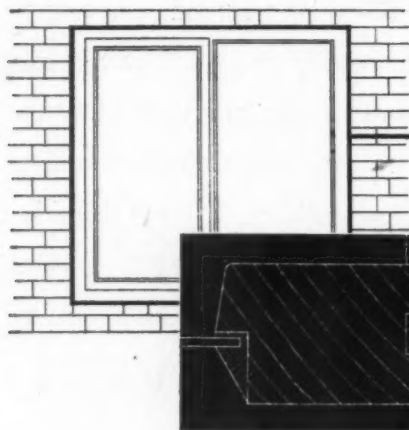
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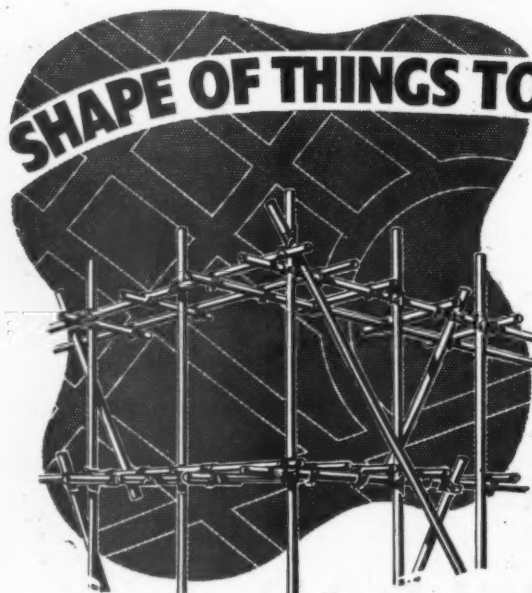
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Reprinted from the "Builders' Merchants' Journal and Builders' Ironmonger," May, 1946.

BRITISH WALLBOARD PIONEER

Some people appear to be under the impression that the wallboard industry originated in the U.S.A. about 1915. We are reminded, however, by our friends the P.I.M. Board Co., Ltd., of Sunbury-on-Thames, that the industry had its origin in Great Britain, the inventor being the late Mr. D. M. Sutherland, the talented and popular managing director of the Company, who died only three years ago, and who gained his first experience in paper and pulp manufacture as far back as 1875, when in the employ of a firm of Edinburgh paper-mill engineers.

His association with the production of millboards dated back to 1882, in connection with the manufacture and use of Lincrusta-Walton for the decoration of railroad carriages—millboard being used as a backing for the Lincrusta.

The name "millboard" was subsequently dropped for the more appropriate one of "Panelboards," and by 1898 the demand for these had grown to such dimensions that a separate company was formed—namely, The Patent Impermeable Millboard Co., Ltd. (now, of course, the equally well-known P.I.M. Board Co., Ltd.), of Sunbury-on-Thames, Mr. Sutherland being its first managing director—a position he continued to hold for the rest of his life.

During the Company's manufacturing career, other types of boards have been produced, to take the place of wood—notably "Sundeala," which is made in two qualities, both water-resisting to a very high degree, and eminently suitable for use in ships, railway carriages, and the interiors and exteriors of houses.

To meet the demand for an acoustic and insulating board, the Company

brought out the highly-successful "Insulwood." Fire-resisting boards are also produced, and the Company's ant-proofed boards are in great demand for tropical countries, as they resist most satisfactorily even the attacks of termites.

It is interesting to recall that prior to the production of these special boards Mr. Sutherland had adopted the plan of pasting thick sheets of paper together to form a thick board, the sheets being sometimes cemented together with a suitable asphalt adhesive, but with the introduction of homogeneous boards such as "Sundeala," "Agasote," etc., the manufacture of laminated boards was discontinued.

Homogeneous boards are so often regarded as American in origin that it is particularly interesting to discover that prior to 1908 the Sundeala Company shipped large quantities of its boards to the U.S.A., and subsequently, in order to avoid delay in the execution of orders and the high tariff of 55 per cent. imposed on the boards, it was arranged to start up manufacture in the U.S.A., a mill for the purpose being organised near Trenton, New Jersey, under the direction of Mr. Manson Sutherland, the late Mr. Sutherland's eldest son, who controlled the manufacture for the American market for about twelve years. As far as can be ascertained, these homogeneous waterproofed boards shipped from the English mill were the first to be used in the United States, but since that time many other companies have set up mills in both the U.S.A. and Canada to meet the ever-increasing demand.

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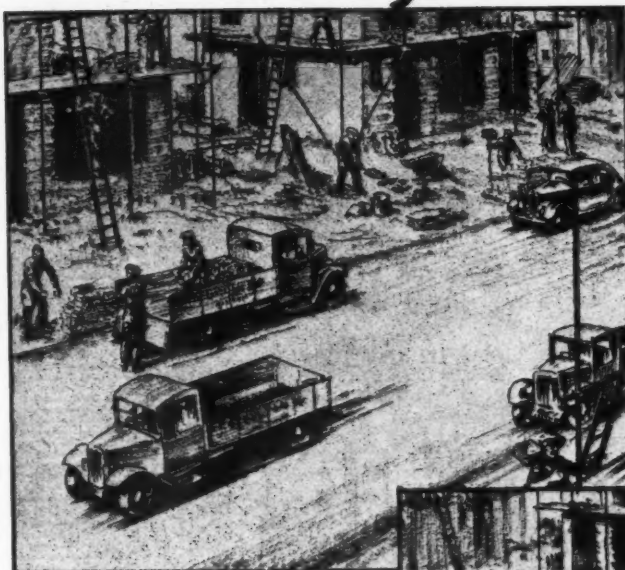
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DIARY FOR SEPTEMBER OCTOBER AND NOVEMBER

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 as given in the glossary of abbreviations on the front cover.

LONDON. *Design for Industry.* Two-day Conference at the Central Hall, Westminster, S.W.1. First of a series of conferences to be held in association with the *Britain Can Make It* Exhibition. Sir Thomas Barlow, Chairman of the Council of Industrial Design, will preside. September 26: Sir Miles Thomas and Josiah Wedgwood on *Industry and the Designer*; and T. P. N. Burness on *Design and Machinery*. Other speakers will be E. Bruce Ball and Sir E. Raymond Street, C.B.E., Chairman of the Cotton Board, on *Design and Research*. September 27: Leslie Gamage, M.C., and John Ryan on the importance of design as an ally in sales, home and overseas; and Allan Walton and A. Whitaker on *Design Training*. The title of the last session of the conference will be *A Programme for British Design*, when principal speakers will be Sir Charles Tenyson, Chairman of the FBI Industrial Art and Education Committees, and S. C. Leslie, Director of the Council of Industrial Design. Conference arrangements are in the hands of the Conference Secretary, Council of Industrial Design, Tilbury House, Petty France, S.W.1. (Sponsors, CID and FBI.)

SEPT. 26 AND 27

New Homes for Old. Exhibition of House Conversion at the Tea Centre, 22, Lower Regent Street, S.W.1. 10.30 a.m.-5.30 p.m. Saturdays, 10.30 a.m.-4.30 p.m. Admission 1s. (Sponsor, HC.)

SEPT. 26-NOV. 28

Designing and Building the New Towns. Lecture by F. J. Osborn at the Planning Centre, 28, King Street, W.C.2, at a lunch-time meeting. Buffet lunch, 2s. 6d., 12.45-1.15 p.m.; talk and discussion, 1.15-2.15 p.m. (Sponsor, TCPA.)

SEPT. 26

Britain Can Make It Exhibition. The DIA is arranging a series of short talks on some of the main sections of the Exhibition which will be delivered by authoritative speakers every day (except Sunday) from September 30, at 3 p.m. and 7 p.m., in the Lecture Theatre of the Victoria and Albert Museum. The talks will last 30 minutes, followed by 10 minutes' discussion. Admission, 1s. (Sponsor, DIA.)

SEPT. 30 onwards

Federation of Master Builders Luncheon. At the Connaught Rooms, Great Queen Street, W.C.2. The luncheon will precede the half-yearly Business Meeting. Principal speaker: Sir Harry Selley, J.P., National President. 1 p.m. Oct. 1

Village Survey. Talk at 13, Suffolk Street, S.W.1, by Cecil Stewart, A.R.I.B.A. Buffet

lunch: 12.45 p.m.-1.15 p.m. (2s. 6d.). Talk and Discussion: 1.15 p.m.-2.15 p.m. (6d.). (Sponsor, HC)

OCT. 1

First Meeting of the Autumn Programme of the British Display Association. At the Lighting Service Bureau, 2, Savoy Hill, W.C.2. Lecture by W. C. Jarvis on *What We Expect of Display*. 7 p.m. Oct. 3

National Joint Council for the Building Industry. Twenty-Fifth Anniversary Commemoration Dinner. At the Dorchester Hotel, Park Lane. Guests of Honour: the Lord President of the Council and the Minister of Health. The Chairman, Mr. W. H. Forsdike, and the Vice-Chairman, Mr. J. W. Stephenson, will receive the guests. 6.45 p.m. for 7.15 p.m. Oct. 3

Designers Conference. At the Goldsmith's Hall, Foster Lane, E.C.2. Saturday, October 12, 3 to 7 p.m., *Britain Can Make It*, a discussion on the content and significance of the current exhibition; chairman, Allan Walton; speakers, Dudley Ryder, N. Edgar Rawson, and others. Saturday, 5.30 to 7 p.m., *Can Industry Do Without the Designer?* Chairman, John Gloag; speakers, John M. Ryan, Norbert Dutton, and others. Sunday, October 13, 3 to 4.30 p.m., *The Designer in Action*; chairman Lord Sempill; speakers, Misha Black, Dr. Nikolaus Pevsner, F. E. Middleditch, Victor Skellern, W. H. Russell, Alec Hunter, Douglas Scott. 5.30 to 7 p.m., *A Design Brains Trust*; question master, W. D. H. McCullough. The Conference is open to all; the ordinary ticket, 30s., will admit to all sessions and includes buffet tea and reception on Friday evening; a special student's ticket, 15s., admits holder to all sessions on Saturday and Sunday inclusive of buffet tea. (Sponsor, Society of Industrial Artists, 9, Conduit Street, W.1.)

OCT. 12-13

Geffrye Museum. On and after October 1, the Geffrye Museum, Kingsland Road, E.2 (Acting Curator: Mrs. M. Harrison), will be open at the following times:—Sundays, 2 p.m. to 6 p.m. Tuesdays to Fridays inclusive, 10 a.m. to 9 p.m. Saturdays, 10 a.m. to 6 p.m. The Museum will continue to remain closed on Mondays, except Bank Holidays. (Sponsor, LCC.)

Helping Young People to See. Conference on Design for Youth Leaders and Teachers. At Brown's Hotel, Dover Street, W.1. (Sponsor, DIA.)

OCT. 28-31

WALTON HEATH. Building and Allied Trades Golfing Association. Autumn Meeting at Walton Heath (Tadworth Station, Southern Railway).

OCT. 8

N E W S

THURSDAY, September 26, 1946
No. 2696 VOL. 104

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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. The JOURNAL's starring system is designed to give this emphasis, but without prejudice to the unstarring items which are often no less important.

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

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

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

★★★

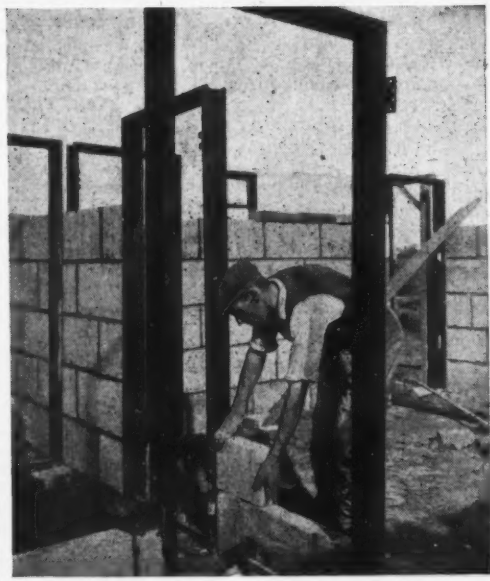
London Passenger Transport Board has launched a nationwide COMPETITION FOR A KERBSIDE BUS SHELTER.

The Board offers prizes of 300 guineas and 100 guineas for the two best designs for a shelter to replace the austerity type erected throughout London during the war. This is the first time the Board has held an architectural competition of any sort. The RIBA is assisting the Board and has nominated Professor W. G. Holford and Mr. F. R. S. Yorke to act as Assessors, together with Mr. Thomas Bilbow, the Board's own Architect. Conditions of the design of the new shelter is that it shall be easily dismembered, require little depth for fixing, be economical to make and to erect, and show the name of the stopping place. It will be composed of units, each 12 ft. long, which can be fitted together to form a shelter of any desired length. An exhibition of all designs submitted will be held at Charing Cross Underground Station after the judges' decisions have been announced. Designs must be in by January 8, 1947. Terms and conditions can be obtained from the Chief Public Relations and Publicity Officer, London Transport, 55, Broadway, S.W.1, marking their envelopes "Shelter Competition."

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LONDON: 17 Berners Street, W.1

From AN ARCHITECT'S Commonplace Book

THOUGHTS OF A 19TH-CENTURY SHARAWAG: SUPERIORITY OF IRREGULAR SQUARES. [From *The Art of Building Cities* by Camillo Sitte; translated by Charles T. Stewart (Reinhold Publishing Corporation).] In modern cities irregularity in plan is unsuccessful because it has been created artificially with the straightedge. It most often takes the form of triangular public place—the fatal dregs of drawing board plotting. They nearly always have a bad effect. There is no illusion to the eye, for the clashing intersection of building lines are always in view. The sole means of remedying the defects of such places would be to make each side irregular in itself. That would bring about numerous recesses, partially symmetrical, and open spaces removed from traffic where monuments and statues might be advantageously situated. Unfortunately that is impossible today, for since each of the three sides of a triangular “square” is rigorously straight, all efforts towards pleasing treatment are in vain. From this springs the legend of regular and irregular squares which holds that the first class are beautiful and suitable for monuments located; it is needless to say, in the geometrical centre. If we limit ourselves to modern squares, this assertion is true, but when we begin to examine those of past epochs we see that irregular squares can be more readily adorned with statues and monuments, for they do not lack suitable places for them.

The full syllabus of the Timber Development Association's THREE-YEAR COURSE IN TIMBER TECHNOLOGY has now been published.

This may be obtained free of charge from the Timber Development Association, Ltd., 75, Cannon Street, London, E.C.4. Successful evening classes were held last year in some thirty Technical Institutions. About one thousand students took the course last year and most of them will become second-year students when the classes reopen this month. Ninety-three instructors attended the recent Instructors' Course at Cambridge and are now ready to begin the work of the new session. First- and second-year classes will begin during September or early October at Birmingham, Bristol, Cambridge, Canterbury, Chelmsford, Edinburgh, Gillingham, Glasgow, Hitchin, Hull, Ipswich, King's Lynn, Letchworth, Liverpool, London, Newcastle, Northampton, Norwich, Nottingham, Stevenage, Sunderland and Torquay. There will be first-year classes only at Aberdeen, Brighton, Erith, Exeter, Folkestone, Gloucester, Grangemouth, Gravesend, Gt. Yarmouth, Leeds, Luton, Maidstone, Manchester, Portsmouth and Southampton. In addition to the classes engaged on the Three-Year Course there are also to be regular public lectures from time to time at Leeds and West Hartlepool, and occasional lectures in many other cities. Given a sufficient demand, discussion groups will be arranged for the benefit of members of the timber trade whose experience has been interrupted by war service and for all persons who, for one reason or another, are not able to take advantage of a continuous course. Classes working on the first and second years of the TDA Three-Year Course in Timber Technology will be held during the coming session at the City of London College, Electra House, Moorgate, London, E.C.2 (telephone Mon. 8112), commencing on October 1, 1946. The fee for the first- or second-year class is £1 13s. for the whole session. Both first- and second-year classes will take place on Tuesday evenings from 6 to 8 p.m., and will include both lectures and laboratory work.

★

The Soviet Government has offered to make available TWENTY-FIVE THOUSAND STANDARDS OF TIMBER this season for shipment to the United Kingdom.

A contract will shortly be concluded between the Timber Control and the Soviet Exporting Organization. This is one of the results

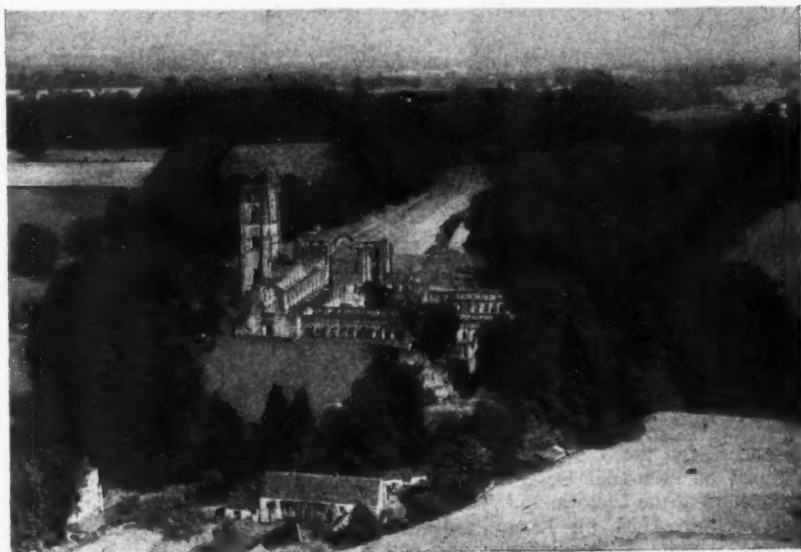
of discussion between the Board of Trade and the Soviet Trade Delegation as a result of which agreement has been reached on certain outstanding problems relating to the supply of large quantities of civilian goods to the USSR which have been manufactured in this country under wartime supply agreements. Further discussions will take place on the wider development of Anglo-Russian trade.

A revised syllabus and time table has been issued for the RIBA Examination for candidates for the office of BUILDING SURVEYOR UNDER LOCAL AUTHORITIES.

