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JOURNAL

JAN 27 1949
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standard contents

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

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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill Avenue, Berkhamstead, Herts.	"Dyneley,"
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Welbeck 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. School of Architecture, Manchester Municipal School of Art, All Saints, Manchester, 15.	Ardwick 3480
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
AScW	Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Welbeck 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 8641/6
BCC	British Colour Council. 28, Sackville Street, W.1.	Regent 3613
BCCF	British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 25, Victoria Street, S.W.1.	Abbey 5422-3
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGC	British Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holborn 8146/7
CAS	County Architects Society. C/o A. Guy Chant, F.R.I.B.A. Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett Herts.	Radlett 5616
CIAD	Central Institute of Art and Design. 41, 42, Dover Street, W.1.	Regent 3074
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderal, 7, Zurich, Switzerland	Whitehall 6322
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.	Kensington 8161
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W. Sloane 4280	Sloane 4280
CUJC	Coal Utilization Joint Council. 13, Grosvenor Gardens, London, S.W.1.	Victoria 1534
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	Temple Bar 1951
FASSC	Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, Nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 27, Grosvenor 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

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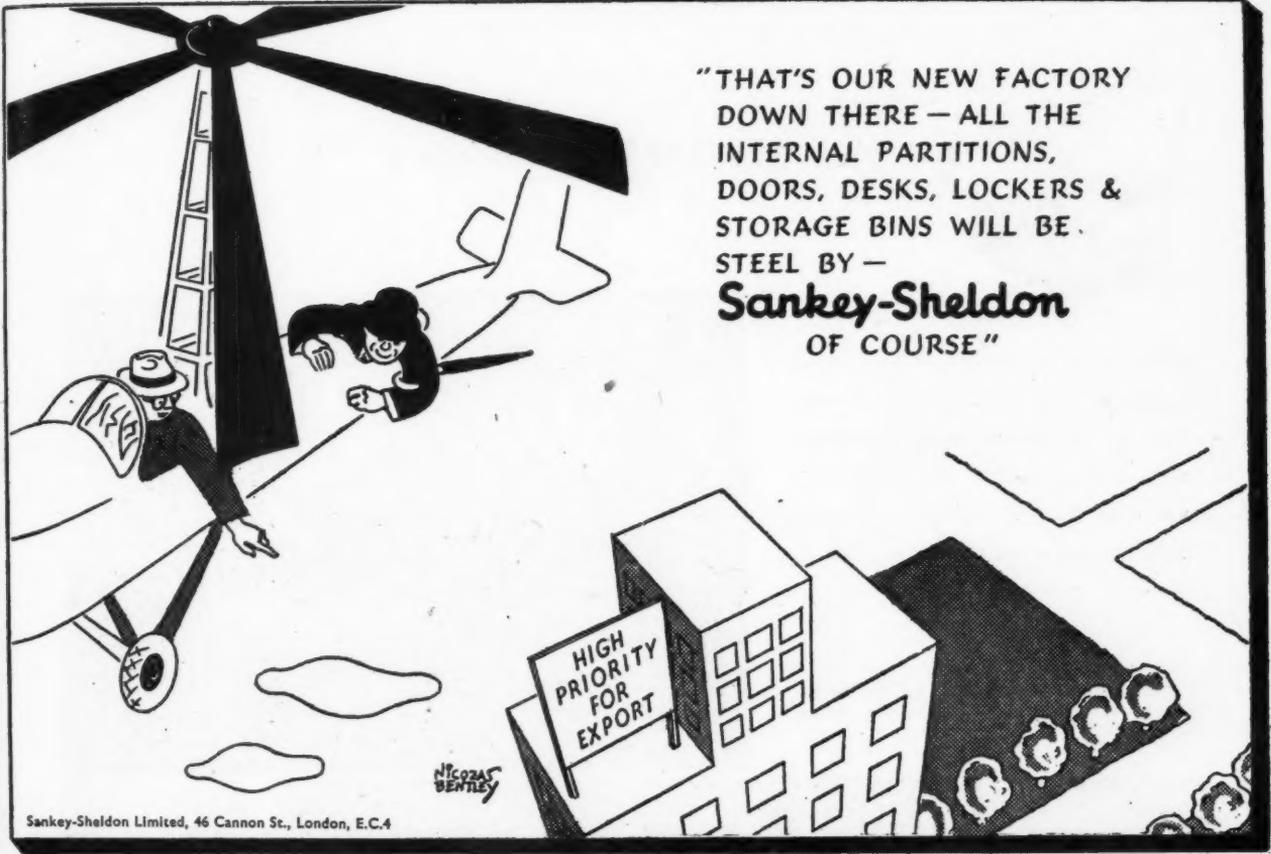
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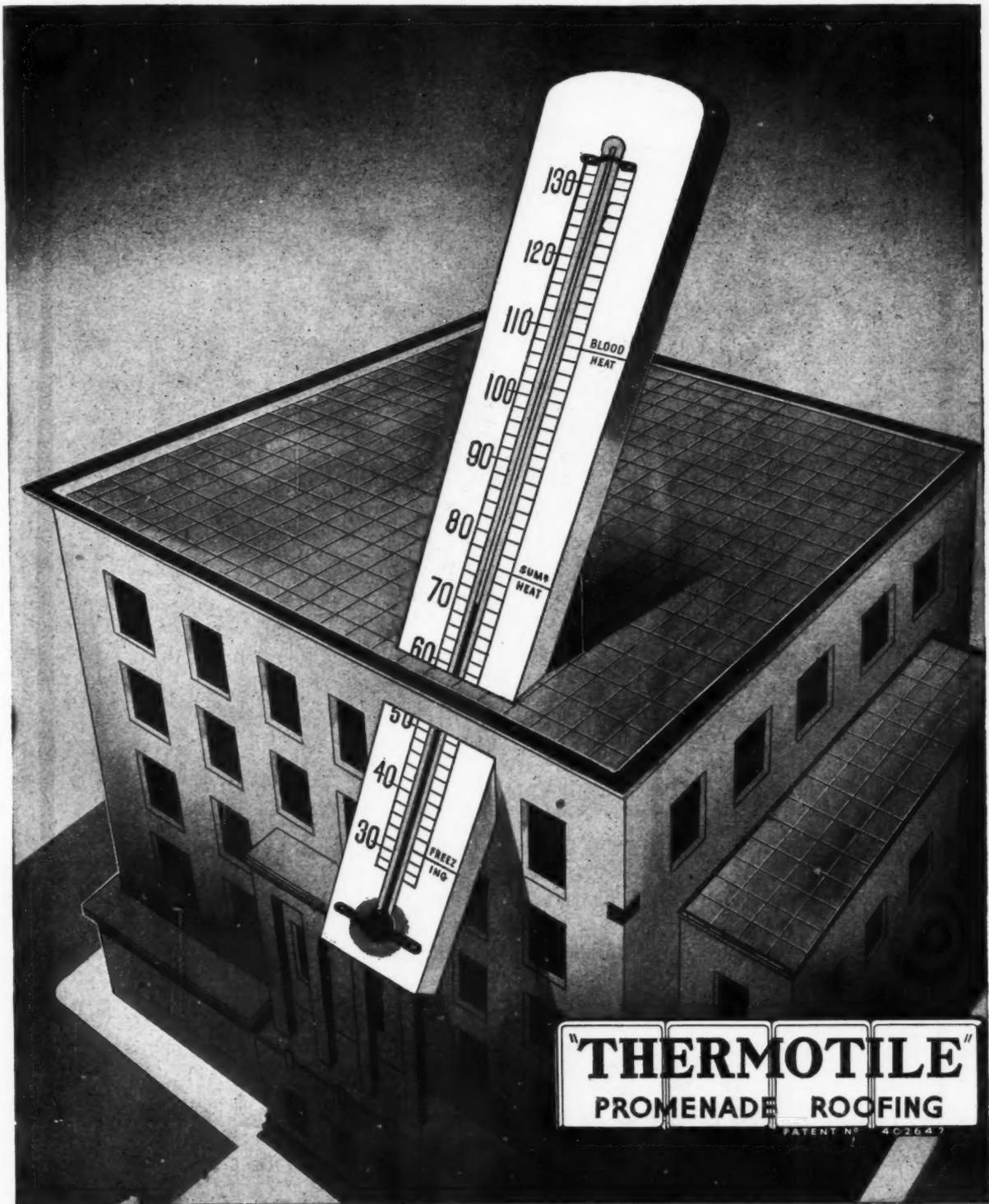