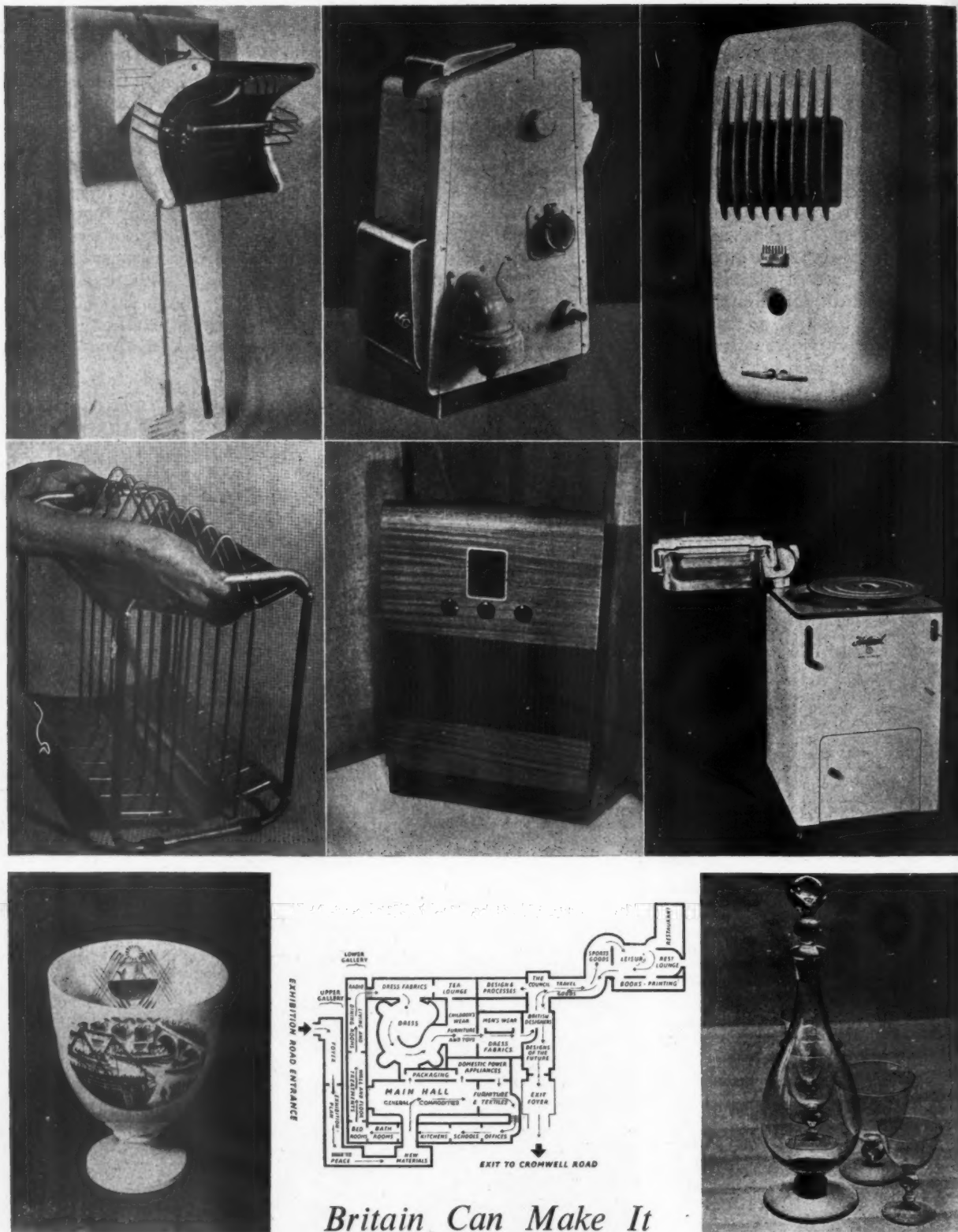
The attention of candidates is drawn to the fact that a revised syllabus and timetable for the RIBA Examination for candidates for the office of building surveyor under local authorities will come into operation on January 1, 1947. Copies of the form of application containing the revised syllabus may be obtained from the Secretary, Royal Institute of British Architects, 66, Portland Place, London, W.1.

I cannot but be very shocked at the proposal to restore, and I suggest, destroy the REMAINS OF FOUNTAINS ABBEY in order to put them to their old use:— Sir Charles Reilly.

This view is expressed in an article headed *Leave Fountains Alone* in the *Yorkshire Post* by Professor Sir Charles Reilly, who protests against the recent proposal to restore the Abbey in order that it may revert to its original use as a Benedictine monastic house. Five hundred years makes a tremendous difference in social life, writes Sir Charles, and one hopes a corresponding difference in architecture. If architecture is once more coming to life as a living art, it cannot stoop to help in so patent a fraud as is now suggested. The result cannot be anything else than a fake, even if carried out by clever and experienced men like the monks of Buckfast... the ruins of the old building are rare and precious things. The only thing to be done is to leave such thirteenth century work alone to be enjoyed in its lovely setting and to build elsewhere another monastery and abbey to be called perhaps the New Fountains.



Aerial view of Fountains Abbey, which it has been proposed to restore to its original purpose for use by the monks of Buckfast. Above are extracts from an article by Sir Charles Reilly protesting against this proposal.



Britain Can Make It

Financed by the Government and organized by the Council of Industrial Design, the Britain Can Make It Exhibition at the Victoria and Albert Museum was opened this week by H.M. the King. Above are some of the typical exhibits of consumer goods and a plan of the exhibition lay-out which gives an indication of its scope. Top, left, an HMV bathroom wall electric fire. Top centre, a Janitor domestic boiler. Top right, the new

De La Rue plastic Multi-Point gas water heater, designed by G. Grey Wornum. Centre left, an aluminium alloy plate rack by E. Shipton and Co. designed by H. A. Nieboer. Centre, a Murphy radio set designed by A. F. Thwaites. Centre right, the Hotpoint electric washing machine. Below left, a Boat Race vase designed by Eric Ravilious. Below right, a decanter and glasses by the Whitefriars Glass Co. designed by James Hogan.

★★
The Minister of Health together with the Minister of Works, received last week at the Ministry of Health a DEPUTATION ON HOUSING from the London Trades Council.

The deputation presented a resolution of the Council that it viewed with sympathy and understanding the direct action of many working class families to secure housing accommodation. It refused to differentiate between different types of squatting, recognizing that all squatting is a revolt against intolerable conditions. It condemned the refusal of reactionary councils to use their requisitioning powers to take over vacant property to house the people, and also the failure of the Government to treat this refusal as of major importance requiring the strongest action. It demanded that during the period of housing emergency the Government should refuse to allow labour and materials to be used to re-condition luxury flats for letting at high rentals, and that all property suitable for emergency use as housing accommodation should forthwith be centrally requisitioned and used to house the people—any doubt as to suitability to be a final decision of the Ministers of Health and Works. The Minister of Health said everyone had sympathy for people who, for the present were compelled to live in very bad conditions, but squatting was not only no remedy, it brought disorder and confusion into a field already sufficiently difficult. The amount of requisitioning and conversion for housing already carried out by local authorities was simply not realized. Local authorities in London held no fewer than 57,000 requisitioned properties giving accommodation for 91,000 families. That meant that 1 in 30 of all the families in London were now living in requisitioned property. The work of preparing this property had kept an average of 8,000 men employed throughout the past twelve months. In addition some months ago he diverted temporary houses to London from other parts of the country to meet the special difficulties which were bound to arise in London. So far 10,000 of these temporary houses had been completed. Local authorities had been asked to tighten up their issue of licences to help divert more building trade workers on to building new houses. The black market in building work could be killed if there were proper co-operation between the licensing authorities, the building trade unions and private citizens. No one who was doing unauthorized repairs had any right to criticize the Government's housing progress. By the building of permanent and temporary houses, the repair of war damaged houses, conversion and adaptation of large houses, requisitioning and erection of temporary huts, 120,000 families, or about 400,000 people, had been provided with homes in the London Region in the last 16 months. It was estimated that accommodation for nearly 100,000 people would be made available by the end of December. This showed solid progress and was the best guarantee that homes would be provided. This progress could be maintained and improved only if local authorities were given strong backing for a fearless policy of providing housing to the utmost possible extent and allocating it on a proper priority based on the needs of the families concerned.

Mr. J. E. Rhind, a qualified architect, is STANDING FOR PARLIAMENT as Independent candidate for the northern constituency of Inverness-shire at the next election.

NO BUSHEL FOR BRITAIN

AT the moment there are, in London, two exhibitions, each excellent in themselves, but with entirely different objects. They have this however, in common: they are both sponsored by the Governments concerned. Swiss architecture is not an exportable commodity and the exhibition now open at the RIBA can therefore pay no dividend beyond adding to Swiss national prestige. The object of Britain Can Make It is perhaps less clear. It is intended, certainly, to give a war-weary buying public a foretaste of what they may be seeing in the shops during the next few months, but quite a large percentage of the exhibits are for export only and will presumably not be available here for a year or more. Yet is there any effort made to attract the foreign buyer? It was announced some months ago that no special facilities could be granted—shades of the Leipzig and other Fairs with their cheap travel and reduced hotel charges—so the foreigner comes, if he can get a visa, and finds the hotels crowded, living very expensive, and very little to eat.

This state of affairs is unavoidable at the moment, and is no fault of the organisers of the exhibition. The Council of Industrial Design has had the difficult task of putting over design to manufacturers who are too often allergic to ideas of this kind and from what we have seen so far, the Council has been remarkably successful.

It is, however, pertinent to ask whether the Board of Trade has any long term exhibition programme, and whether adequate funds will be available. The Swiss exhibition is by no means lavish, but it gives no impression of having been carried out on a limited budget. Britain Can Make It will, at a guess, run well into six figures, and the proposed 1951 exhibition may well be a matter of several millions.

But in the 5-year gap between Britain Can Make It and 1951, is anything to be done about British prestige in other countries? The British Council is frequently attacked in the daily Press for the considerable size of its annual budget, but has it anywhere done anything for building comparable to the Swiss exhibition? Has it, in fact, enough money to spend, and does it spend it in the right way? We are aware that in matters of building it co-operates with the RIBA, but when we are dealing in general with well designed industrial products there are many other organizations which could be of considerable assistance. Is there adequate co-operation between the British Council, the Council of Industrial Design, the Arts Council of Great Britain and the various other private organizations which have been modestly preaching good design for decades? The British Council has from time to time been criticized for displaying goods to nations who cannot want them, but the British Export Trade Research Organization exists to find out what other nations can use and to prevent the display of racing bicycles to desert tribes who can travel only by camel.

We can see no reason why all these organizations should not co-operate to produce a travelling exhibition of well-designed British goods and show to the buyers of all nations, in their own countries, that Britain can not only make it, but design it as well.

Switzerland for watches, Germany for cameras, France for fashion, every nation has a world reputation for some product of particular excellence. We suggest that it is high time for Great Britain to become known for something other than saddles, cricket bats and half timbering.



The Architects' Journal
13, Queen Anne's Gate Westminster, S.W.1

Phone: Whitehall 0611

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

BERLIN'S RUBBLE

Last week I mentioned a type of house which is being built in Germany from the rubble of bombed buildings. The rubble problem is no small one and some interesting facts as well as some constructive proposals of what to do with Germany's 50 million cubic metres of broken brick now comes in an article by Professor Garbotz in the first number of *Die Technik*, a new German periodical.

The first idea was to collect all the bricks that were whole, says the Professor, and use them on the spot for rebuilding. But this was too slow. The only possible course is to treat the whole mass of debris as raw material and convert it by some running belt

process. Crushed brick is an excellent aggregate for cement and the process can be made economical if carried out with adequate machinery.

A large crushing mill would cost some 700,000 marks. Each cubic metre of the mixture would cost about 3 marks for depreciation of machinery and 2 marks for running expenses. Compared with these figures, a cubic metre of gravel costs 18 marks today and even before the war was 6 to 8 marks. The figures need no comment. If six crushing mills were located at strategic points in the inner Berlin circle, says the article, about 60 per cent. of Berlin's rubble could be disposed of in 30 years' time. Rather a staggering figure this, but really quite a short time compared with that required if the work were done by hand.

So there seems no doubt that this crushing mill method will be used. But there are some technical problems yet to be solved before the municipality can proceed with the plan. For instance, are bucket dredgers or other kinds to be used? Is the plant to be stationary or mobile? Should sifting be done on the spot or at the mill? Should transport be on a light rail or on a belt? Should the rubble be dealt with dry or wet?

Professor Garbotz believes that if one or two experimental plants were built at once, all such problems could be solved in six months' time, and the rebuilding of Germany's devastated towns could then go steadily ahead.

I HAVE BEEN HERE BEFORE

Everybody is interested in houses—why not in books on housing? Such,

obviously, was the flow of what passes for thought in the minds of many publishers a year or so ago. Printing difficulties have delayed the fruits of these first ruminations, but what a harvest has lately descended upon us. One after the other they fall, ripe with knowledge, bursting with facts, glowing with enthusiasm, *Housing Digest*, *Homes for the People*, *Re-housing of Britain*, *Re-building Britain*, *Homes [Permanence and Prefabrication]*, *Prefabricated Houses*, there are almost enough of them to build a real house.

Latest to appear—gaining in up-to-dateness what it loses in the staleness of frequently covered ground—is *Homes for the People* [Paul Elek (Publishers), 7s. 6d.], written by a committee of ABT and introduced by "Ascona" Bevan himself. This is a comprehensive and well-illustrated survey, covering planning, structure, insulation, finishes, services and costs, and is written with admirable conciseness and sincerity. It is directed principally at the layman [who by now, incidentally, must be almost as fully informed as the architect on the pros and cons of prefabrication and the one-pipe drainage system], and can be safely recommended to all those people who ask you what books they ought to read to get an idea of the housing set-up.

It won't do architects any harm to read it either, though for most of us it will be an uneventful and familiar experience—rather like, say, the journey to work. The book is opened, there is a click, and whirr of mechanism, and one by one the familiar landmarks glide by—Garchey, Gibberd, Portal and Sweden—until you reach the well-known terminus—It's Up To Us. This, you will remember, is where you came in.

On the return journey you can try another vehicle—*We Built a House* [John Gifford, 7s. 6d.], in which the author, Roy Cole, describes the pre-war building adventures of himself and his wife, Ann, of his encounter with Mr. Whortleberry, the architect, Mr. Putlog, the builder, of how to tell good bricks from bad, and clean sand from

dirty—"... Pick up a handful, close it up in your fist, open up your hand and look at it. I don't quite know what this means, but it rattles the builder no end..."—and of dealings with Building Societies, boilers, septic tanks and curtain tracks.

Mr. Cole's book lacks the wit and knowledge of *The Honeywood File*, but buried in its pages is a surprising amount of sound advice and plenty of honest facts, and if you can stomach a tendency to archness in the author's style, you will find the journey in his company reasonably diverting.

NORTHERN GEORGIANS

Yorkshire's eighteenth-century heritage has had to take some hard knocks of late years. First there was the burning of much of Castle Howard, then the affair of Wentworth Woodhouse; and now comes the threat to Fountains Abbey (almost as important as a *locus classicus* of Georgian landscape gardening as it is as a monastic ruin).

In view of these portents, it is good to find that those who have taken upon themselves the protection of a large part of the country's Georgian buildings are vigilant. The assurance comes in the form of the *Transactions* of the Georgian Society for East Yorkshire—the first issue since 1939.

Reports covering the war years, followed by an article on town planning and Georgian architecture by the Society's president, the Earl of Rosse, take up the first part of the *Trans.* Then comes the chief feature, an illustrated paper on the South Holderness village of Winestead, and more particularly on Winestead Hall, a handsome middling house of 1710 which contained some splendid decorative plaster-work.

In its day, Winestead Hall saw distinguished company. One of its owners listed the assembly in the dining room in 1756: Eight bustoes, viz: Seneca, Cicero, Aeta, Plartilla, Horace, Zingara, Sapho, Cornelia; the three medallions, viz: My uncle over the chimney, Augustus and Livia."

But the whirligig of Time had its revenge, and 180 years later the Corporation of Hull demolished the house. It was, they found, unsuitable for occupation by convalescent mental cases.

CAMPDEN HILL SQUARE

It is said that the indefatigable Dr. Pevsner is still searching for good examples of Victorian garden design, both private and public. I find dating buildings of the 19th century is difficult enough, and dating flower beds and shrubs is almost beyond me. I invite derision therefore in suggesting that Campden Hill Square is a particularly handsome, and as yet unspoiled example of Early Victorian garden planning. Whether it is Early, Middle or Late, is a matter of interest principally to Dr. Pevsner alone. To the ordinary Londoner it is design, not period, which matters, and this surely could scarcely be bettered.

Although small in scale, its layout and planting are most subtle, and succeed in extending the apparent size of the garden without loss of intimacy and coziness. I hope the many architects who live in that district will guard their treasure well—at least until Dr. Pevsner has recorded its delights.

DON'T MISS THESE

Let me divert your eye for a moment from the V. and A. First to the RIBA's Swiss show. This is a delight—no clever tricks, but a clean, dignified and unaffected job. Never has the RIBA looked so gay and refreshing with its bright red carpet, striped kiosk awning and yellow padded chairs contrasting with the white screens and fine monochrome photographs.

Another exhibition to be noted which has just opened at the Tea Centre in Lower Regent Street is the very practical one on house conversion. It has been designed and organized by Mr. Richard Davies, a young architect who is doing a lot of conversion jobs these days, mainly in Bath. The exhibition is useful in being more than a piece of propaganda as it provides a lot of information on how conversion jobs have to be tackled.

ASTRAGAL



LETTERS

Norbert Dutton,

M.S.I.A., Hon. Public Relations Officer,
Society of Industrial Artists

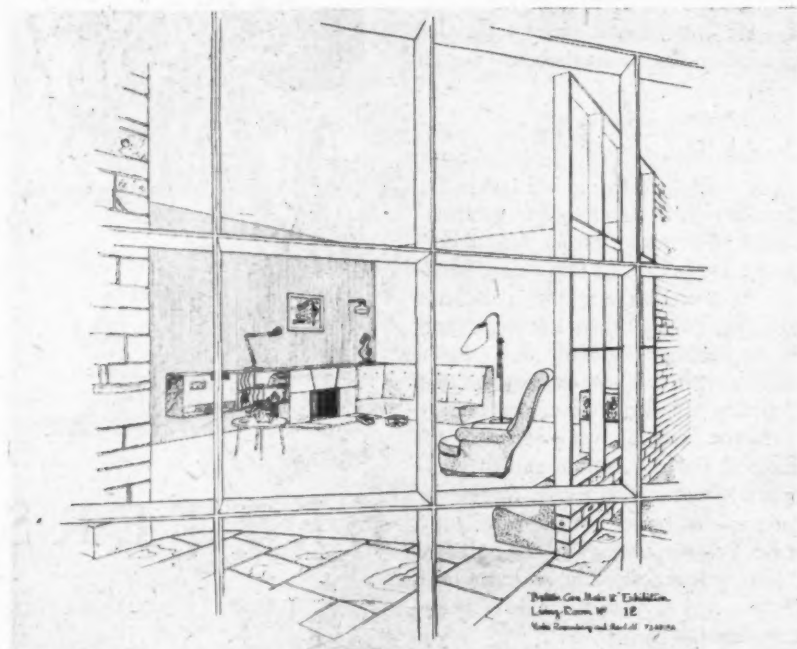
J. E. Rhind

SIR.—Since industrial design is receiving increasing attention from architects, your readers may be interested to know that a Designers' Conference is being organized by the Society of Industrial Artists in connection with the Exhibition "Britain Can Make It." The Conference will be held in the lecture theatre of the Victoria and Albert Museum, adjoining the exhibition, on Saturday and Sunday, October 12-13th, and will comprise two sessions on each day, from 3 to 4.30 and from 5.30 to 7 p.m.