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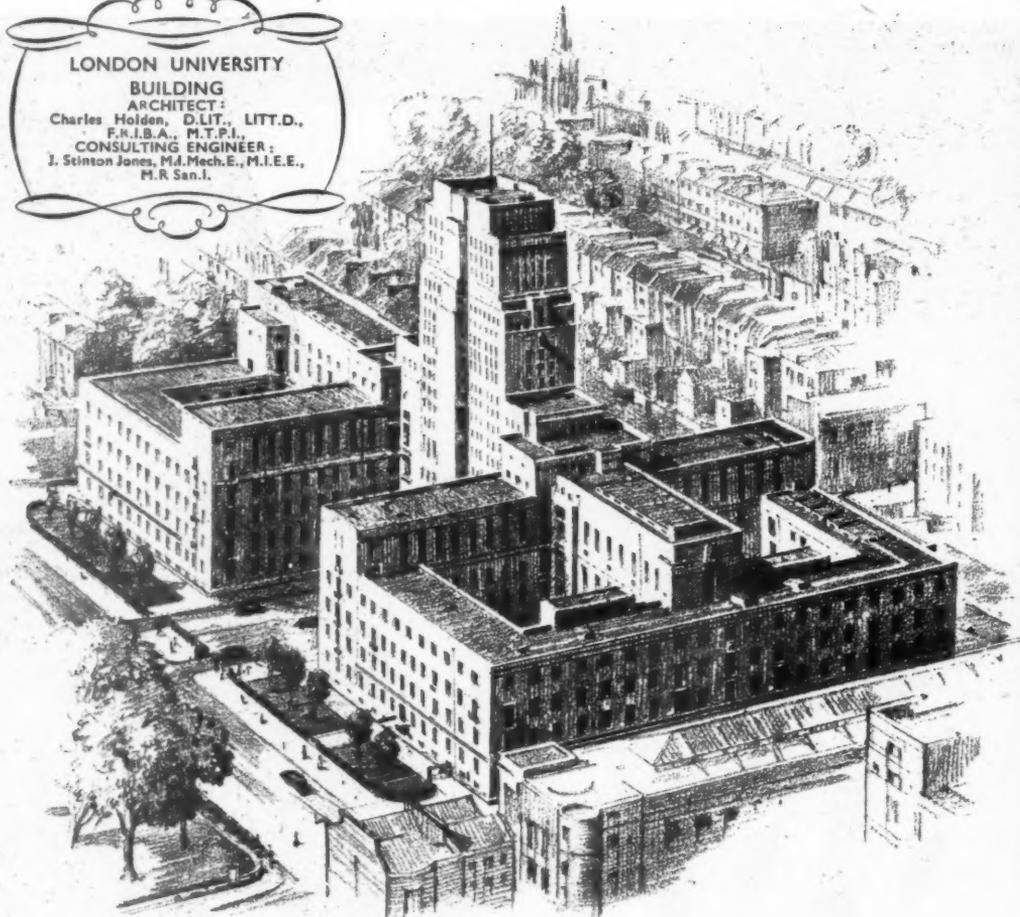
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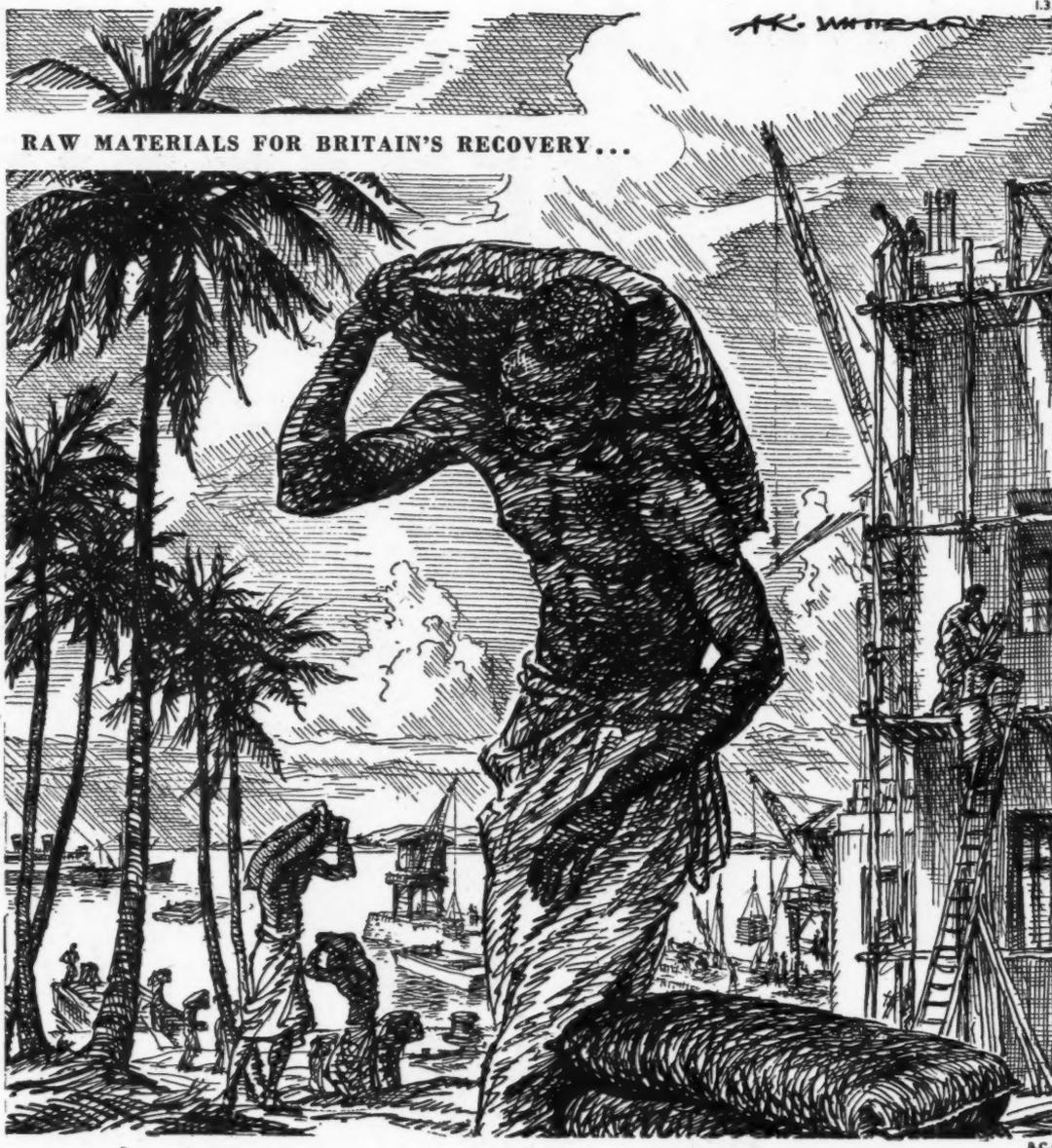