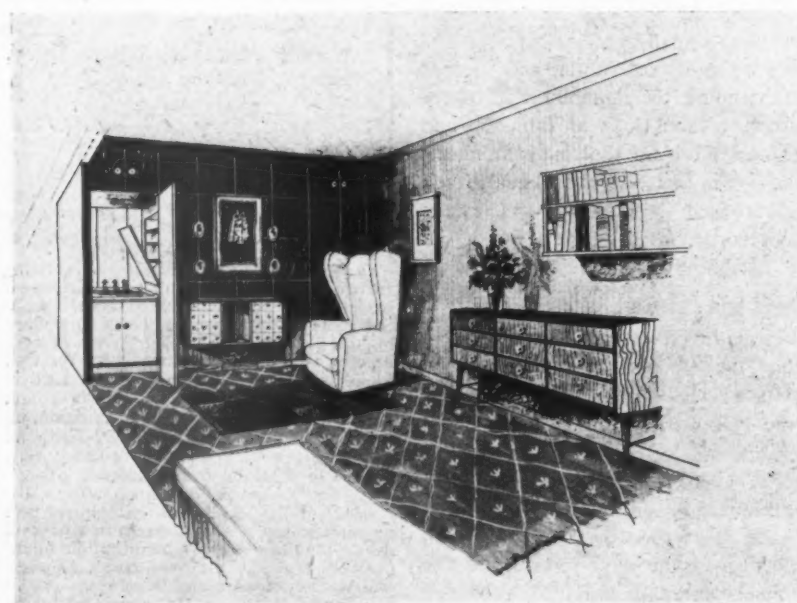
The first session is concerned with a discussion of the exhibition, its content and its significance. The second session will deal with the designer's contribution to industry: readers of the ARCHITECTS' JOURNAL will scarcely require any other assurance of a stimulating and controversial discussion than the presence of Mr. John Gloag in the Chair. At the third session specialist designers from different industries—plastics, ceramics, furniture and so on—will describe their methods of working, and Mr. Misha Black will explain the function of a design consultant. At the final session Mr. W. D. H. McCullough, the BBC Question Master, will lead an unusual brains trust, consisting of designers, industrialists and consumers, for which questions are invited beforehand from the audience.

The Conference will be preceded by a reception on Friday evening at the Goldsmiths Hall. Non-teetotal drinks, to which architects are understood to be partial, will be served. The Conference is open to everyone interested in industrial design; tickets, including admission to the reception and a buffet tea on Saturday and Sunday, cost 30s. Od., and may be obtained from the Secretary, SIA Conference, 9, Conduit

TWO INTERIORS MADE IN BRITAIN



FOR A CHILDLESS COUPLE



FOR A SINGLE WOMAN

A feature of the Britain Can Make It Exhibition at the Victoria and Albert Museum is a series of rooms designed by different architects for different types of owners. Two of them are illustrated above. Top, a living-room with dining recess in a house near a small country town by Yorke, Rosenberg and Mardall for an imaginary family of a bank manager, a keen fisherman, and his wife, a Gilbert and Sullivan enthusiast. Below, a bed-sitting room by Ursula Mercer for a single woman, aged 35, a journalist and widely travelled, now in the Civil Service. On the right are Nicholas Bentley's conceptions of the imaginary owners.

Street, W.1, who will gladly supply further details on request. Students' tickets at half price, admitting the holder to all sessions except the reception, will be issued on application to the Principals of art, architectural and technical schools. The accommodation is limited, and early application for tickets is recommended.

NORBERT DUTTON
Hon. Public Relations Officer,
Society of Industrial Artists.
London

Prefabrication

SIR.—Many VIP's seem to be suffering to-day from prefabrication of the brain. This is liable to be a serious complaint, and the only cure is a hammer and chisel. This ossification of the upper storey has produced a stiff-necked generation, who can hardly see the wood for trees. Their lack of vision is leading them sorely astray. Prefabrication can only be accepted as a temporary

measure, and must in time give way to more permanent buildings built with traditional local materials. Many districts are being almost ruined by prefabrication. It is to be hoped that the Government and all local authorities will bear this in mind. In due course all these prefabrications must come down and be replaced by permanent structures. This is not only essential, but imperative.

Weybourne

J. E. RHIND



The Katzenbach estate with terrace houses in the foreground and semi-detached houses in the background grouped around a common green.

THREE SCHEMES OF CO-OPERATIVE H O U S I N G AT ZÜRICH, SWITZERLAND

GENERAL.—The success of co-operative housing prior to 1939 has induced Local Authorities throughout Switzerland to rely chiefly upon co-operatives for the fulfilment of current housing programmes.

Co-operation offers special advantages over other methods: for instance, the profit motive is replaced by a policy of mutual assistance, each member sharing ownership and responsibility for the administration of the building occupied. Frequent membership

meetings and the democratic election of administrative committees increase efficiency, whilst joint administration encourages tenants to provide such additional amenities as nurseries, libraries, restaurants and shops.

Local Authorities have consequently been relieved of some of their responsibilities and are mainly called upon to support the co-operatives with substantial subsidies.

The illustrations here show three of the recently completed co-

operative housing estates in the Canton of Zürich.

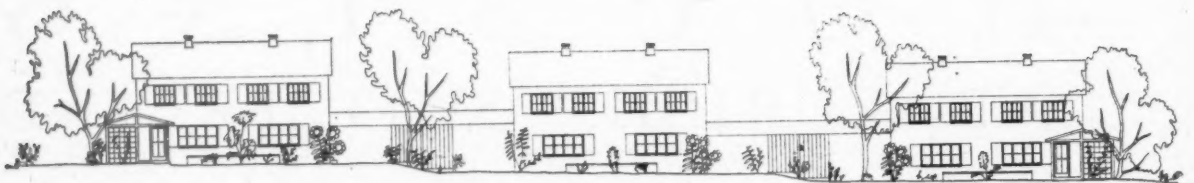
KATZENBACH ESTATE.—This has been designed by the architects Sauter and Dürler for the Housing Co-operative Glattal. In recent years the demand for houses in preference to flats has increased among members of this Co-operative. This desire for more houses has naturally influenced the planning of this estate which includes 69 terrace and 36 semi-detached houses with either 4 or 5 rooms



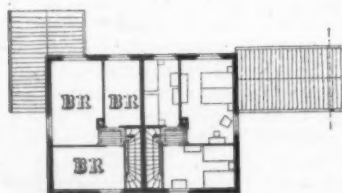
Another view of the Katzenbach estate showing terrace houses on the left and 3-storey flats on right. Below, elevations and plans of the Katzenbach semi-detached houses.



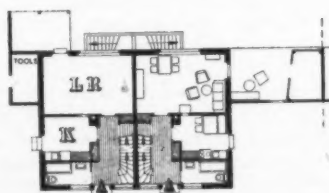
N.W. ELEVATION OF SEMI-DETACHED HOUSES AT THE KATZENBACH ESTATE



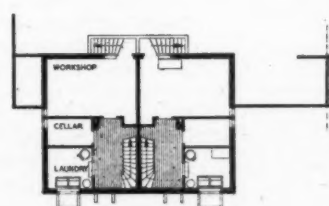
S.E. ELEVATION



FIRST FLOOR



GROUND FLOOR



BASEMENT

each, and 115 3-room flats arranged in several blocks. A shop and two nurseries to accommodate the 300 children on the estate have also been provided.

Groups of semi-detached houses and blocks of flats spaced at intervals of 60 to 90 ft. are arranged at right-angles to the terrace houses to avoid monotony in the layout.

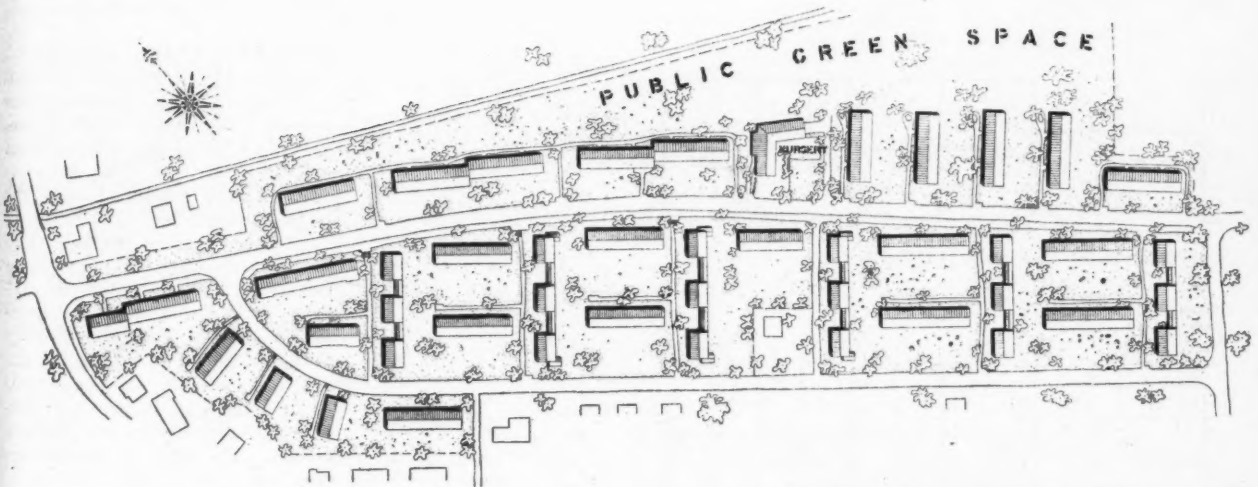
The living room of each flat measures 155 sq. ft., the large bedrooms 138 sq. ft., and the

small bedrooms 85 sq. ft. There is a spacious balcony to every flat. Electrically equipped, communal utility rooms are provided in the basements where there is also some storage space for each tenant.

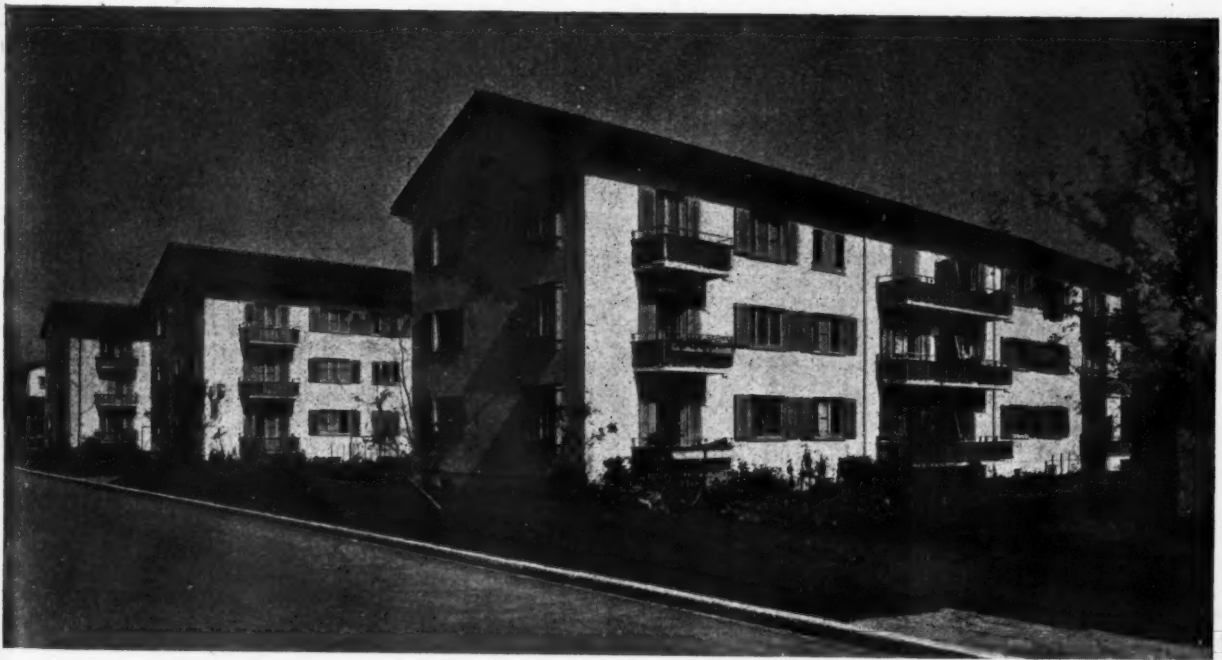
In the houses the living rooms which open onto the garden measure 185 sq. ft., the dining-kitchen 85 sq. ft., and upstairs the three bedrooms 150 sq. ft., 100 sq. ft., and 85 sq. ft. respectively. The basement consists of a utility



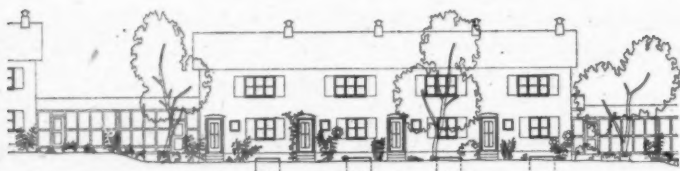
Above, semi-detached houses at Katzenbach. Below, layout and a view of the 3-storey flats.



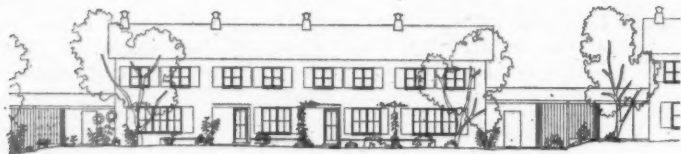
LAYOUT OF THE KATZENBACH ESTATE



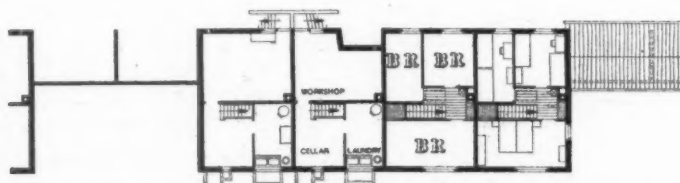
CO-OPERATIVE HOUSING IN SWITZERLAND



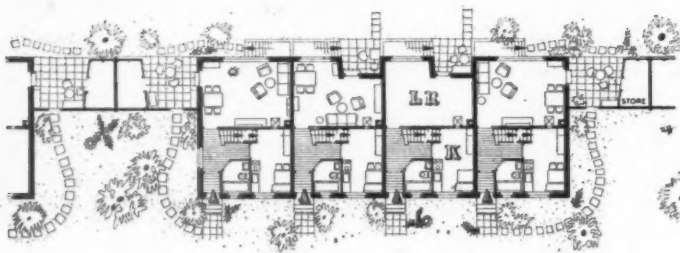
S.E. ELEVATION OF HOUSES AT THE BUCHWIESEN ESTATE



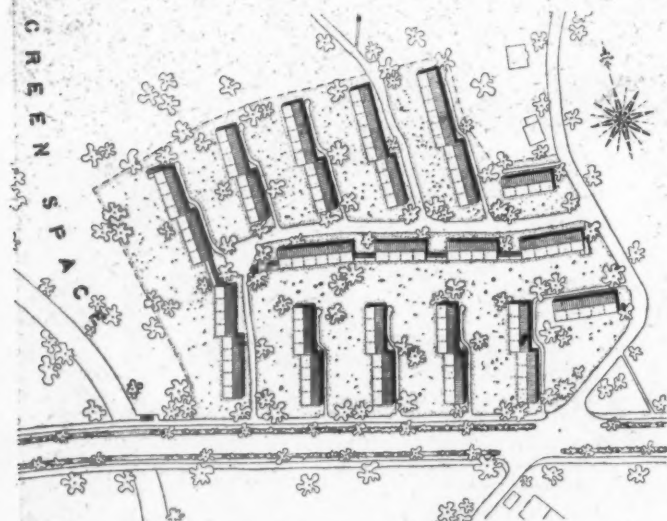
N.W. ELEVATION



BASEMENT AND FIRST FLOOR



GROUND FLOOR AT BUCHWIESEN



LAYOUT OF THE BUCHWIESEN ESTATE

room fitted with a double sink and a wood-burning boiler; the additional space can be used as a workshop and for storage.

The flats are centrally heated but the houses are warmed by a traditional, tiled stove on the ground floor and a portable stove upstairs; the latter can be moved anywhere to suit the tenants requirements. Traditional construction has been adopted throughout.

BUCHWIESEN ESTATE.—This estate, also by the Glattal Co-operative, is close by the Katzenbach estate and will be completed this year. It will consist of 131 houses and 18 flats similar in character to those at Katzenbach.

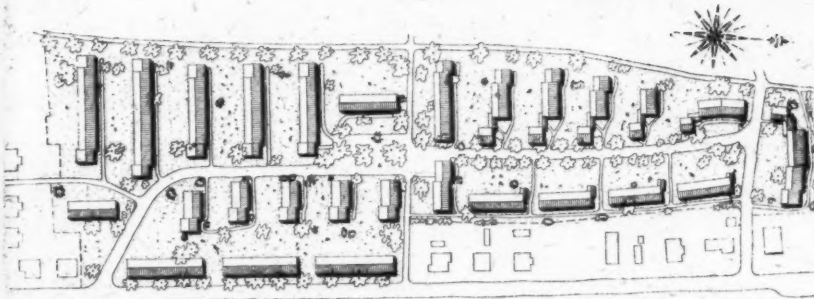
ZINZIKERFELD ESTATE.—Designed by E. Badertscher and E. Bosshard for Co-operative Winterthur. The site, which covers an area of 10.4 acres, rises from east to west. The estate includes 119 1-family terrace houses for large families and 3 blocks of flats with a total of 24 flats. The first three development stages were carried out in 1945 and the remaining two stages will be completed in 1946. The Municipality of Winterthur which supports the scheme financially, has set several useful conditions to assure preference for tenants in low income groups. The total income of tenants must not exceed five times the rent. Dwellings must only be let to families who are rate-payers of Winterthur Municipality or who have resided at least three years in the town. 5-room dwellings are to be let to families with not less than three children and 4-room dwellings to families with not less than two children.

Construction is as follows:—12-in. concrete walls below ground level, and above ground 9-in. brick walls lined internally with 1-in. Perfecta insulation slabs.

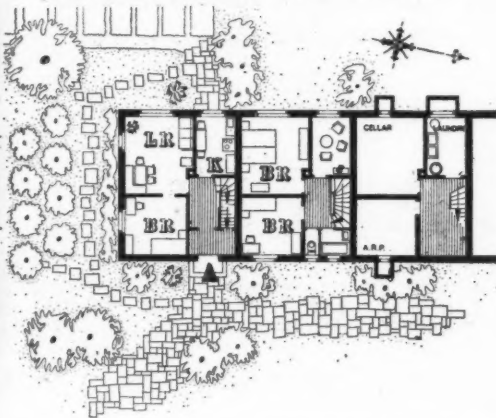
Each kitchen is equipped with an electric cooker, and each utility room with a wash-boiler and sink. Rooms are heated by tiled stoves. An electric boiler supplies hot water. Comfortable and tasteful furnishing has been encouraged by the exhibition of model dwellings displaying not only modern, but also the more conventional furniture often possessed by prospective tenants.

R. ROSNER

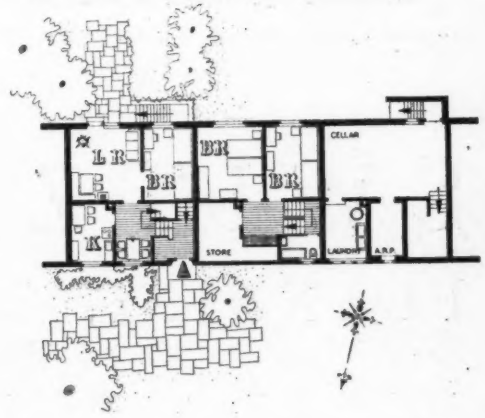
Right, 2-storey attic flats with bedrooms at the gable ends at the Zinzikerfeld estate. Below, layout and typical floor plans.



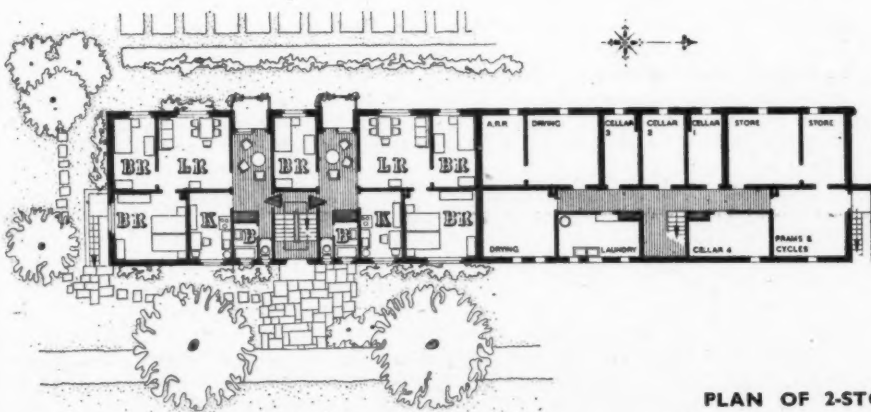
LAYOUT AT ZINZIKERFELD



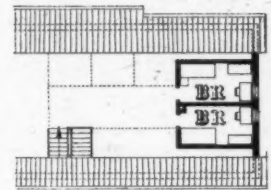
GROUND, FIRST, BASEMENT AND ATTIC FLOORS OF TERRACE HOUSES AT ZINZIKERFELD

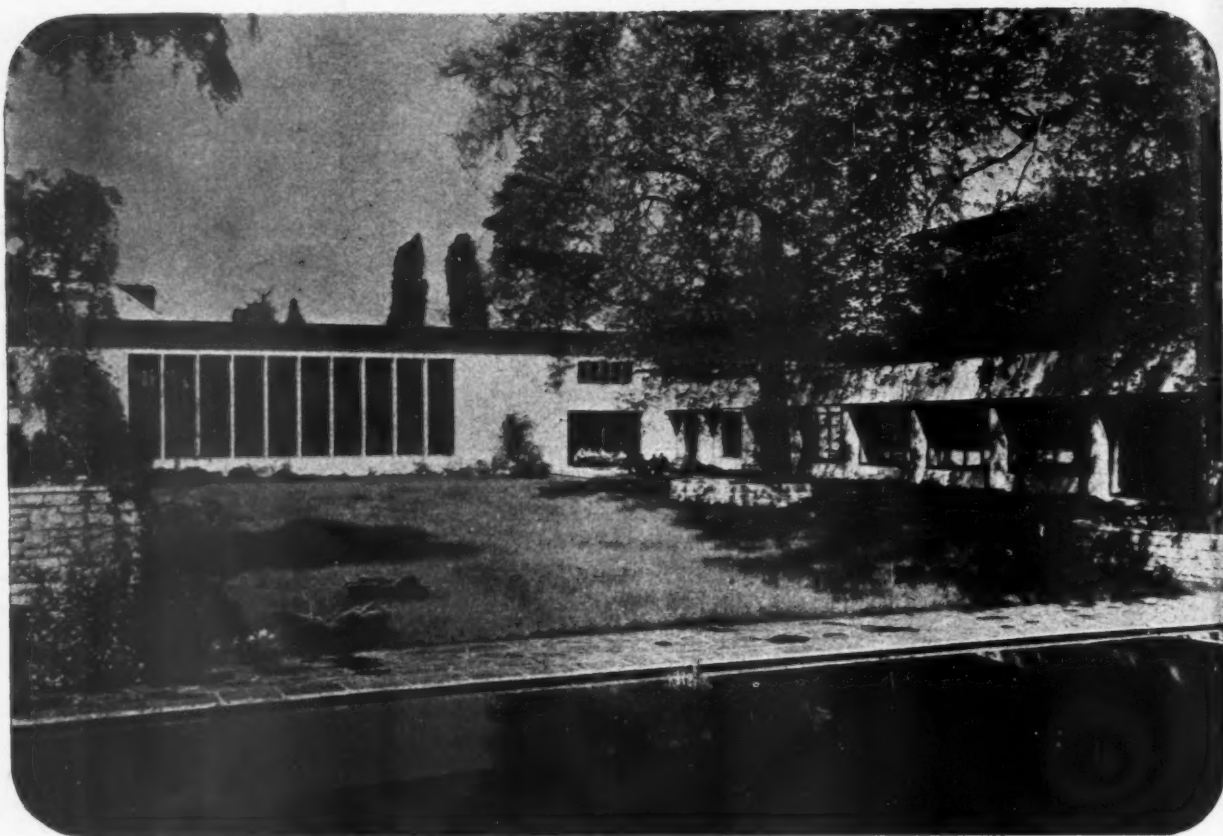


GROUND, FIRST AND BASEMENT FLOORS OF ANOTHER TERRACE TYPE



PLAN OF 2-STOREY FLATS AT ZINZIKERFELD



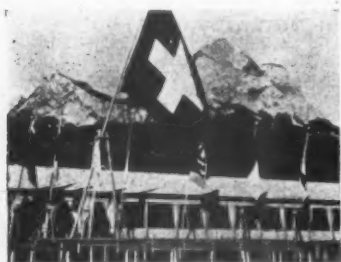


Above, the garden court with water basin at Basle University Extension 1937-39, by R. Rohn. Below, an open-air theatre.

SWITZERLAND

PLANNING AND BUILDING

EXHIBITION AT THE RIBA

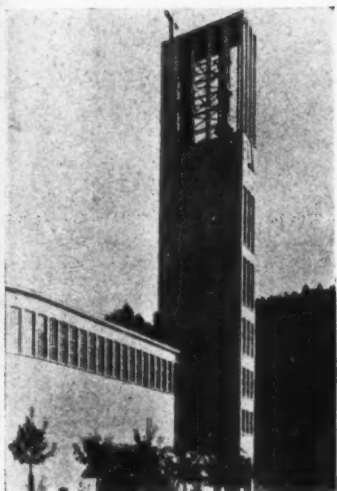
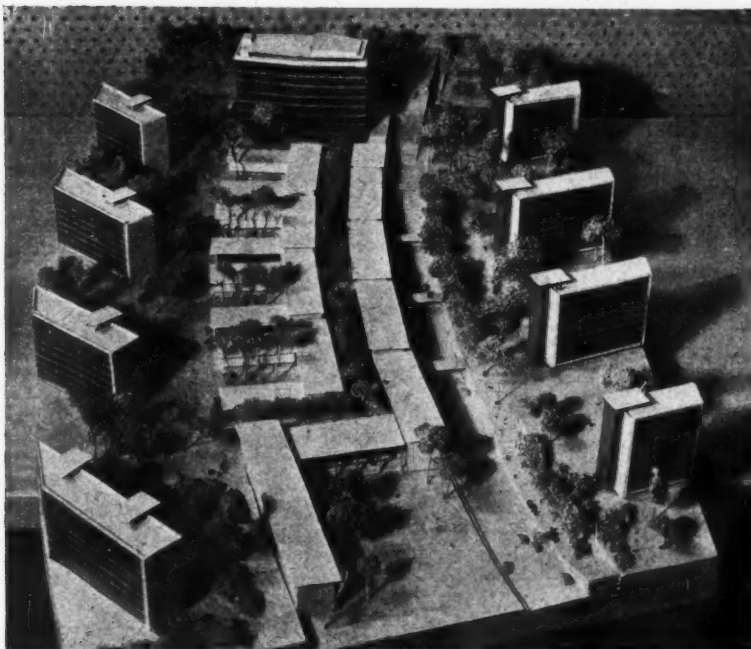


Some of the typical exhibits at the Swiss Exhibition at the RIBA sponsored by the Swiss Government are reproduced here. The exhibition is arranged under the following sections :—

1. *Looking after the babies* : Boarding nurseries, day nurseries, kindergartens. 2. *Looking after the*

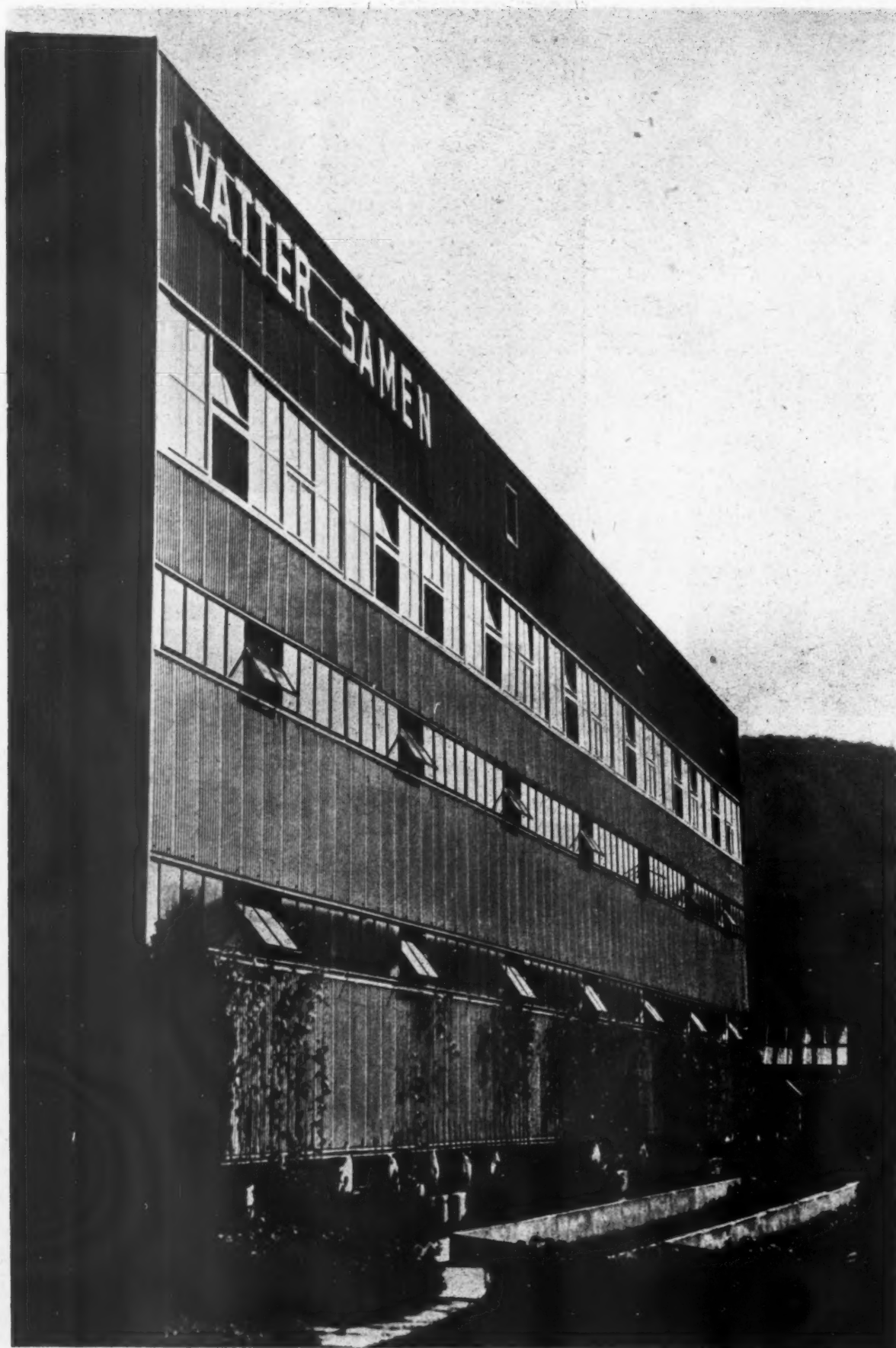
children : Primary and secondary schools, universities, orphanages, holiday youth hostels, boy-scout hostels. 3. *Housing* : Estates of houses, flats, individual houses. 4. *Industry and commerce* : Factories, offices, works, business premises. 5. *Community life* : Churches, church assembly houses, cemeteries, public buildings. 6. *Holidays and sports* : Swimming pools and public baths, sports grounds, mountain and ski huts, hotels and restaurants. 7. *Preservation of natural scenery*. 8. *Tendencies in town and country planning*. 9. *Training of architects*. A handbook of the exhibition has been produced in Switzerland which, apart from illustrations, contains articles by Swiss archi-

tecs and planners on *The Historical Background* (Peter Meyer), *Thoughts on Contemporary Architecture in Switzerland* (Dr. Hans Hofmann), *Introduction to Architecture in French Switzerland* (Pierre Jacquet), *National Planning, Town Planning, and the Preservation of Rural and Urban Beauty in Switzerland* (Conrad D. Furrer), *Co-operative Housing in Switzerland*, *Illustrated by the Example of Zurich in the Years of 1942-1946* (Heinrich Oetiker), *Domestic Architecture in Switzerland* (Max Kopp), *Swiss School Building Today* (Alfred Roth), *Problems of Hospital Building* (Dr. Hermann Fietz), *New Ecclesiastical Architecture in Switzerland* (Hermann Baur).



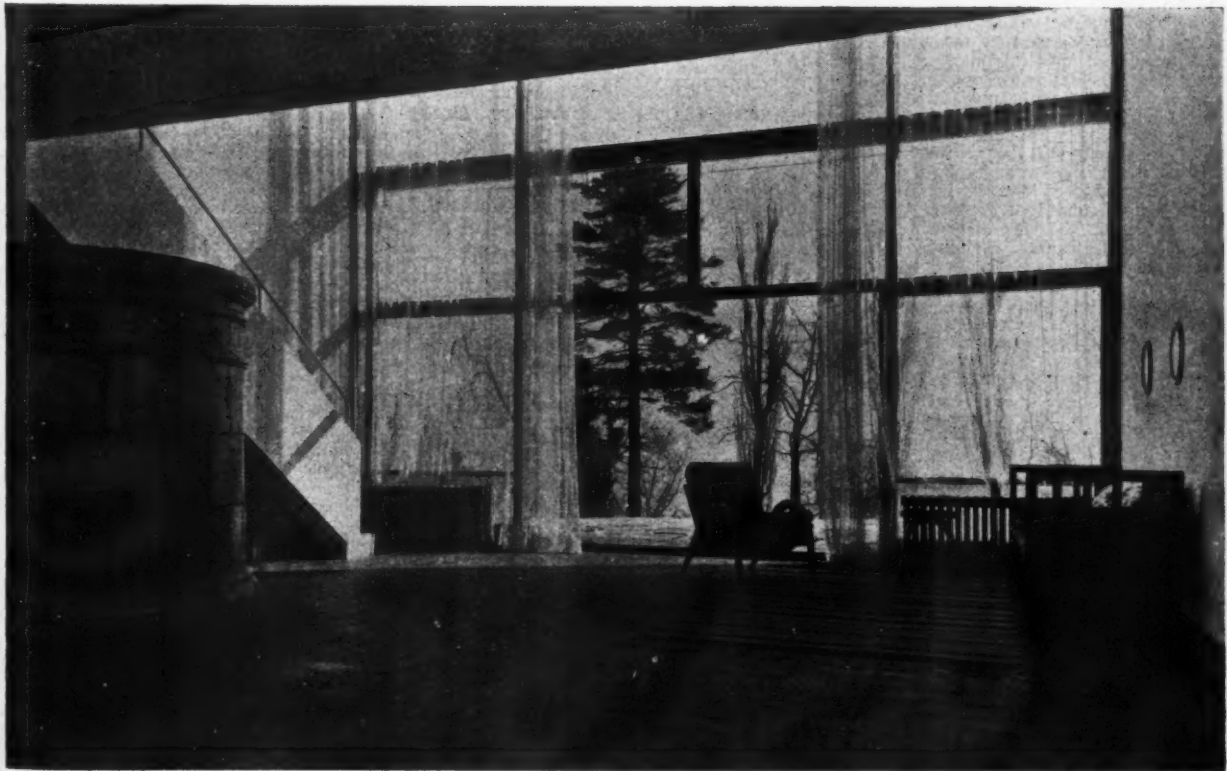
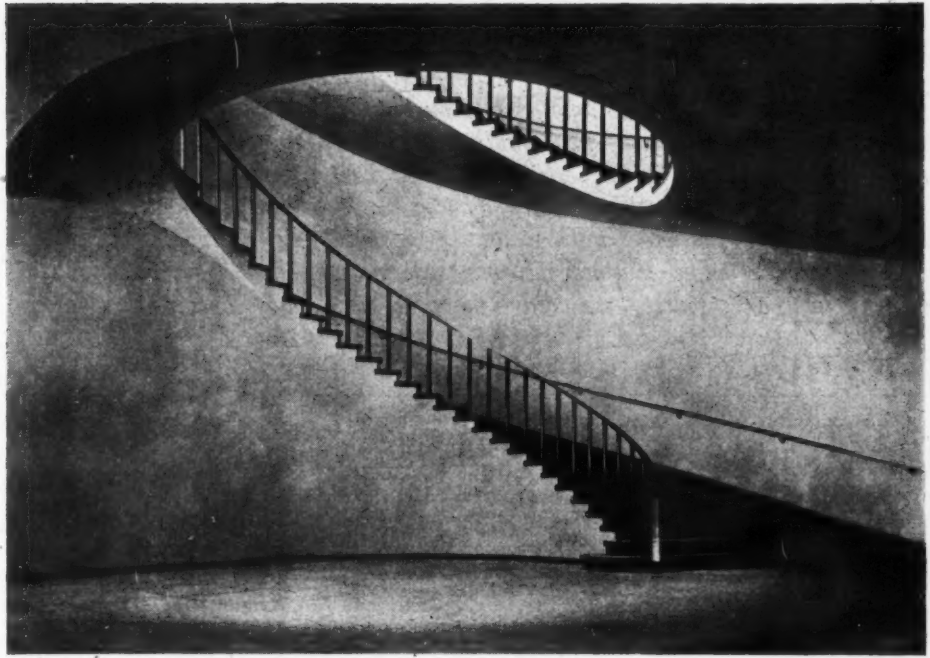
Above, a model of a project by students of the Federal Institute of Technology for the town centre of Zurich. Left, the St. Karl Church, Lucerne, by F. Metzger. Below, model of the Pestalozzi Children's Hamlet for war orphans now in course of construction at Trogen, by H. Fischli; the village will give 350-400 children of various nationalities an opportunity of spending several years in home-like surroundings; the scheme is financed by voluntary donations.





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On facing page, store-house at Koniz near Berne, 1942, by H. Brechbuhler. Right, the main staircase at Basle University Extension, 1937-39, by R. Rohn. Below, the living room in a house at Gerzensee, Berne, by O. and W. Senn.