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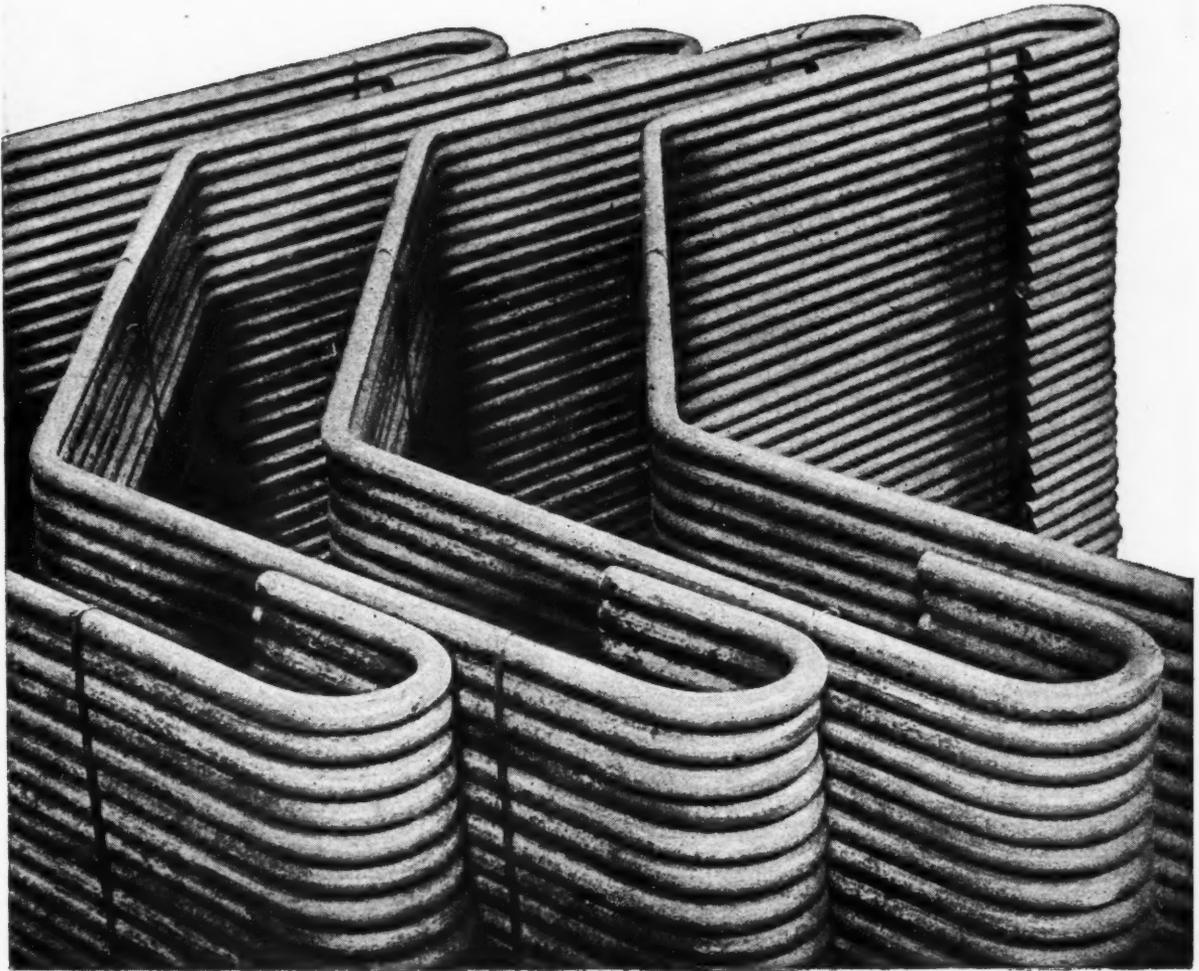
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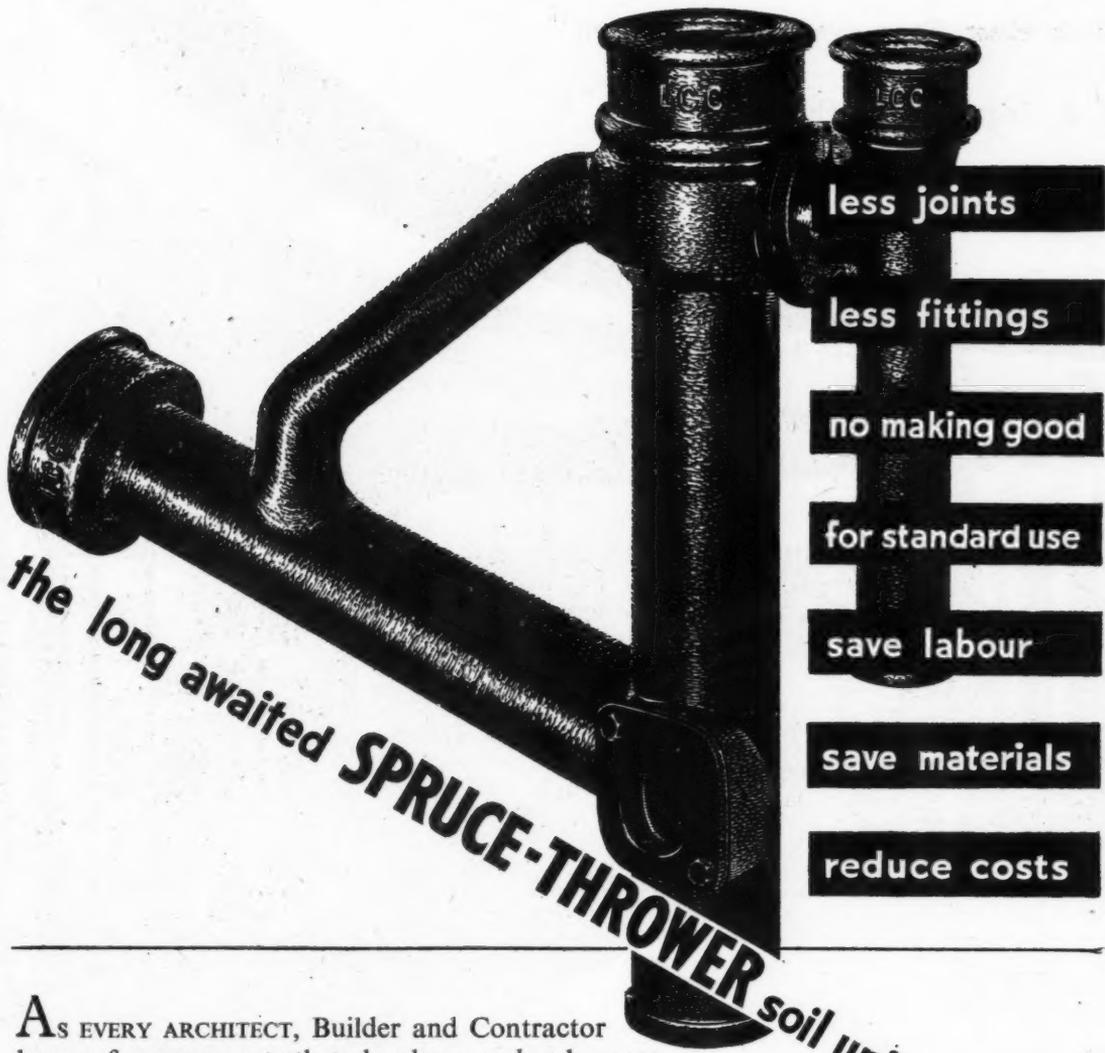
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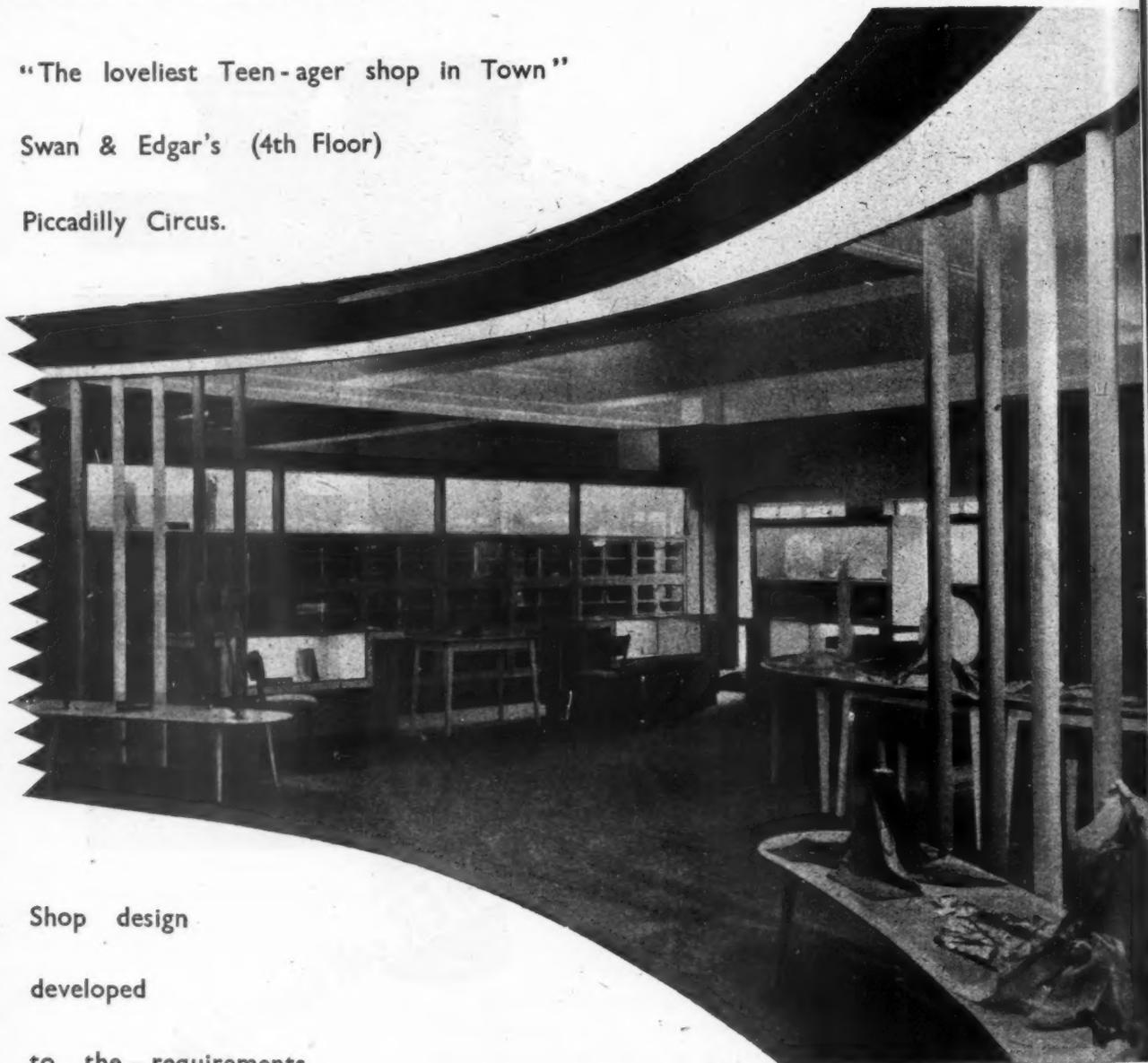
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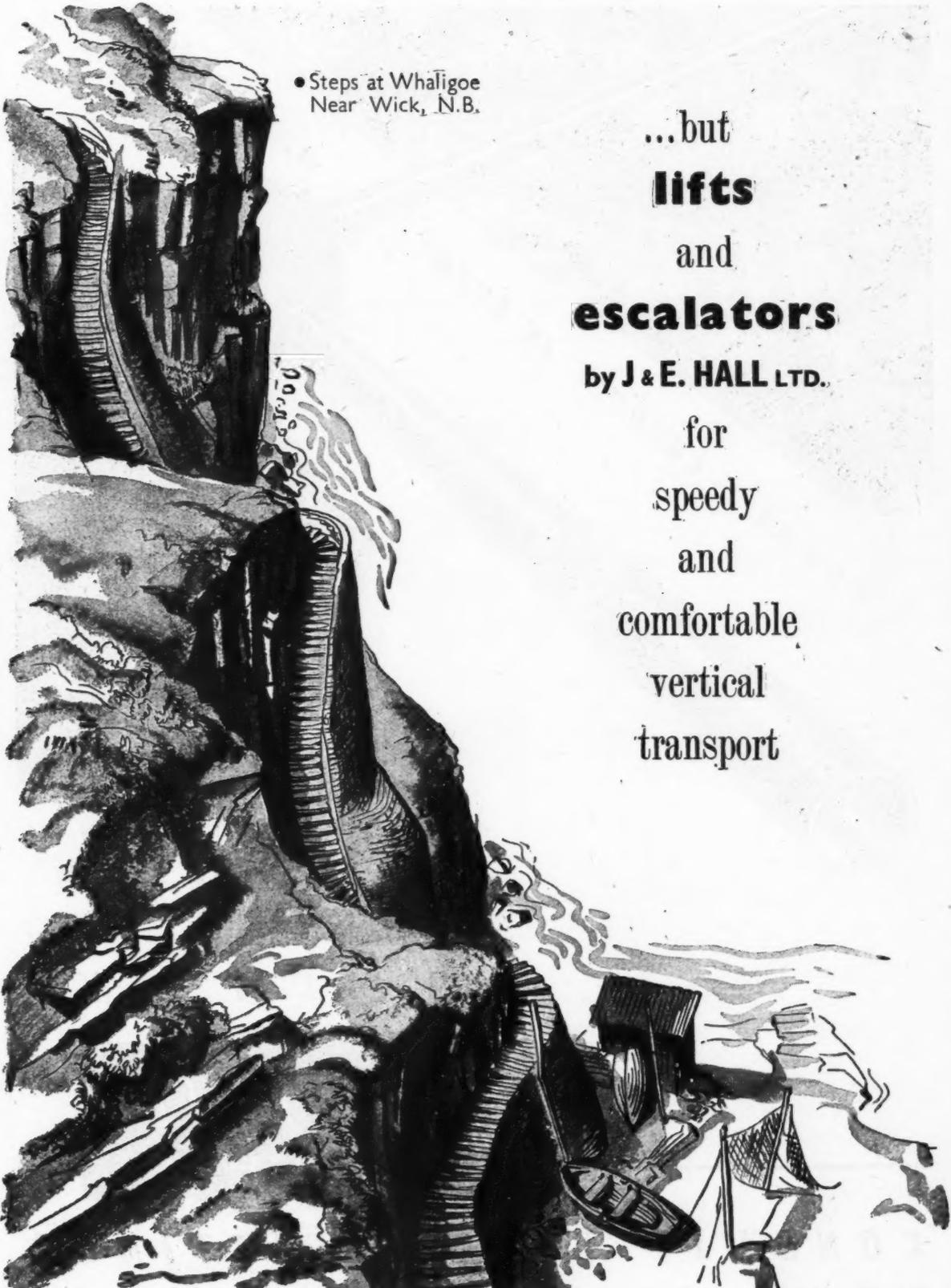