SWISS PLANNING AND BUILDING EXHIBITION

INFORMATION CENTRE

The function of this feature is to supply an index and a digest of all current developments in planning and building technique throughout the world as recorded in technical publications, and statements of every kind whether official, private or commercial. Items are written by specialists of the highest authority who are not on the permanent staff of the Journal and views expressed are disinterested and objective. The Editors welcome information on all developments from any source, including manufacturers and contractors.

STRUCTURE

2736

Concrete Hutting

THE USE OF STANDARD CONCRETE HUTTING FOR TEMPORARY HOSPITAL BUILDINGS AT IPSWICH. J. B. Storey and A. R. Pearce. (*Journal of the Royal Sanitary Institute*, July, 1946. Vol. LXVI, p. 208.) Construction of 72-bed surgical unit with two operating theatres in standard hutting. Planning and construction problems. Theatres without natural lighting. Fluorescent lighting in wards. Constructional amendments to standard concrete hutting required for temporary hospital use. Possibilities for use of hutting to meet present shortage of accommodation.

A detailed account is given of the planning and construction of this temporary hospital unit, including costs. With 4-in. hollow clay blocks as infilling to hutting panels undue heat loss was not experienced. Floors were 6-in. concrete with granolithic finish, walls finished with gypsum plaster on cement rendering. The authors suggest that this type of hutting has great possibilities for use to meet the present shortage of hospital accommodation, for a life of, say, 10 years. The disadvantages of standard hutting for the purpose are stated, and the account of how they were partially overcome is of interest. Costs for these buildings were fairly low—1s. 10d. a cube foot for the operating block—and 2s. 2d. for the ward blocks, including all services. The work was mainly done by direct labour, and construction was rapid. Other points of interest are the planning of operating theatres entirely without natural lighting, and the use of fluorescent lamps in wards, giving a soft general light of an intensity of about 7.8 lumens per square foot of floor. The initial cost of this lighting was higher than that of a normal installation, but economy in operation is anticipated, together with increased comfort for the patients.

HEATING and Ventilation

2737

Book on Heating

QUESTIONS AND ANSWERS ON HEATING. L. C. C. Rayner. (*George Newnes Ltd.* 1946. 5s. 0d.) Introduction to the subject in the form of question and answer. Intended for students, but useful reference work for others. 46 illustrations.

This small book covers hot-water and steam heating for most types of buildings. There are several useful tables of data, and a section on calculations.

The approach is always the practical one, and the method adopted has enabled a great deal of information to be got into a small space, making the book useful for reference.

2738

Book on Hot Water Supply

QUESTIONS AND ANSWERS ON HOT WATER SUPPLY. L. C. C. Rayner. (*George Newnes Ltd.* 1946. 5s. 0d.) Introduction to the subject in the form of question and answer. Design and installation data for domestic and larger buildings. Much practical information in small compass. 31 illustrations.

This is a companion to two other books in the same series by the same author, on Heating and on Ventilation. As a method of presenting information for quick reference the question and answer technique has much to recommend it. Most types of hot water supply installation are covered in a practical and factual manner. A useful reference work on a subject on which few text-books exist.

2739

Domestic Hot Water Service

CENTRALIZED DOMESTIC HOT WATER SERVICE. B.S. Code of Practice. Draft for Comment. General Series Codes 3.431, 1996. (*British Standards Institution*, 1946. 5s. 0d.) Planning, design, and installation of centralized domestic hot water systems. Tables of hot water supply requirements for houses, flats, schools, hospitals, and other types of building. Stand-by requirements for non-domestic buildings. Routine and performance tests specified in detail. Appended sub-codes cover boilers, calorifiers, storage cylinders and tanks, pipework and fittings, appliances, electric circulating pumps, thermal insulation.

The joint committee convened by the Institutions of Mechanical and of Heating and Ventilating Engineers which drafted this series of codes has done its work thoroughly. The subject is covered in a booklet of 81 pages, with extensive tables of design requirements and data. The main emphasis throughout is on hot water supply systems for the small dwelling house, but requirements for most other types of building are covered in some detail. High standards of performance and workmanship have been set throughout. This series will be a valuable addition to the present somewhat sketchy literature on the subject.

Some may feel that there are dangers in such a detailed code becoming mandatory, as it is probable that it eventually will. It is often argued that the advance of design can be hampered by the existence of such a

document as this. However, even codes of practice can be revised, and there is not the slightest doubt that a code as good as this one is very much better than no code at all, whatever the possible effects on future development.

EQUIPMENT

2740

Electric Refrigerators

INSTALLATION OF VAPOUR COMPRESSION DOMESTIC ELECTRIC REFRIGERATORS. B.S. Code of Practice. Draft for Comment, 1946. General Series Code 3.6443. (*British Standards Institution*, 1s. 0d.) Installation requirements for free-standing and inset machines. Space and weight of standard types. Provision for ventilation. Water and electric supplies.

This code is drafted by a committee convened by the Institution of Electrical Engineers. Tables of standard dimensions and clearances are given, and sketches of recess sizes for inset refrigerators.

MISCELLANEOUS

2741

Farm Buildings

FARM BUILDINGS OF THE FUTURE. John Mackie. (*Farming*, Vol. 1, p. 89. July-August, 1946.) Rapid revision of farming technique requires new types of buildings and layout. Need for hard roads, outside lighting. Housing stock, pigs and poultry. Crop storage. Good implement stores and workshop becoming essential.

After making the important point that new workers to the farming industry will not be attracted to the broken-down, ill-lighted, and badly planned buildings general today, the article reviews modern needs for buildings in the light of a rapidly changing technique. The need for planning to avoid labour wastage is stressed, and two plans for medium sized stock farms on modern lines are given. Covered crop-storage is superseding older methods because it saves double handling and enables dressing to be done under cover in bad weather. The rapid increase in mechanisation makes proper implement storage, with an adequate workshop alongside, an essential requirement on almost every farm.

The author does not suggest how the vast amount of new building required on the farms of this country is to be financed. An industry which has been derelict for half a century has suddenly assumed lasting economic importance, but neither farmers nor landlords are in a position to build anew on the scale required. Tribute is paid to the Ministry of Works Report on Farm Buildings, and the suggestion is made that the new Agricultural Advisory Service should include architectural and planning advice to farmers.

2742

Farm Buildings

FARM BUILDINGS. N. E. B. Elgar. (*Modern Farming*, No. 3, June, 1946, p. 17.) Change of emphasis in farming from labour surplus to need to attract new labour. Bad conditions to-day due to inadequate and out-of-date buildings. Planning for labour economy: loading ramps, good lighting, economy of labour movement, bringing work under cover, hard access

rolled glasses

Technical advance
from the hand-rolled method
to the modern continuous process

Although for centuries glass was mostly hand blown, glassmakers were endeavouring to produce flat sheets by pouring the molten glass on to a table. The main problem was to control the thickness of the glass, for the thicker the glass the less transparent it became.

At the end of the 17th century a system was devised in France and later used in this country, for casting large plates of glass. The molten glass was poured on to a table where, in the words of the author of a *New and Complete Dictionary of Arts and Sciences*, published in 1754, "this matter (molten glass) is confined to certain dimensions by the iron rulers which are movable, retain the fluid matter and determine the width of the glass, while a man with the roller resting on the edge of the iron rulers, reduceth it as it cools to an equal thickness, which is done in the space of a minute."

There we have the beginnings of Rolled Glass. It was obvious that hand-rolling was too cumbersome a method as the demand for glass increased, and enterprising glassmakers commenced to develop rolling machines. In 1847, James Hartley of Sunderland started making what was known as rolled plate, controlling the thickness of the glass down to $\frac{1}{16}$ in. and fluting it or impressing it with patterns cut into the surfaces of the rollers. Pilkingtons made glass of this type under Hartley's Patent, and from this rolled plate process developed cathedral and figured-rolled glass.

the OLD

The first double-rolled machine was introduced about 1870. This enabled both surfaces to be patterned at once, if desired. But whatever improvements were made in rolling glass, the essential work was still done by hand. The molten glass until very recent years, was still ladled by workmen from the furnace to the casting table, as it had been in the 17th century.

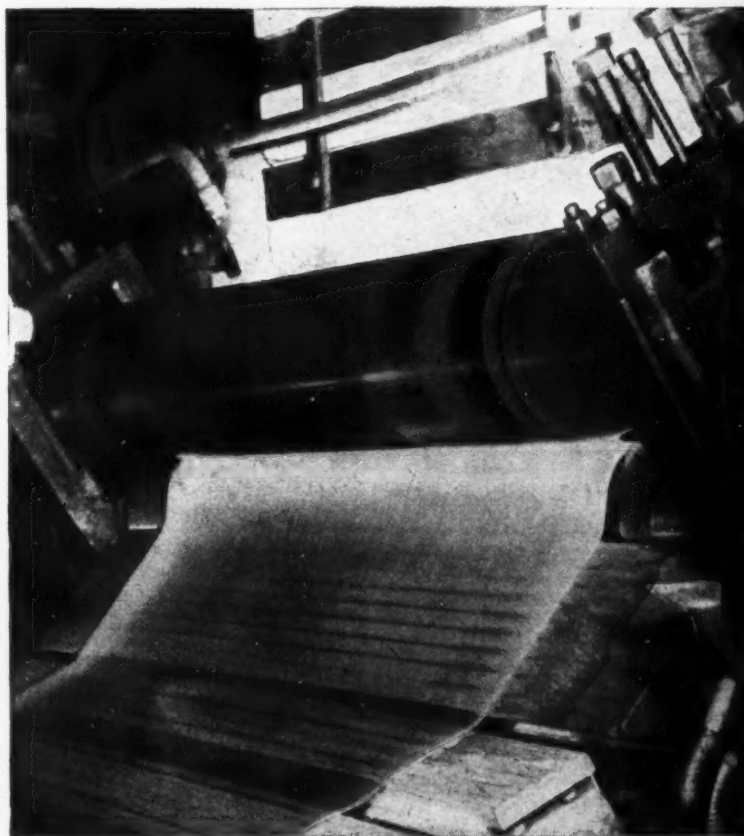


(above)—Ladling the metal in the old hand-rolled process — (below)—A continuous ribbon of glass emerging from between the rollers in the modern Continuous Rolled glass process

and the NEW

In the continuous rolled process employed at St. Helens, the glass is melted and refined in tank furnaces and then passes to one of several different types of machine, according to the sort of rolled glass it is desired to make. Rolled glass up to 100 inches in width is now made by the continuous process. In the manufacture of Rough Cast, both rollers may be without pattern. Occasionally one is imprinted with a shallow disruptive pattern. For Cathedral and Figured Rolled Glasses, one roller has a pattern cut in its surface, which imprints itself on the glass as it is formed. Plain (or Ribbed) Rolled has one surface impressed with the pattern of narrow parallel ribs. Usually the bottom roller is patterned, so that the glass has a smooth face upwards to facilitate cutting. The feature common to all machines making rolled glasses is the formation of the sheet by extrusion between two rollers, mounted parallel to each other, at a distance determined by the thickness of the sheet to be made. The molten glass is directed on to these rollers by allowing it to flow from the tank through a specially designed fire clay spout, the amount being controlled by an adjustable "tweel" (or tile—French "tuile.") This tweel is a clay block which can be lowered into the stream of glass and alters the effective depth of glass flowing to the spout.

The glass flowing on to the backs of the rollers is forced, by their rotation, through the space between them, whence it issues as a continuous ribbon. This sheet, or ribbon of glass, is carried by a driven roller conveyor through a long, horizontal tunnel or lehr. This lehr is heated, and the temperatures along its length are so adjusted that the glass passing through gradually solidifies and cools down. When it emerges from the lehr it is cool enough to be cut off in lengths suitable for transfer to the warehouses.



This is published by PILKINGTON BROTHERS LIMITED, of St. Helens, Lancashire, whose Technical Department is always available for consultation regarding the properties and uses of glass in architecture.

LONDON OFFICE AND SHOWROOMS AT 63 Piccadilly, W.1. Telephone: Regent 4281, where architectural students may get advice and information on all questions relating to the properties of glass and its use in building.



There is a Celotex product which will do—and do well—every job for which building board may be specified. In the chart which follows, the present Celotex range is listed with brief notes on the principal uses of each product. Keep it for future reference and, next time the specification calls for building board, make sure of a good job; use Celotex.

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INSULATING BOARD $\frac{1}{2}$ " THICK

BUILDING BOARD $\frac{3}{16}$ " THICK

UTILITY BOARD $\frac{3}{16}$ " THICK

ACOUSTI-CELOTEX TILES

ROOF INSULATION $\frac{1}{2}$ " THICK

HARDBOARD $\frac{1}{8}$ " & $\frac{3}{16}$ " THICK

MEDIUM HARDBOARD $\frac{1}{4}$ " THICK

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PRINCIPAL USES

Wall and ceiling lining, partitions, floors and roofs, plaster base, thermal insulation, permanent shuttering to concrete, sound insulation, acoustical correction, prevention of condensation, decorative finish.
Sizes 4' wide, 8', 10' and 12' long.

Wall and ceiling lining, partitions and floors, decorative finish.
Sizes 4' wide, 8', 10' and 12' long.

Wall and ceiling lining, partitions and floors, decorative finish. Sizes 4' wide, 8', 10' and 12' long.

Type C3 $\frac{3}{16}$ " thick. Type C4 $\frac{1}{4}$ " thick. Acoustical correction. Sound quietening.
Sizes 6" x 12", 12" x 12" and 12" x 24".

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CURRENT TECHNIQUE

This Section refers briefly to technical aspects of current work of interest. The subject will usually be dealt with later in greater detail.

THERMAL INSULATION

Interesting technique of blowing insulation into wall, floor and roof cavities of existing structures developed in USA by the Johns-Manville Company. The insulating material used is rock wool and holes are cut in the structure to admit the nozzle of the blower. These holes are, of course, sealed off after filling. *Editorial Note.*—This would seem a dangerous technique to encourage except where the design of the structure is really suitable. Otherwise continuity through the wall provided by the insulating material might result in serious damp penetration. Similarly, the possibility of the insulation settling down in the course of time should be guarded against.



roads. Open-air milking on the Hosier system. Finance.

The author is Executive Officer of the Warwickshire WAEC, and this is a short but authoritative review of the effect of changing techniques on farm building requirements. Wherever farmers meet today, buildings are one of the main topics of discussion but, present difficulties apart, finance is the insoluble part of the problem. Output per £100 investment is low in farming by comparison with factory industries, and the industry is incapable of providing new buildings on the scale required by changed techniques.

The Hosier system of bail-milking has undoubtedly come to stay, and its building requirements are discussed. The need for labour economy is now paramount, and the argument that this can only be achieved in replanned and modern buildings is set out convincingly.

PLUMBING and Sanitation

2743 Book on Plumbing

PLUMBING AND GAS-FITTING. Edited by E. Molloy. (George Newnes Ltd. 1946. 15s. 0d.) Text-book for practical craftsmen and building inspectors. Comprehensive, many illustrations.

The first half of the book consists of detailed descriptive sections on actual workmanship, from selection and care of tools to jointing and fixing pipes of all kinds and sheet work in various metals. There follow chapters on sanitation and drainage, cold and hot water supply, and gas-fitting. The

approach in this second part is mainly from the inspection angle.

Books of this type are already numerous, and some of them are very bad indeed. This is much better than most, and contains a great deal of useful information. The treatment of byelaws and water regulations is inadequate, probably on account of space, and the general presentation inclines to be scrappy. A better index is needed.

2744 Book on Sanitation

SANITATION, DRAINAGE AND WATER SUPPLY. G. Eric Mitchell. (George Newnes Ltd., 1946. 12s. 6d.) Revised and enlarged edition of book formerly published as *Modern Sanitary Engineering*. Deals very clearly with sanitation problems of domestic buildings. Good condensed information on damp prevention, and summary of bye-laws controlling water supply and internal plumbing. Excellent illustrations.

The revised title of this well-known book gives a clearer indication of its scope. All aspects of what the publisher's blurb calls Sanitary Science are covered. The main emphasis is naturally on drainage and water supply, but there is an important chapter on damp prevention, in which modern methods of achieving this are effectively summarized with the aid of diagrams. The diagrams throughout are exceptionally good, and equally valuable to the practising architect and the student (it appears that the book was primarily intended for students when it was written).

There are few books covering the whole of this particular field, and this one seems likely to become the standard, replacing earlier works, now largely out of date. It is a companion to the author's earlier

"Model Building Byelaws Illustrated." The chief additions to this new edition are a series of tables of useful data at the end of each chapter, and several new diagrams.

2745 Sewers and Drains

SEWERS AND DRAINS. B.S. Code of Practice. Draft for Comment. General Series Code 3.132, 1946. (British Standards Institution, 2s. 0d.) Draft code for pipe sewers and drains up to 12 in. diameter. Correct usage of different types of pipe. Approved methods of laying, jointing and testing pipes.

An authoritative specification for workmanship on pipe sewers and drains has been needed for a long time. Few text-books deal with this subject adequately, and there has been great variation in practice up and down the country. This code is drafted by a committee convened by the Institution of Municipal and County Engineers, and represents sound modern practice. The detailed descriptions of laying and jointing procedures, and of approved methods of testing completed work, should be of much value.

2746 Sewers and Drains

CONCRETING OF SEWERS AND DRAINS. B.S. Code of Practice. Draft for Comment. General Series Code 3.133, 1946. (British Standards Institution, 1s. 0d.) Concrete supports to pipe sewers and drains. Circumstances in which this is required. Pipes in bad ground. Methods of placing concrete.

There has been a good deal of controversy over the necessity or otherwise of concrete bedding or haunching to drains. The recommendations here generally follow the Ministry of Health requirements for sewer construction. An important point is that concrete is not considered necessary to glazed-ware pipes between 4 ft. and 14 ft. below ground (which covers most domestic drainage work). The code is drafted by the same committee as the code for sewers and drains (see No. 2745).

2747 Sewer Connections

SEWER CONNECTIONS. B.S. Code of Practice. Draft for Comment. General Series Code 3.135, 1946. (British Standards Institution, 1s. 0d.) Connection of drains and private sewers to a public sewer. Information required. Powers of Local Authority. Dealing with large differences in level.

Drain connections to the public sewer are usually a matter for the Local Authority, which normally decides the method to be used, and carries out the work itself. Approved methods are fully described, taking into account the varying circumstances which may arise. A fuller treatment of the complicated legal aspects might have been desirable here, even if these were not felt to be within the normal scope of a code of practice. The code is drafted by the same committee as the code for sewers and drains (see No. 2745).

2748 Relief Sewers

THE DESIGN OF RELIEF SEWERS. W. H. Norris. (Journal of the Royal Sanitary Institute, July, 1946. Vol. LXVI, p. 179.) Flooding in Bedford due to surcharge of sewers by storm water. Theoretical calculations checked by actual flow measurements over long period. Validity of Ministry of Health formulæ demonstrated.