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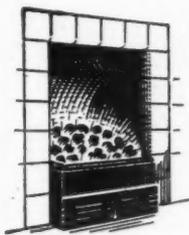
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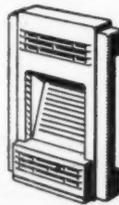
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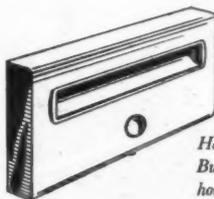
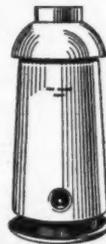
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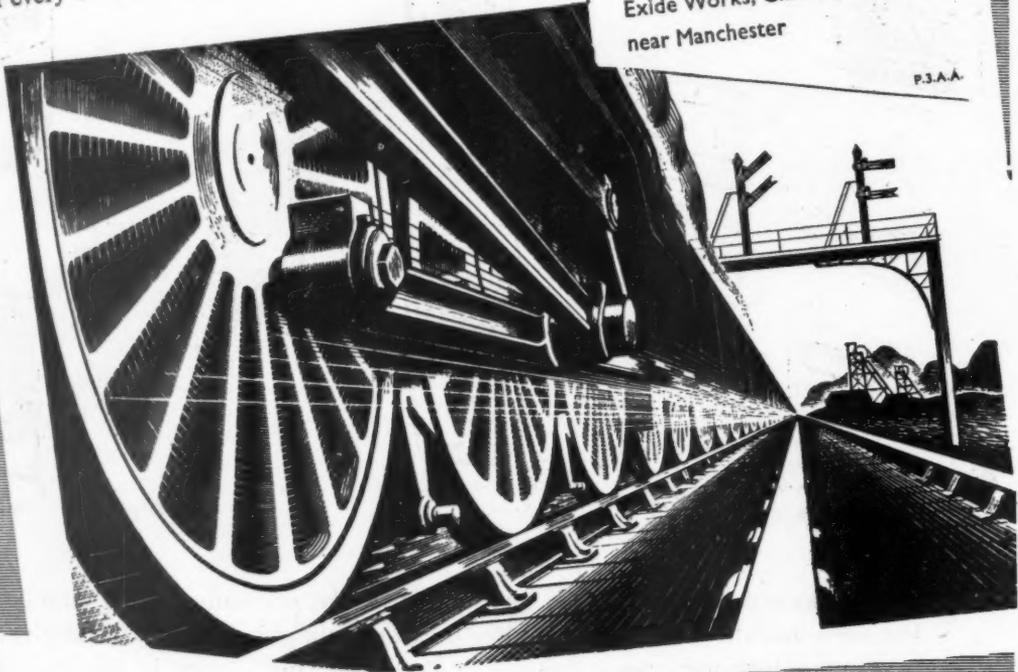
NOTE: "EFFICIENT FUEL SERVICES IN THE HOME" is the title of an informative 36 page booklet, abstracted from a Paper given by Mr. G. C. Holliday, B.A., M.Inst.Gas E., F.Inst.F., at a session of the Public Works, Roads and Transport Congress. Copies free on request.

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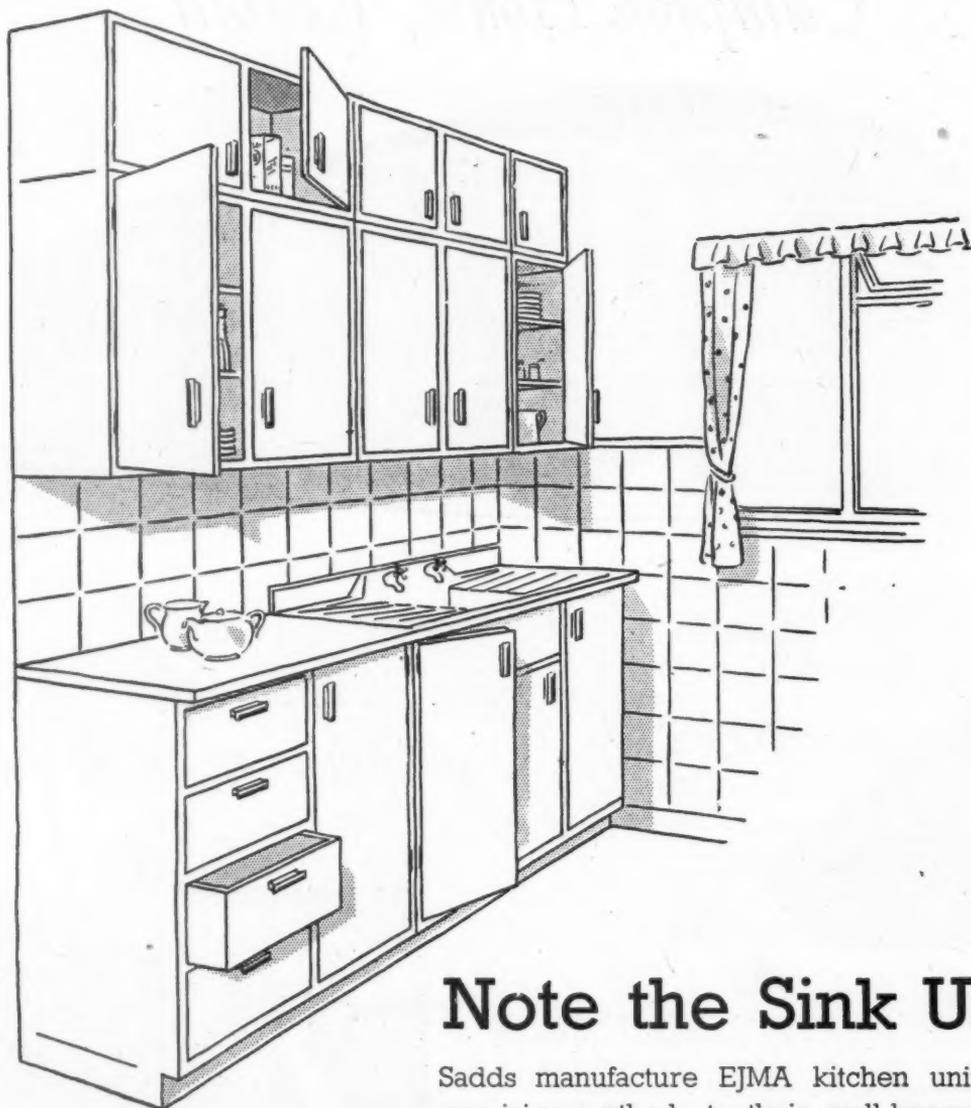
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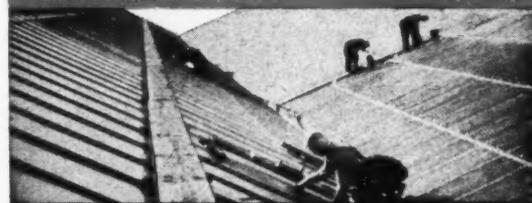
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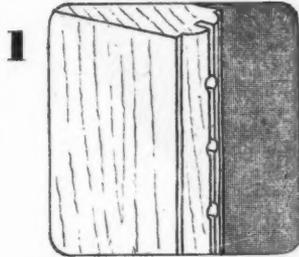
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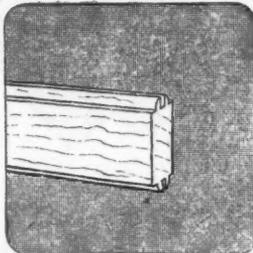
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Make styles