This paper, unlike most on this perpetual

subject of controversy between drainage engineers, is not a mass of abstract mathematics, but a very interesting account of the steps taken to cure serious storm-flooding in Bedford. Relief sewers were constructed, and actual measurements made of the storm flow in the sewers over a period of seven years. As a result it was found that the measured impervious area agreed very closely with the theoretical area given by calculation. Further it was shown that the Ministry of Health Rainfall Committee's formulae of 1930 accurately predict the intensity of storms experienced in the Bedford area.

QUESTIONS

and Answers

THE Information Centre answers any question about architecture, building, or the professions and trades within the building industry. It does so free of charge, and its help is available to any member of the industry. Answers are sent direct to enquirers as soon as they have been prepared. The service is confidential, and in no case is the identity of an enquirer disclosed to a third party. Questions should be sent to: THE ARCHITECTS' JOURNAL, 13, Queen Anne's Gate, Westminster, S.W.1.

2749 Cost of Works Rebuilding

Q In rebuilding "flat houses" under Cost of Works Claim agreed with the War Damage Commission, we have in some cases, when the foundations have had to be removed, had to carry our foundations down to a lower level than existed prior to damage, in order to comply with present-day bye-laws which were not in force when the properties were erected.

The War Damage Commission disputes liability to pay the extra cost entailed and refers us to Practice Notes (Second Series), last para. of Section 7 on page 6.

As the houses stood structurally secure upon foundations prior to suffering damage, and the Local Authority insisted upon the greater depth for the foundations, we feel that the extra cost involved forms part of the proper cost of making good the War Damage, and as such is payable by the War Damage Commission.

We should be glad to have your views.

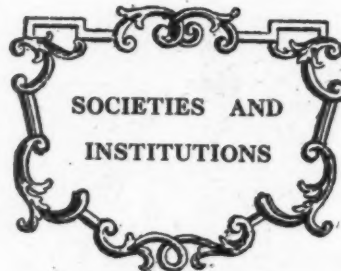
A In our experience the War Damage Commission normally includes the cost of the actual foundations to Local Authority requirements, in their cost of works payments in connection with totally destroyed houses.

This does not appear to be at variance with the Commission's Practice Notes (Second Series). The paragraph referred to in your letter comes under the heading of "The position of claimants desiring to make good with alterations and additions," and as these notes are intended to give guidance in simple language rather than to constitute a formal legal document, it can be assumed that that section is meant to apply to persons who really do desire to make alterations.

It would seem that Section 6 is more applicable as it is headed "The position of claimants desiring to reinstate in the same form," and goes on to refer to "a claimant whose desire is to restore his property as nearly as possible exactly as it was before the damage," which apparently is the precise position of your clients.

The War Damage Commission (and your client) is, of course, governed by the War Damage Acts and not the Practice Notes, but the latter are intended to convey in

simple language, the normal attitude which the Commission may be expected to adopt, and unless there are any unusual factors of which we are unaware, the decision appears to us to be contrary to the spirit of the Practice Notes and contrary to the normal procedure adopted.



Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes trade associations, Government departments, Parliament and professional societies. To economize space the bodies concerned are represented by their initials, but a glossary of abbreviations will be found on the front cover. Except where inverted commas are used, the reports are summaries, and not verbatim.

RIBA

Examinations

THE FINAL EXAMINATION was held in London, Edinburgh and Belfast from the 3rd to 11th July, 1946. Of the 147 candidates examined, 73 passed as follows:—

Passed Whole Examination	20
Ditto subject to approval of Thesis	17
Ditto subject to approval of remaining Testimonies of Study and Thesis	7
Passed Part I only	21
Ditto subject to approval of remaining Testimonies of Study	8

74 candidates were relegated.

The successful candidates are as follows:—

Whole Examination: Adamson, H. E. D.; Burgoine, Peter F.*†; Cheetham, James H.; Dahl, John B. S.*†; Dyer, D. Lewis*; Elliott, Leonard W.; Elliott, R. Foster; Foster, Kenneth E.*†; Fowkes, Eric S.*; Gray, J. Ian S.*; Harris, Maurice H.*; Hill, Christopher B.*; l'Anson, T. Norman; Kenyon, John C.*; Larrington, C. T.; Lewis, W. Stephen*; Litherland, Sydney*†; Loasby, Eric; Lock, William C.; Lomas, Charles A.*; Lovejoy, D. A. W.*†; Matthews, Gordon E.*†; Maw, Geoffrey M.*; Morgan, Robert S.*; Needes, Percival J. (Distinction in Thesis); Noall, Norman, M.*; Oliver, David W.; Owen, W. Glyn; Poore, Michael V. F.*; Pratt, Harold J. C.; Robinson, Benjamin*; Slack, Joseph*; Stafford, R. H. P.; Stewart, Donald R. (Distinction in Thesis);

Thornley, Roy D.; Tingey, Francis J.*; Vincent, Leonard G.*; Warren, Bernard F.*; Weaver, Edward H.*; Whittle, Jack (Distinction in Thesis); Wildgust, Albert; Williams, G. B. A.; Wright, Edward, S.*†; Wyler, Derrick R.

*Subject to approval of Thesis.

†Subject to approval of remaining Testimonies of Study.

Part I only: Adams, E. G. Y.; Bates, S. H.*; Baxter, K. Martin†; Brandreth, G. A. W.; Buchanan, C. D.; Burrows, W. F.; Chandler, E. W.; Corsar, Peter M.; Crockett, Godfrey M.; Elliott, A. C.*; Gaymer, A. D.; Grierson, Colin; Guard, Wilson P.; Herriott, J. Morris; Lang, Geoffrey; Launder, Victor C.*; Lawson, John B.; Lewis, Thomas W.*; Makins, Thomas K.; Melich, Henry; Millner, Geoffrey F.*; Mitchell, Norman B.; Morris, W. Rowland; Pert, Keith G.*; Riley, Eric W.*; Sherwood, Arthur D.; Tallet, Margaret P. (Miss); Watson, Alexander; Watson, Kenneth J. V. †Subject to approval of remaining Testimonies of Study.

THE SPECIAL FINAL EXAMINATION, JULY, 1946, was held in London, Edinburgh and Belfast from 3 to 11 July, 1946. Of the 129 candidates examined, 58 (25 in Part I only) passed as follows:—

Whole Examination: Adamson, Joseph W.; Beard, Philip; Beers, James H.; Blade, Eric A.; Burgis, Norman L. S.; Clark, John A.; Clarke, Joseph E.; Claydon, Bernard; Cunningham, Ronald T.; Davey, Frederick W.; Dawson, Henry D.; Dodds, Kenneth; Dolman, Mowbray; Fleming, Robert S.; Goddard, Frederic W.; Gough, James J.; Hague, John A.; Hands, Stanley J.; Herrmann, F. H. J.; Howorth, John F.; Janes, Eric R.; King, Basil C.; McDonald, G. Gordon; Middleton, Leonard S.; Page, Stanley G.; Parry, Mervyn H.; Passmore, Edward W.; Pritt, Albert; Pyne, H. John E.; Secrett, Michael J. F.; Smith, John; Thomas, E. Trevor; Walters, William J.

Part I only: Armstrong, Thomas; Bidmead, Rowland J.; Brasier, Norman H. F.; Burbidge, Kenneth D.; Chappelle, Reginald T.; Cunningham, William P.; Daniel, Basil J.; Denyer, John H.; Fraser, R. Baird A.; Hempstock, Charles J.; Lockerbie, James N.; McDonald, William; Marsh, Frank H.; Morgan, Emslie A.; Perrett, F. John; Powell, Patrick J. L.; Purcell, D. C.; Sartain, George L.; Sawyer, Peter R.; Turnbull, Denis L.; Van Raat, A. C.; Van der Steen, J. W.; Waller, E. Edward; Weinmann, G. A.; Wright, Charles C.

71 candidates were relegated.

THE EXAMINATION IN PROFESSIONAL PRACTICE FOR STUDENTS OF SCHOOLS OF ARCHITECTURE RECOGNISED FOR EXEMPTION FROM THE RIBA FINAL EXAMINATION was held in London and Edinburgh on the 9th and 11th July, 1946. 11 candidates were examined and passed as follows:—

Aitchison, Robert; Allison, James P.; Connell, Hugh C.; Connor, George S. W.; Fleming, George W.; Fleming, Thomas L.; Giffard, Colin C.; Hardy, Kenneth O. W.; Ritter, Eric E.; Stillman, John C.; Zegleman, Hyam.

RIBA

Released Members

The following members have notified the RIBA that they have been released from the Services and are resuming practice and would like to receive trade catalogues, information sheets and other data.

Edward W. Cowell (A), Messrs. Gotch, Saunders & Surridge, Bank Chambers, Kettering; Will Dootson (L) (late Major, R.E.), Staff Architect to the Saxon Shoe Co.,

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Law Reports

Appeal under the Housing Act, 1936

Miller v. North Witchford RDC. Before Mr. Justice Henn Collins, King's Bench Division.

This was an appeal by Mr. J. P. Miller, a dairyman, of Doddington, Cambridge, for an order, confirmed by the Minister of Health, in favour of the North Witchford Rural District Council, authorizing the acquisition of certain land at Doddington for the purpose of erecting working class houses, under an order of 1936.

The appellant's case was that the land was grass land and that the requirements of the Act had not been complied with. Further, it was submitted that the taking of the land would prejudice the appellant's interests.

On his behalf, Mr. G. D. Squibb contended that if the order were carried out it would

cause him substantial loss, as it would deprive him of pasture land. He also submitted that other suitable land was available. His client's complaint was that he had not been given the opportunity of putting his case further or of making representations to other Government Departments.

On behalf of the Minister of Health, Mr. H. L. Parker submitted that here it was clear the Minister had acted administratively and that even if the appellant had been told of the representations he could not have taken any action in the matter or given any evidence in support of his objection.

His Lordship dismissed the appeal, and said a Minister in such a case as this acted in his administrative capacity and was governed by considerations of expediency only. In this case there was nothing to show that the Minister had not in fact accepted all the appellant had said and notwithstanding that had acted administratively. The Minister had in no way acted contrary to the natural justice in the matter before him.

Announcements

The Royal Sanitary Institute will hold their 1947 Health Congress at Torquay, from June 2 to 6, at the invitation of the Corporation. Earl Fortescue, Lord Lieutenant of the County of Devon, will be President of the Congress.

Mr. L. De Syllas, A.R.I.B.A., took up the appointment of Architect & Planning Officer to the Government of Barbados as from March this year. He would be pleased to receive manufacturers' trade catalogues on all equipment and building products available for the colonial export market, particularly with reference to electrical fittings, plastic and ironmongery hardware, general panel finishing products for internal use and any materials suitable for tropical buildings.

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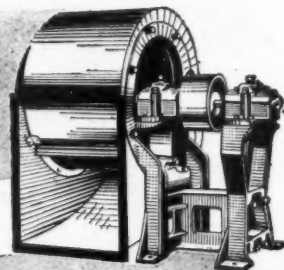
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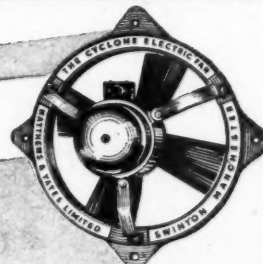
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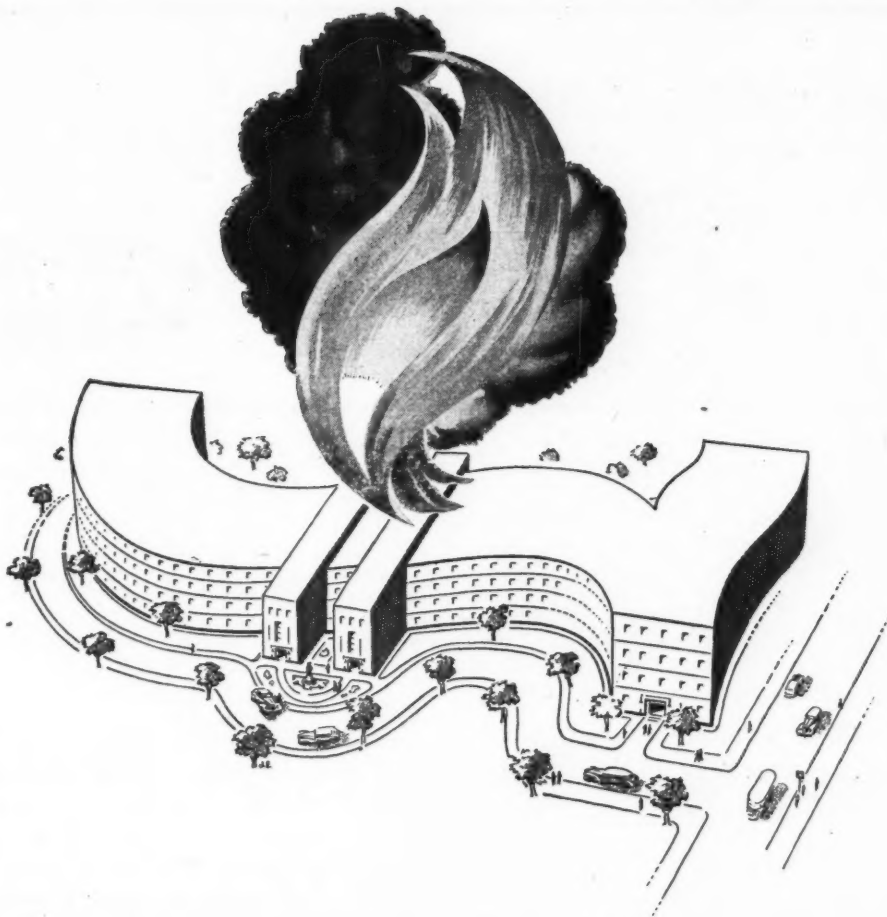


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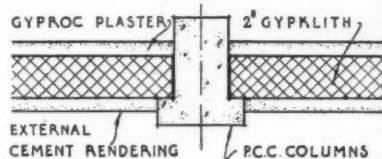
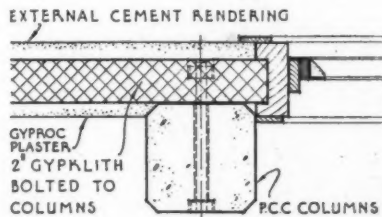
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GYPKLITH APPLICATIONS



In this form of wall construction, 2 inch Gypklith slabs are set between concrete columns (*photos 1 and 2*), rendered on the outside with a water repellent cement and plastered internally with gypsum plaster.

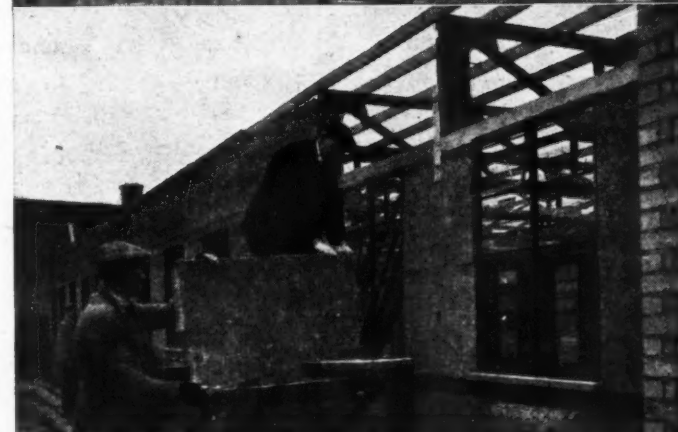
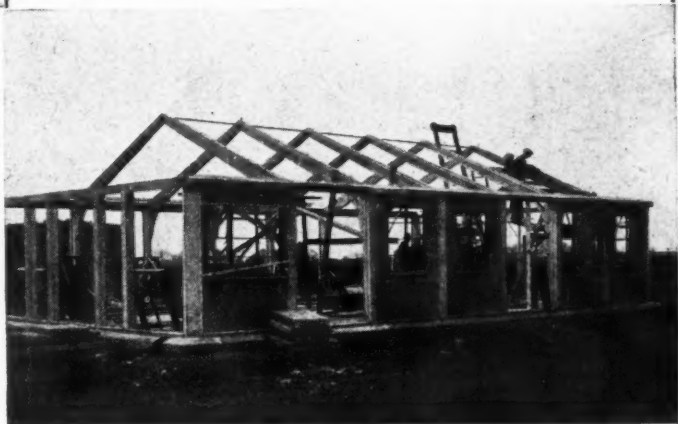
The thermal transmittance "U" value of the finished wall is 0.19, which compares favourably with authoritative recommended standards.

A variation of this form of construction (*shown in the bottom photograph*) is to bolt the Gypklith slabs to the external face of the concrete columns and render them to give a flush finish to the outside of the building.