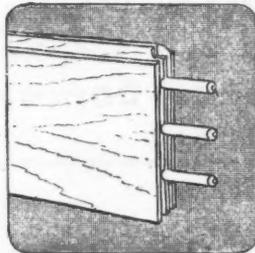
Take selected materials — well-seasoned timber, refined glue. Make with precision machinery operated by expert craftsmen.

Make rails



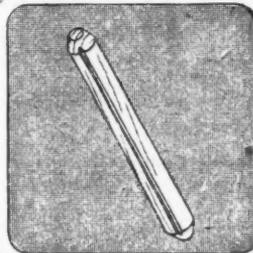
2

Fix dowels in rail



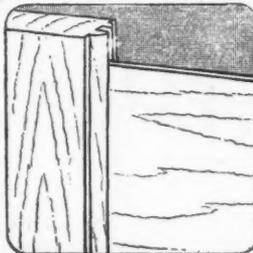
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Make dowels



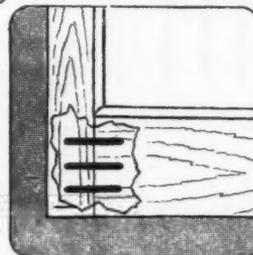
3

Fix panels to styles



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6

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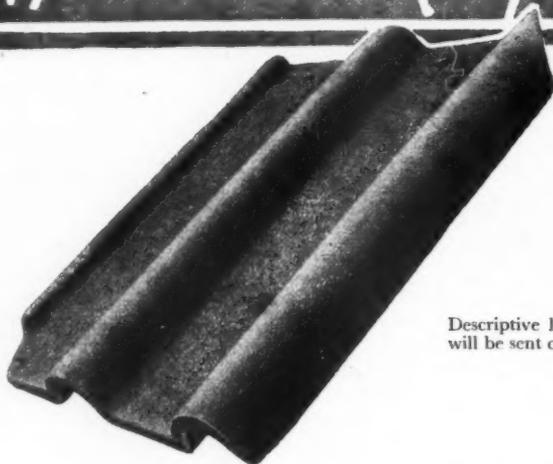
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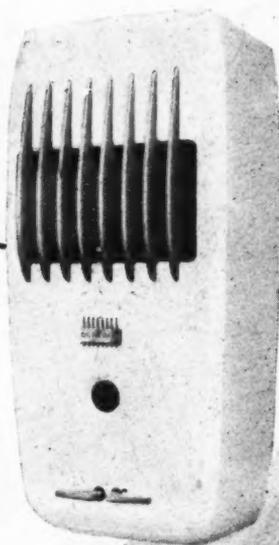
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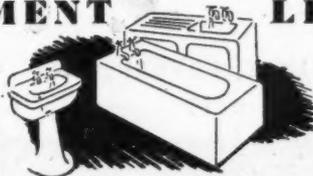
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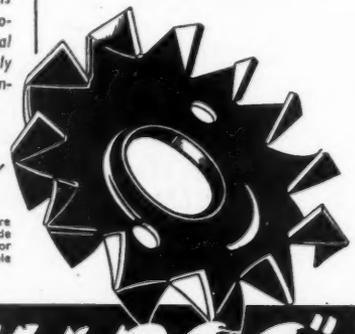
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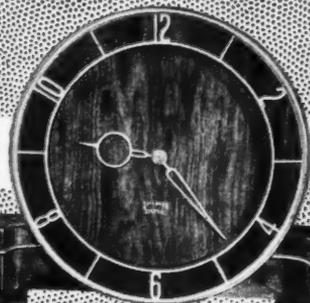