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SLABS**

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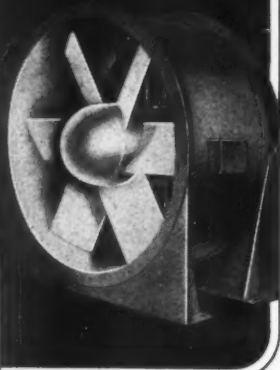
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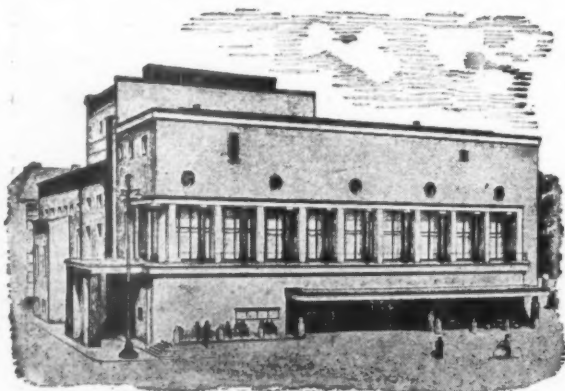
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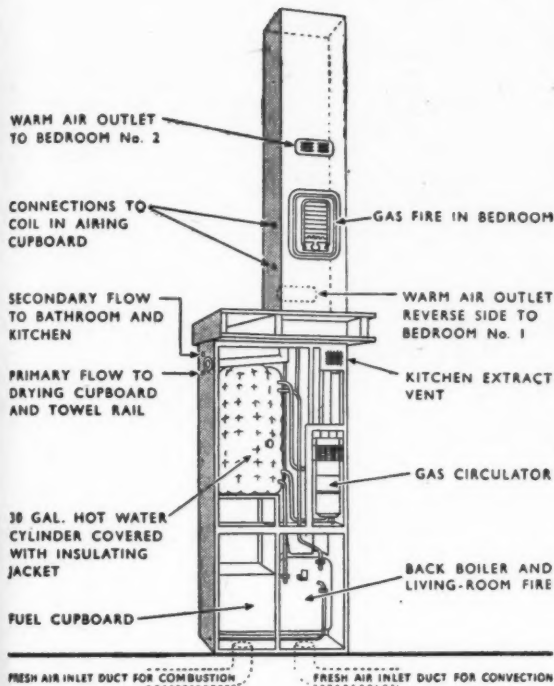


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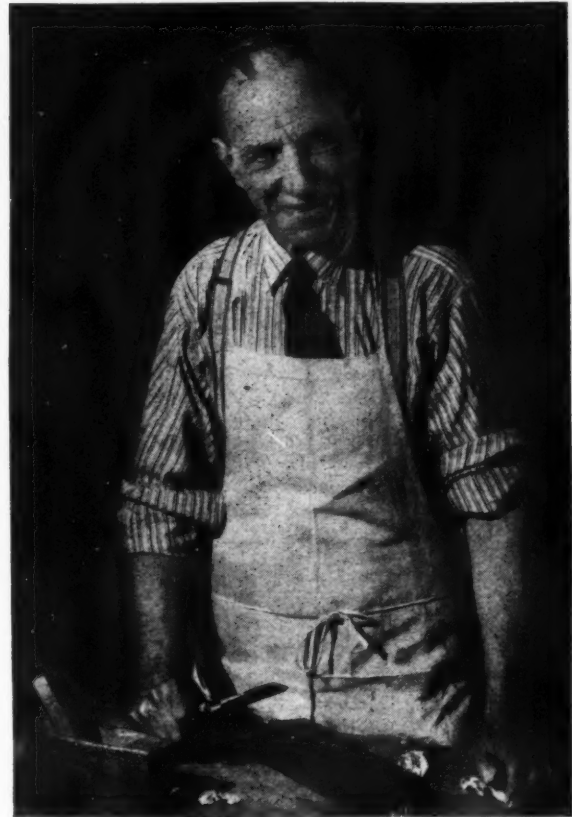
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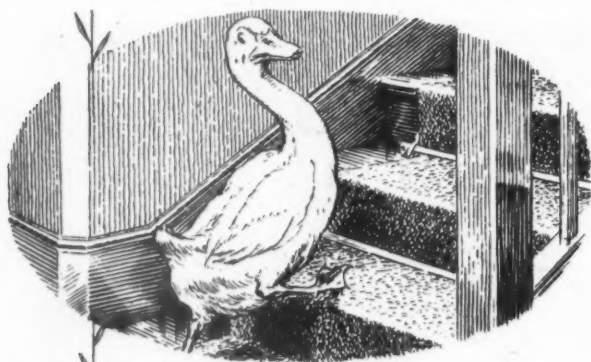
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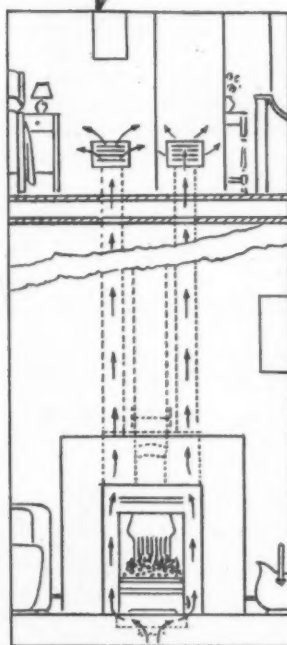
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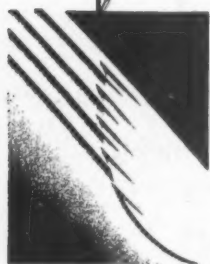
and in My Lady's Chamber . . .



My Lady has thought rather ill of her Chamber during the winter. It may be, she feels, a garlanded bower when the warm sun shines, but during the long frost last January . . . Brrr!

In the circumstances, we are telling my Lady—by means of our advertisements in the current issues of "Country Life", "The Listener", "The Economist", etc.—of the advantages of installing an Eagle Convactor Grate. This will provide a cheerful blaze for her living room and—at the same time, for the same quantity of fuel—send a continuous flow of warm air up to those formerly arctic regions, the bedroom, bathroom and landings.

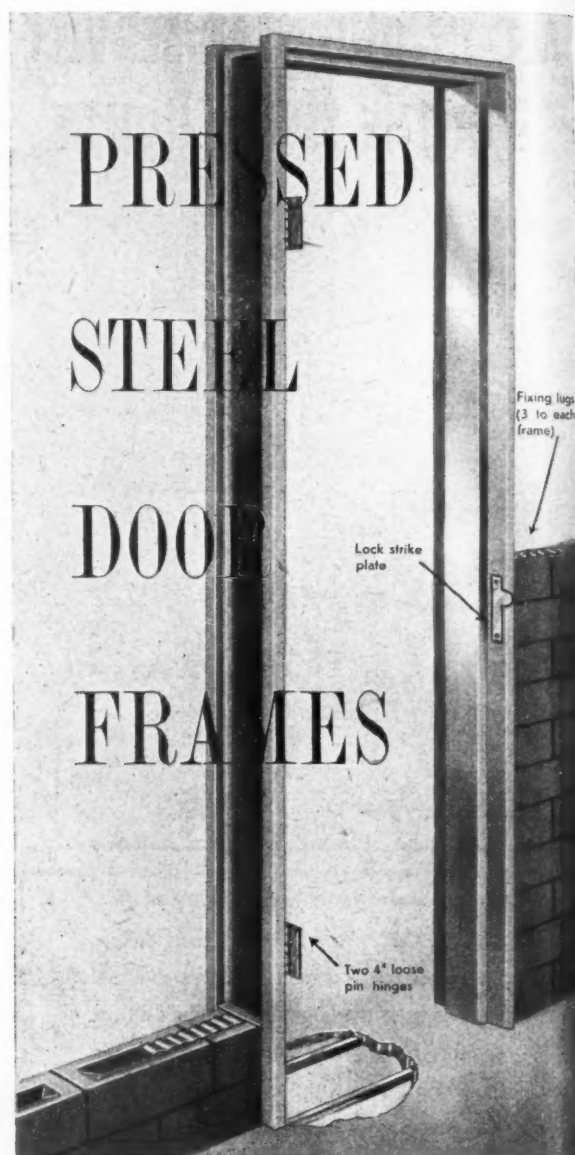
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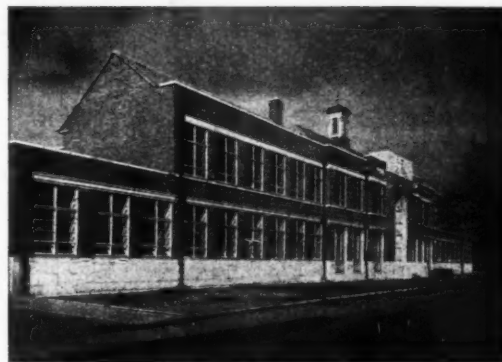
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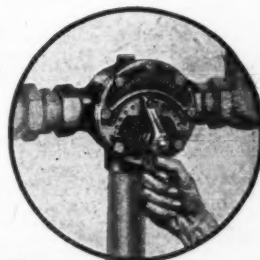
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Replies to Box Numbers should be addressed care of "The Architects' Journal," War Address: 45 The Avenue, Cheam, Surrey.

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

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: 75, EATON PLACE, LONDON, S.W.1. TEL.: SLOANE 5615. 994

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(c) Working up, etc., in connection with domestic buildings and general working up (junior).

(d) Measurement of roads and sewers and housing work on cottage estates, preparation of interim and final bills on Schedules.

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(b) Similar work in connection with schools and hospitals.

(c) The preparation of estimates and specifications for works of cleaning and painting, repairs and minor alterations at schools and hospitals.

(d) Assistants to district surveyors. A knowledge of the London Building Acts and by-laws is necessary for these positions.

(e) Junior drawing office assistants for general drawing office work. Should be able to finish plans from rough drawings, take dimensions and make sketches. Pay, according to age and experience, up to 65s. a week, plus cost-of-living addition.

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Except as otherwise shown, salaries for the above positions will be determined by qualifications and experience up to a maximum of £420 a year, together with cost-of-living additions up to £20 a year, according to basic salary. Salary up to £500 for certain positions of heating engineer and building surveyor. Successful candidates will be engaged on a temporary basis, but will be eligible for appointment, according to merits, for permanent appointment on the occurrence of vacancies. Temporary staff are required to contribute to the Council's Superannuation and Provident Fund.

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The appointment is subject to the usual Civil Service conditions as to pension, holidays, etc. If the successful applicant is a pensionable official of a local authority, the Local Government and Civil Service (Superannuation) Rules, 1936, will apply.

Candidates must be between the ages of 35 and 50 on 1st September, 1946, must be members of the R.I.B.A. and the T.P.I., and must have extensive experience of housing (with particular reference to layout, design, and the new forms of construction) and of town and country planning.

Forms of application, with further particulars of the appointment, may be obtained from the Establishment Officer (Room 31), Department of Health for Scotland, St. Andrew's House, Edinburgh, 1, and must be returned to him not later than the 31st October, 1946.

Those candidates who appear best qualified will be required to attend a Selection Board in Edinburgh or London. 827

BOROUGH OF ROYAL LEAMINGTON SPA.

DEPARTMENT OF DIRECTOR OF HOUSING.

APPOINTMENT OF JUNIOR ASSISTANT ARCHITECT.

Applications are invited for the above appointment, at a basic salary of £255, rising by annual increments of £15 to £300, plus cost-of-living bonus, at present approximately £60 per annum.

The appointment will be on the unestablished staff of the Corporation, terminable by one month's notice on either side.

Candidates should be experienced in the preparing of working drawings and details, particularly in relation to housing.

Applications, together with copies of not more than two testimonials, must be submitted before 12 noon on Wednesday, the 2nd October, 1946, enclosed "Assistant Architect."

H. FEDESKI, A.R.I.B.A., Dip.T.P., A.M.T.P.I., Director of Housing.

Town Hall Annex, 3, Regent Grove, Leamington Spa, 12th September, 1946. 972

CITY AND COUNTY OF KINGSTON-UPON-HULL.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited from qualified persons for the whole-time permanent appointment of ASSISTANT QUANTITY SURVEYOR.

The salary will be on A.P.T. Grade III (commencing at £390, and rising by annual increments of £15 to a maximum of £435, plus cost-of-living bonus, which is at present £59 19s. 3d. per annum).

The appointment will be subject to the Local Government Superannuation Act; to one month's notice on either side, and to the successful candidate passing a medical examination. Application forms, obtainable from the undersigned, should be sent in completed, together with copies of three recent testimonials, on or before 7th October, 1946.

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

ANDREW RANKINE, A.R.I.B.A., City Architect. Guildhall, Kingston-upon-Hull. 995

METROPOLITAN BOROUGH OF BETHNAL GREEN.

APPOINTMENT OF ARCHITECTURAL ASSISTANT (TEMPORARY STAFF).

Applications are invited for the appointment of Architectural Assistant (Temporary Staff), in the Borough Engineer and Surveyor's Department, for work in connection with Post-War Housing.

Candidates must have had wide experience in the preparation of designs, working drawings, specifications, and estimates. Preference will be given to Associate Members of the R.I.B.A., fully conversant with the principal Building Acts and Regulations.

Salary in accordance with A.P.T. Division, Grade V of the National Scales of Salaries, £460, rising to £510 per annum (plus London "weighting," at present £20 per annum), plus cost-of-living bonus, at present 23s. per week.

Applications, stating age, qualifications and experience, with copies of three testimonials, endorsed "Architectural Assistant," must reach the Borough Engineer and Surveyor, Town Hall, Bethnal Green, E.2, before noon on Friday, the 4th October, 1946.

S. P. FERDINANDO, Town Clerk. 984

OXFORDSHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

Appointment of:-

- (a) ONE SENIOR PLANNING ASSISTANT.
- (b) ONE PLANNING ASSISTANT.
- (c) ONE JUNIOR ASSISTANT.

Applications are invited for the above-mentioned appointments, in the County Planning Department of the County Council. The Council have adopted the National Joint Council's Scale of Salaries.

For appointment (a) the salary will be according to Grade V of the Administrative, Professional and Technical Division, £460 per annum, rising by three annual increments to £510 per annum, plus bonus.

Applicants should have had wide experience of all aspects of statutory planning, the control of interim development, preparation of basic surveys and statutory planning schemes, and should have passed the final examination of the Town Planning Institute. Any additional professional qualification will be an advantage.

For appointment (b) the salary will be according to Grade III of the same Division, £390 per annum, rising by three annual increments to £435 per annum, plus bonus.

Applicants should have had similar but less responsible experience to that required for appointment (a). Candidates should at least be studying for the examination of the Town Planning Institute, and preference will be given to those who have passed the final examination. Any other qualification will be considered an advantage.

For appointment (c) the salary will be according to Grade I of the same Division, £330 per annum, rising by three annual increments to £375 per annum, plus bonus.

Applicants should be neat and expeditious draughtsmen. Preference will be given to those having previous experience in a planning office and who have knowledge of surveying and levelling.

All these appointments will be superannuable, and the successful candidates will be required to pass a medical examination.

Applicants for appointments (a) and (b) will be required to provide a car for use in connection with their official duties, for which travelling expenses on the Council's Scale will be allowed.

Applications, stating age, qualifications and details of experience, accompanied by copies of three recent testimonials, and with the envelope clearly marked with the appointment for which the application is made, should be forwarded to the County Planning Officer, County Hall, Oxford, not later than Saturday, the 19th October, 1946.

F. G. SCOTT,

Clerk of the Council.

County Hall, Oxford. 971

HERTFORDSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

APPOINTMENT OF ASSISTANT ARCHITECTS.

Applications are invited for the following appointments to the permanent staff, in accordance with the National Scales:-

(a) SENIOR ASSISTANT ARCHITECT (ONE). Salary £575-£650 per annum (Scale VII).

(b) ASSISTANT ARCHITECTS (TWO). Salary £460-£510 per annum (Scale V).

(c) JUNIOR ASSISTANT ARCHITECTS (TWO). Salary £360-£405 per annum (Scale II).

A cost-of-living bonus, at present £59 16s. per annum, is to be added to the salary in each case.

The commencing salary for each of the appointments will depend on the qualifications of the applicant, and be at the discretion of the appointing Committee.

Candidates for each post must be members of the R.I.B.A., and in the case of (c) applications will be entertained from candidates who have been successful in passing the Intermediate examination of the R.I.B.A. Applications are welcome from architects with a lively intelligence and a contemporary outlook.

Candidates for (a) must provide and maintain a motor car, in respect of which a car allowance will be paid on a scale approved by the County Council from time to time.

Applications, stating age, training, experience and qualifications, together with three references, should reach the undersigned not later than 4th October, 1946.

Applications from ex-Servicemen and those now in the Forces will be welcomed, and in the latter category the position with regard to demobilisation should be stated.

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

Canvassing will be a disqualification.

ELTON LONGMORE,

Clerk of the County Council.

County Hall, Hertford, Herts. 990

CORPORATION OF LONDON.

CITY SURVEYOR'S OFFICE.

APPOINTMENT OF TECHNICAL STAFF.

Applications are invited for the following appointments, in the City Surveyor's Office:—

- (a) ARCHITECTURAL ASSISTANTS. Salary £450, inclusive of consolidated bonus.
(b) ARCHITECTURAL ASSISTANTS. Salary £350, inclusive of consolidated bonus.

Applicants for appointments (a) should either have qualified or be about to qualify for Associate Membership of the Royal Institute of British Architects or Associate Membership of the Royal Institution of Chartered Surveyors (Building sub-division).
Applicants for the appointment (b) should be students of the Royal Institute of British Architects or probationers of the Royal Institution of Chartered Surveyors (Building sub-division).

Both grades of appointment are for the present on a temporary basis, and will be concerned principally with the reinstatement of war damage to a variety of types of properties. There will be a possibility of establishment for suitable men, and temporary service will count for the purpose of superannuation. Such appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and applicants will be required to pass a medical examination.

Previous experience with a Municipal Body is not essential.

Applications, endorsed "Technical Staff," to be made to George Holliday, F.S.I., The City Surveyor, 55-61, Moorgate, E.C.2, giving the following particulars:—War service, age, qualifications or intentions in connection therewith, previous training, positions and experience, date when available to commence duties if selected, together with copies of two testimonials. 979

BOROUGH OF WALTHAMSTOW.

BOROUGH ARCHITECT'S DEPARTMENT.

PLANNING ASSISTANT.

Applications are invited for the appointment of Planning Assistant. Salary (Grade I), £350—£415—£395 per annum.

Cost-of-living bonus, at present £59 19s. 3d. per annum, will be payable in addition to the salary. The appointment is on the permanent staff, and is subject to the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination. The appointment will be in accordance with the National Joint Council's conditions of service, and will be terminable by one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must reach the undersigned, endorsed, not later than Saturday, 5th October, 1946.

Canvassing in any form will be deemed a disqualification, and applicants must disclose any relationship to any member or official of the Council.

G. A. BLAKELEY,

Town Clerk.

Town Hall, Walthamstow, E.17.

13th September, 1946.

996

NEATH RURAL DISTRICT COUNCIL.

APPOINTMENT OF TWO ENGINEERING ASSISTANTS.

Applications are invited for the appointment of two Engineering Assistants, in the Engineer and Surveyor's Department, as follows:—

- (a) Engineering Assistant, at a salary in accordance with A.P.T., Grade V, of the National Scale, commencing at £460 per annum and rising to £510 per annum.
(b) Engineering Assistant, at a salary in accordance with A.P.T., Grade IV, of the National Scale, commencing at £420 per annum and rising to £465 per annum.

Candidates for appointment (a) must have had considerable experience in the design and construction of Sewerage and water schemes, and those for appointment (b) must have had experience in general Engineering Work, and in particular in the layout and preparation of housing sites and all services connected therewith.

Candidates for both appointments should possess one of the appropriate qualifications stipulated in the scheme of Conditions of Service issued by the National Joint Council for Local Authorities, Administrative, Professional, Technical and Clerical Services.

The current cost-of-living bonus will be paid in addition to the above salaries, and the appointments will be subject to the Council's Superannuation Scheme, and successful candidates will be required to pass a medical examination.

Applications, endorsed "Engineering Assistant" (a) (b), stating full particulars of experience, age, and qualifications, accompanied by three recent testimonials, should be sent to the undersigned not later than the 9th October, 1946.

T. D. WINDSOR WILLIAMS,

Clerk of the Council.

8, New Street, Neath.

997

CORNWALL COUNTY COUNCIL.

Applications are invited for the appointment of ASSISTANT QUANTITY SURVEYOR, on the Established Staff of the County Architect's Department, at a commencing salary of £360, rising, subject to satisfactory service, by annual increments of £15 to £405, on Grade II, recommended by the National Joint Council, plus war bonus, at present £59 16s.

Candidates will be required to prepare estimates, bills of quantities, and measure work and adjust variations on contracts.

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

Forms of application may be obtained from the County Architect, County Hall, Truro, to whom applications must be sent, not later than Saturday, the 12th October, 1946, accompanied by copies of three recent testimonials.

E. T. VERGER,

Deputy Clerk of the County Council.

County Hall, Truro.

11th September, 1946.

501

HALTEMPRICE URBAN DISTRICT COUNCIL.

ENGINEER'S DEPARTMENT.

Applications are invited from qualified persons for the undermentioned posts, on the permanent staff of the above Council.

ARCHITECTURAL ASSISTANT. £375—£25—£450. Applicants must have a good general knowledge of and experience in architectural work, of which Housing experience is essential.

JUNIOR ARCHITECTURAL ASSISTANT. £300—£25—£375. Applicants must have a sound knowledge of and training in architectural work. Cost-of-living bonus (at present £59 16s. per annum, males) will be paid in addition to the above salaries.

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

Forms of application, obtainable from the Engineer, Anlaby House, Anlaby, East Yorkshire, should be returned to the undersigned not later than Friday, 11th October, 1946. Canvassing, directly or indirectly, will disqualify applicants.

A. B. GLASSPOOL,

Clerk of the Council.

Anlaby House, Anlaby, E. Yorks.

510

BRIERFIELD URBAN DISTRICT COUNCIL.

Appointment of:—

- (a) ARCHITECTURAL ASSISTANT.
(b) CLERK OF WORKS (HOUSING SCHEMES).

The above Council is prepared to receive applications for the position of Temporary Architectural Assistant, in the Surveyor's Department, at a salary of £330—£15—£375 per annum, plus war bonus, £59 16s. Preference will be given to candidates holding a diploma in architecture.

Applications are also invited for the position of Full-time Clerk of Works, at a wage of £7 per week.

Applications, stating age, qualifications and experience, accompanied by copies of two recent testimonials, enclosed in sealed envelope, endorsed (a) "Architectural Assistant," or (b) "Clerk of Works," must be delivered to the undersigned not later than first post on Wednesday, 2nd October, 1946.

H. L. SMITH,

Clerk to the Council.

Town Hall, Brierfield, Lancs.

18th September, 1946.

509

CITY OF BATH.

CITY ENGINEER'S DEPARTMENT, BATH.

SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Senior Architectural Assistant, in the architectural section of the City Engineer's Department, at a salary of £460, rising to £510 p.a., plus war bonus, at present £59 16s. p.a.

Applicants should be Registered Architects and Associates of the R.I.B.A., and preference will be given to applicants trained at a recognized school of architecture, and with good experience of architectural design and construction, particularly of housing estates and other work undertaken by a Local Authority.

The appointment is subject to the provision of the Local Government Superannuation Act, and the candidate appointed will be required to pass a medical examination.

Applications, giving particulars of age, education, qualifications and experience, and accompanied by copies of two recent testimonials, should be endorsed "Senior Architectural Assistant," and must be addressed to the City Engineer, Guildhall, Bath.

Last date for receiving applications, Monday, 14th October, 1946.

J. BASIL OGDEN,

Town Clerk.

Guildhall, Bath.

18th September, 1946.

502

COUNTY BOROUGH OF WALLASEY.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited by the 7th October, 1946, for the appointment of Architectural Assistant, at a salary of £330—£15—£375 per annum, plus bonus, at present £59 19s. 3d.

Particulars and form of application are obtainable from the Borough Surveyor, Town Hall, Wallasey.

EMRYS EVANS,

Town Clerk.

507

MINERS' WELFARE COMMISSION.

Applications are invited for appointments in London (or Ashted, Surrey, temporarily), and in Glasgow (or Edinburgh), Newcastle-upon-Tyne, Manchester, Sheffield, Nottingham, Cardiff.

- (i) ARCHITECTURAL ASSISTANTS, Grade II(a), £340×£20—£430; ARCHITECTURAL ASSISTANTS, Grade II(b), £250×£18—£340.
(ii) QUANTITY SURVEYORS (London only), £260×£25—£900.

- (iii) ASSISTANT QUANTITY SURVEYORS, £400×£25—£650.
(iv) TECHNICAL ASSISTANT, Grade I, £350×£18—£500; TECHNICAL ASSISTANTS, Grade II, £175×£18—£350.

Plus war bonus consolidated addition of £78 and £105 p.a.

In category (i) preference will be given to applicants who are Student Members of the R.I.B.A.

In category (ii) preference will be given to applicants who are members of the R.I.C.S., experienced in the preparation of Bills of Quantities and approximate estimates, and who have had considerable experience in a professional Quantity Surveyor's office.

In category (iii) preference will be given to applicants who are Professional Associates of the R.I.C.S., able to prepare Bills of Quantities, approximate estimates and final accounts, and to write specifications and reports.

In category (iv) preference will be given to applicants who are experienced "workers up" and/or able to prepare estimates of small works and take measurements on site.

Staff Pension Scheme after one year's satisfactory service.

Applications on forms obtainable from Miners' Welfare Commission, Ashlev Court, Ashted, Surrey (telephone Ashted 3262).

504

BOROUGH OF NELSON.

Applications are invited for the appointment of SECOND ARCHITECTURAL ASSISTANT, in the Borough Surveyor's Department, at a salary in accordance with Grade III of the National Scale, £390—£15—£435, plus cost-of-living bonus, at present £59 16s. per annum.

Candidates should have had experience in housing and general work. Applications, giving detailed particulars of experience and qualifications, endorsed "Architectural Assistant," with copies of three recent testimonials, to be delivered to the Town Clerk, Town Hall, Nelson, Lancashire, on or before Saturday, 12th October, 1946.

F. W. ROBERTS,

Town Clerk.

Town Hall, Nelson, Lancashire.

18th September, 1946.

511

Tenders

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

FLANSHAW HOUSING ESTATE—EXTENSION.

70 HOUSES IN FOAMED-SLAG CONSTRUCTION.

All-trade tenders are invited for the erection of 54 type "C" and 16 type "F" Houses, to be constructed in foamed-slag concrete *in situ*.

Detail plans may be inspected at the office of the City Engineer and Surveyor, Town Hall, Wakefield, from whom copies of the 3 in. Scale plans, Specification, Bills of Quantities, Conditions of Contract and Form of Tender may be obtained, on and after Monday, the 30th September, 1946, on payment of a deposit of £2 2s., which will be returned only on receipt of a *bona-fide* tender.

Sealed Tenders, on the official Tender Form, together with priced Bills of Quantities separately sealed, must be placed in the envelopes provided, endorsed "Tender for Foamed-Slag Houses," and must reach the undersigned not later than 12 noon on Saturday, the 19th October, 1946.

The Corporation do not bind themselves to accept the lowest or any Tender, and the acceptance of any Tender is subject to the approval of the Minister of Health.

W. S. DES FORGES,

Town Clerk.

Town Hall, Wakefield.

17th September, 1946.

506

Architectural Appointments Vacant

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

Wherever possible prospective employers are urged to give in their advertisements full information about the duty and responsibilities involved, the location of the office, and the salary offered. The inclusion of the Advertiser's name in lieu of a box number is welcomed.

WANTED, by a Railway Civil Engineer's Office in Edinburgh, **TEMPORARY ARCHITECTURAL ASSISTANTS**; capable of preparing working drawings from rough sketches, estimating, and supervising works in progress; state age, qualifications, and salary expected. Apply Box 919.

EXPERIENCED ARCHITECTURAL ASSISTANT required for Brighton Office; state age, experience, and salary required. Box 923.

JUNIOR DRAUGHTSMEN required in Manchester Office; should be good draughtsmen, with sound knowledge of general construction, and competent in the preparation of sketch plans and working drawings under supervision; salary £250 per annum (plus war bonus of £73); successful candidates will be required to pass a medical examination for entry into compulsory Superannuation Scheme. Applications, stating educational qualifications, experience, and age, with copies only of testimonials, to Box 926.

ASSISTANT QUANTITY SURVEYOR required in Manchester Office; should be experienced in preparing Bills of Quantities, measuring work, and adjusting variations on Contracts and estimating; salary up to £400 per annum, according to qualifications (plus war bonus of £73), with good prospects of promotion. Also a **JUNIOR QUANTITY SURVEYOR**, able to take-off sub-trades, salary £250 per annum (plus war bonus of £73); successful candidates will be required to pass a medical examination for entry into compulsory Superannuation Scheme. Applications, stating age, qualifications, and experience, with copies only of testimonials, to Box 927.

ARCHITECTURAL ASSISTANT, for small modern office, East Anglia; pleasant conditions. Full particulars and salary required to Box 937.

ARCHITECTURAL ASSISTANT required by firm with extensive practice in Kent and London; sound knowledge of building construction, specifications, pricing, W.D. and compensation claims essential; the post offers an excellent opportunity for the right man. Apply, stating age and full details of past experience, qualifications, and salary. Box 929.

ASSISTANT ARCHITECTS required in Manchester Office; should be experienced in commercial and industrial work, good draughtsmen, with sound knowledge of general construction; salary up to £400 per annum, according to qualifications (plus war bonus of £73); good prospects of promotion for competent assistants; successful candidates will be required to pass a medical examination for entry into compulsory Superannuation Scheme. Applications, stating educational qualifications, experience and age, with copies only of testimonials, to Box 940.

JUNIOR (16-17 years) urgently required in private practice engaged on housing and industrial work; good experience and prospects; previous experience an advantage, but not essential. Clark, L.R.I.B.A., 44, Gt. Russell Street, W.C.1. Museum 4400. 570

BUILDING SURVEYOR'S JUNIOR ASSISTANT; to prepare specifications, check builders' accounts, supervise small jobs; London area; would suit young draftsman with knowledge of building trade. Write, stating experience and salary required, to Box 978.

KEEN JUNIOR ASSISTANT wanted for working drawings, details, surveys, etc.; commercial work; £4 upwards, according to ability. Watson & Johnson, Victoria Square, Birmingham. 985

SENIOR ASSISTANT required for varied practice in Manchester, including housing, schools and industrial work; ex-Serviceman preferred; state salary required and qualifications. Box 987.

JUNIOR QUANTITY SURVEYOR required; capable and experienced worker up, able to take off small works and prepare detailed specifications; knowledge of property valuations, schedules of dilapidations, etc., would be an advantage; a progressive appointment for suitable applicant; salary commencing at about £300, according to experience and ability. Full details to Naylor, Sale & Widdows, St. Mary's Gate, Derby. 990

TECHNICAL ASSISTANT required for Architects' Journal Library of Information Sheets; applications are invited for appointment of Technical Assistant; applicants must be first-class draughtsmen, possess a sound knowledge of building practice, and be interested in the preparation of technical data; salary £300 to £500 per annum, according to qualifications and experience; applications may be made by members of H.M. Forces expecting demobilisation by October, 1946. The Technical Editor, The Architectural Press, Ltd., 45, The Avenue, Chiswick, Surrey. 108

ARCHITECTURAL ASSISTANTS required by the C.W.S. Architects' dept., London; salary £320-£450 p.a., according to qualifications, plus war bonus, at present £74 p.a.; superannuation scheme. Apply Chief Architect, C.W.S., Ltd., 99, Leman Street, London, E.1. 992

TWO JUNIOR ARCHITECTURAL ASSISTANTS required for progressive positions in the Architects' Department of a large chain store organisation; age preferred 19-25. Please write in confidence to Staff Manager, "R" Department, British Home Stores, Ltd., Abbey House, Baker Street, London, N.W.1. 993

ARCHITECTURAL ASSISTANT, experienced in taking charge of housing and flat development schemes, conversions, schedules of dilapidations and war damage repairs, wanted for busy office in N.W.3; must be reliable and accurate worker; excellent prospects for keen man. Write, stating age, qualifications, salary required, and when available, to Box 986.

EXPERIENCED ARCHITECTURAL DRAUGHTSMAN required; must have thorough knowledge of building construction and be capable of preparing detailed working drawings and specifications from sketch designs for large commercial and industrial buildings; knowledge of estimating and preparing of bills of quantities an advantage. Write, stating age, qualifications, and full details of experience; salary according to experience. Box 503.

ARCHITECTURAL ASSISTANT required, with all-round office experience. Write, stating age, qualifications and salary required, to Harold S. Hall, F.R.I.B.A., 26, South St. Mary's Gate, Grimsby. 505

Architectural Appointments Wanted

Advertisements from Architectural Assistants and Students seeking positions in Architects' offices will be printed in "The Architects' Journal" free of charge until further notice.

SENIOR ASSISTANT ARCHITECT, L.R.I.B.A., 37, desires change to position of permanent nature on the coast; one leading to a partnership preferred, but not essential if good prospects offered; able to take control of jobs, and responsibility and hard work welcomed; wide experience in all types of offices in London and provinces for 21 years; commencing salary, £500 p.a. or near. Box 101.

ARCHITECTURAL ASSISTANT, Inter. R.I.B.A., desires post with a firm of London Architects; 6 years' office experience in industrial design, surveys, working drawings, etc.; some domestic experience; salary £390 to £410 p.a. Box 107.

CHIEF ARCHITECTURAL ASSISTANT requires progressive position; 15 years' varied experience; now in complete charge of architect's dept. Box 109.

YOUNG LADY (18½), left school July, seeks position in Architect's Office, preferably in Warrington, Chester, or Liverpool districts, for a year or two prior to entering a university; has studied art to higher school certificate standard. Reply W. Smith, 50, The Rock, Frodsham, Warrington. 110

STUDENT, R.I.B.A., age 22, seeks position with Architects in London; 5 years' office experience, mainly housing, including field and property surveys, and schedules of dilapidation. Apply Box 111.

YOUNG LADY (17½), probationer R.I.B.A., studying for Inter. R.I.B.A., just completed first year full time arch. course, desires position as Junior in progressive Architect's Office in London or South Essex. Box 112.

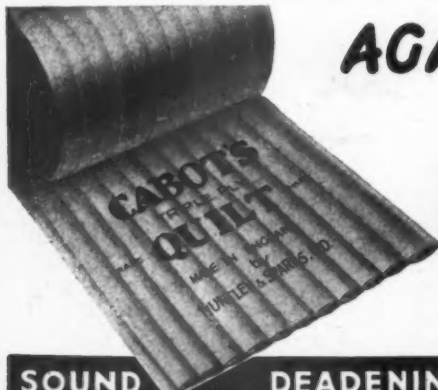
EXPERIENCED ARCHITECTURAL ASSISTANT; advanced knowledge of building construction; accurate and detailed surveys; excellent draughtsmanship; knowledge of materials, specifications, quantities; 3 years' varied office experience; state salary and duties. Box 113.

QUANTITY SURVEYOR STUDENT; passed Inter. C.S.I. (except "typical"); excellent knowledge survey work, building construction, specifications, and draughtsmanship; office experience; free one month; state salary. Box 114.

EXPERIENCED ESTIMATOR requires position, in or nearest County of Durham; young, energetic; qualified A.M.I.E.T., L.I.O.B.; used to working on own initiative. Reply, stating salary offered, Box 115.

ARCHITECTURAL appointment required; Midlands; executive and supervisory duties, with scope for initiative; able designer; success recent competition; Associate. Box 116.

ARCHITECTURAL ASSISTANT (SENIOR), 35, 12 years' experience planning, detailing and supervision, cinemas, hospitals, schools, factories, office buildings, local authority and private housing, requires situation with new or re-establishing London firm building-up staff; salary £500 p.a. Box 95.



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SOUND DEADENING • THERMAL INSULATION • ACOUSTICAL WORK

YOUTH, leaving Technical College and School of Art, requires vacancy in Quantity Surveyor's Office, in the London area; salary £6 weekly. Mayson, Beechcroft, Southend Road, Wickford, Essex. 118

Other Appointments Vacant

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

ARCHITECT requires Shorthand-Typist; an interesting progressive job for one wishing to work in this profession; W.C. district. Box 985.

Other Appointments Wanted

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

FREE October 1st.—Representative, combining sound design, experience decorative metals, plastics, etc., with live connection architects and important builders and shopfitters; Midlands preferred. Box 106.

QUANTITY SURVEYOR desires spare-time commissions for the preparation of detailed Bills of Quantities, Estimates, etc., from plans and specifications; co-operative basis with architects welcomed. Box 889.

MECHANICAL ENGINEER / DESIGNER; wide industrial experience; offers part-time assistance to Architect, in London area, engaged on prefabrication or industrial design. Box 508.

PERSPECTIVES executed in any medium. Box 991.

A.R.I.B.A., A.M.T.P.I., offers assistance to other Architects from own home; excellent designer, housing, commercial, war damages, etc. Box 981.

PERSPECTIVES, Sketch Plans, and other drawing office work carried out by first-class draughtsman. Box 982.

PERSPECTIVES IN WATER COLOUR.—A.R.I.B.A., Dip. Arch., ex-Service, offers services to Architects for perspective work; own studio; charges by arrangement. Box 998.

PERSPECTIVES, Pencil, and other medium executed well and quickly. Box 999.

SOUTHERN AREA.—Reports and Surveys of property efficiently and promptly carried out by Qualified Architect; own transport arranged; fees by arrangement. Box 1000.

For Sale

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

DUMPY LEVEL, with tripod and 14 ft. staff; makers, Troughton & Simms; 14 ft. screw, with compass, long bubble and short case bubble; complete with accessories, in mahogany case; offers over £30. Box 988.

Miscellaneous

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

J. BINNS, LTD., specialists in the supply and fixing of all types of fencing, tubular guard rail, factory partitions and gates. 53, St. Marlborough St., W.I. Gerrard 4223-4224-4225.

J. BAYNES, LTD., established over 100 years. Heating, Ventilating and Sanitary Engineers, 99/107, St. Paul's Road, N.I. Canonbury 2061-3.

FENCING AND GATES of every type, supplied and erected. Specialists in chain link. Boulton & Paul, Limited, Norwich.

INVESTMENT TRUST wishes to purchase PROPERTY LET to good tenants. Details of Houses, Flats or Shops to John Swait & Sons, Surveyors, The Mall, W.5. EAL 2866 804

WANTED.—One set of "Arts Et Matiers Graphiques." Please reply to Box 5.

"CAN I HELP YOU?" I have on my staff Architectural and Civil Engineering draughtsmen, Building, Estimating, Land, Measuring and Quantity Surveyors. Write C. F. Rumble, 70/81, Whitehall, S.W.1. Tel.: Whitehall 8514.

WANTED.—Complete set of "Typography." Box 487.

DUPLICATING.—Specifications, etc., expertly duplicated or typewritten; good service; moderate fees; recommended. Miss Stone, 109, Jermyn Street, S.W.1. Whitehall 9682. 955

CENTRAL HEATING OIL BURNERS.—Insist on the British-made Parwinc—no stoking, clean, trouble free; no waiting for coal or coke deliveries; no embargo now. Write at once to Parker, Winder & Achurch, Ltd., Makers, 80, Broad Street, Birmingham, 1. 992

SHORTHAND in one week; test lesson, 3d. Duttons (A3), 92, Gt. Russell Street, W.C.1. 656

WANTED.—"Architectural Reviews," any copies for years 1938, 1939, 1940, 1941; will pay high price for copies in good condition. Box 989.

WANTED.—March, 1946, number of "Architectural Review." Write, stating price, to Edwards, 10a, Rawlinson Road, Oxford. 117

Educational Announcements

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

R.I.B.A. QUALIFYING EXAMINATIONS. Mr. C. W. Box, F.R.I.B.A., M.R.San.I. Courses of Correspondence and Personal to Studio. 115, Gower St., London, W.C.1. (Tel.: Euston 3906).

R.I.B.A. and T.P. INST. EXAMS. Private Courses of Tuition by correspondence arranged by Mr. L. Stuart Stanley, M.A., F.R.I.B.A., M.T.P.I. Tutor, 213, Euston Road, N.W.1. Tel.: EUS. 7760.

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and Quantities	Construction Draughtsmanship
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Structural Steelwork	
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