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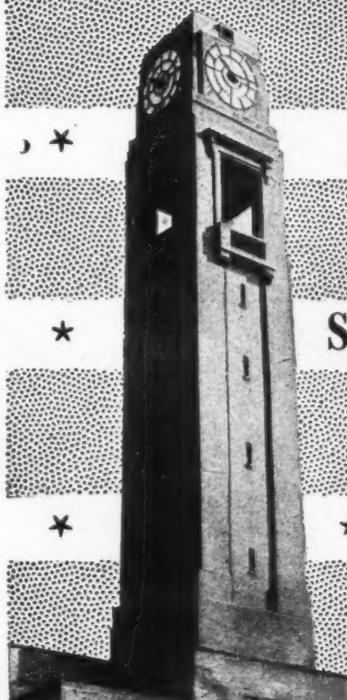
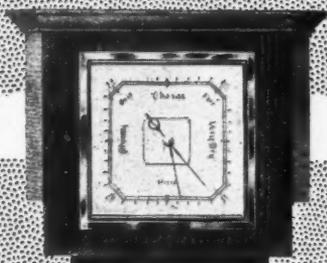
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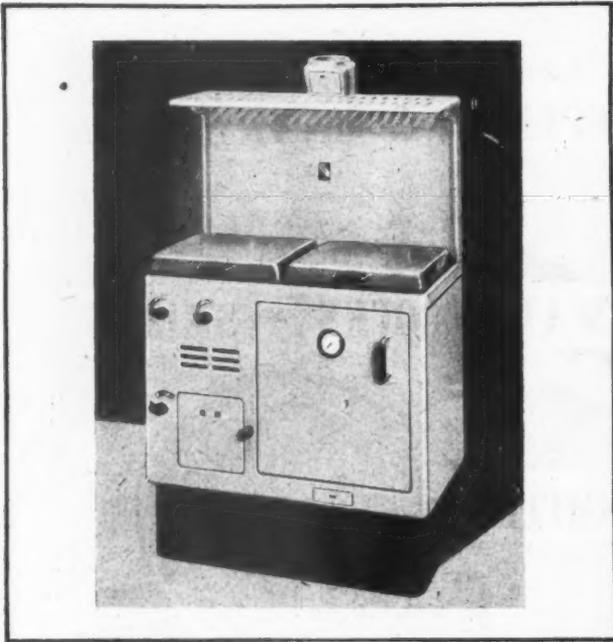
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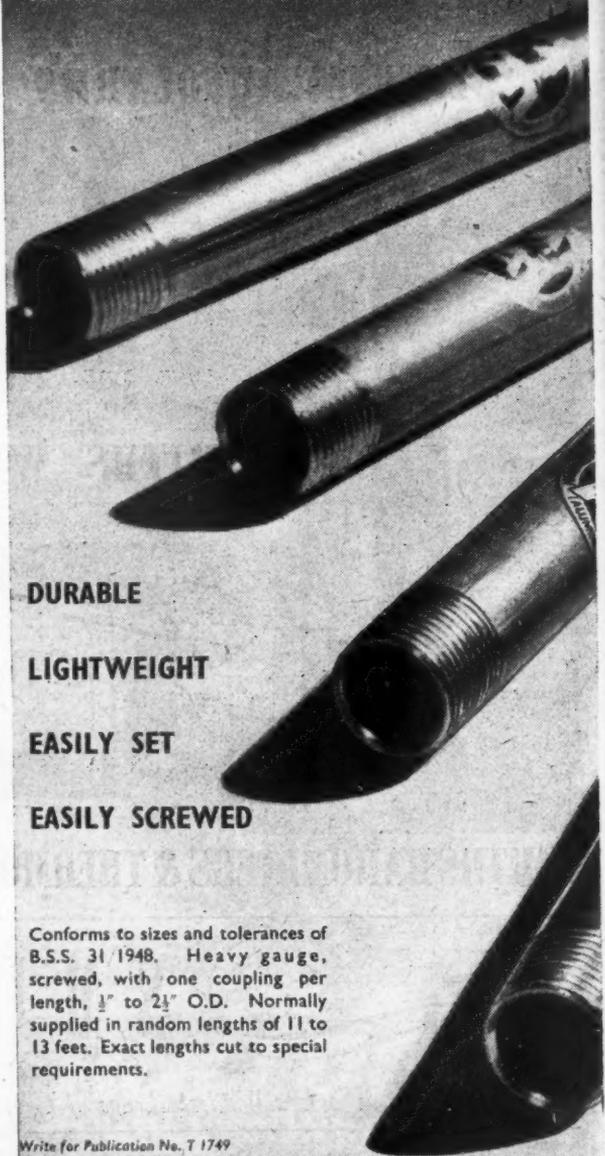
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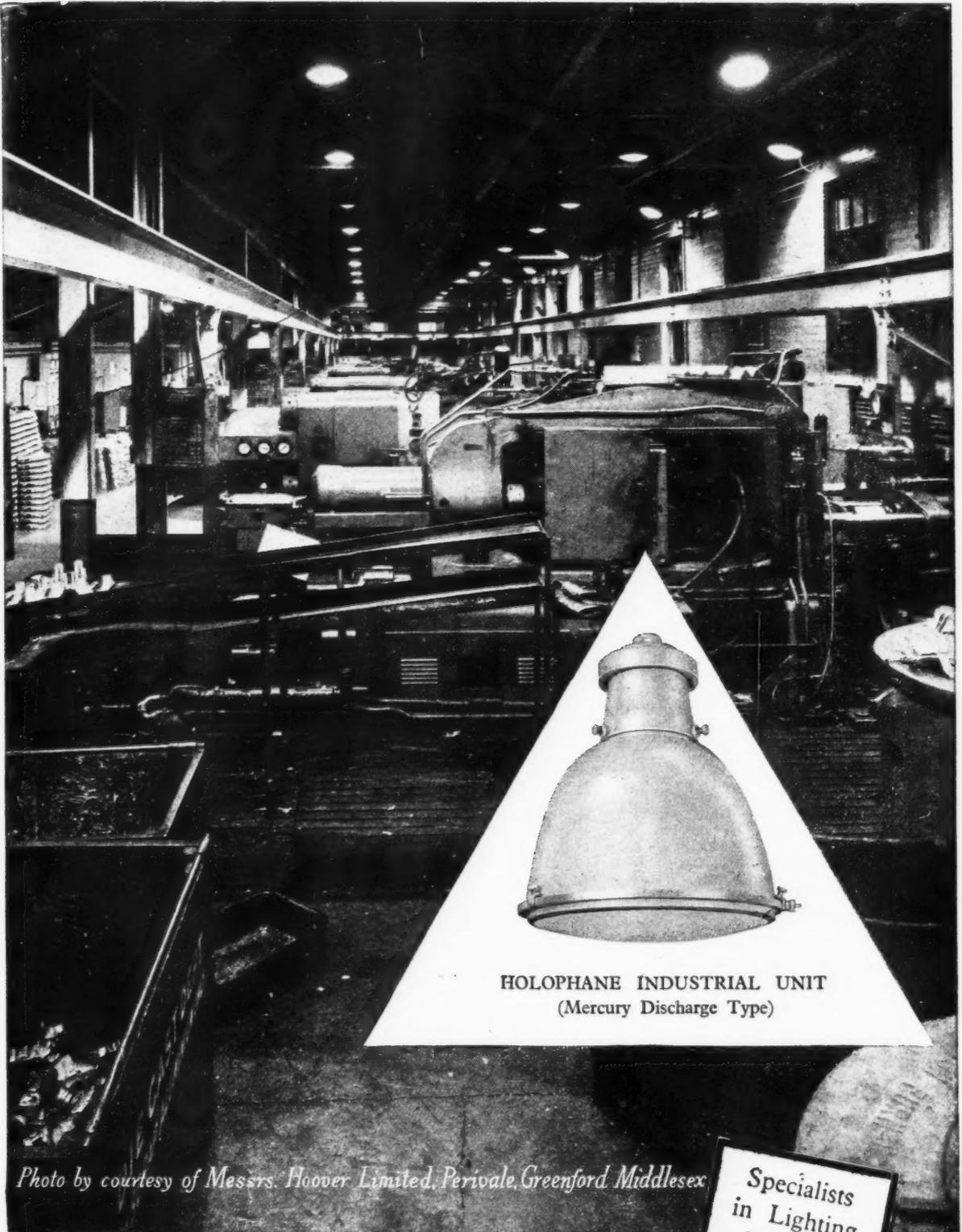
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In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then be added to the subscription list as soon as possible. Subscription rates: by post in the U.K. or abroad, £1 15s. od. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 17s. 6d. each; carriage 1s. extra.



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

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

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

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

INFORMATION CENTRE INDEX, 1948

An alphabetical index covering items published during the twelve months ended December 31, 1948, is being prepared. Readers who wish to have a copy—it is free of charge—should complete the form below and post it to the Technical Editor, THE ARCHITECTS' JOURNAL, not later than February 21, 1949.

Please send me the Information Centre Index for 1948:—

Name

Address

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DIARY FOR JANUARY FEBRUARY AND MARCH

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

LEEDS. *Demonstration of Formica and other Decorative Laminated Plastics.* At the Queen's Hotel, Leeds. (Sponsors, De La Rue Insulation, Ltd.) JAN. 17

LEMORBHEY. *RIBA New Schools Exhibition.* At Lemorbey Adult Education Centre. (Sponsors, RIBA and Kent CC.) JAN. 13-18

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

A Series of Papers on Industrial Design. Milner Gray. *The Industrial Designer and Consumer Goods.* Jan. 19. Gordon Russell. *The Industrial Designer's Responsibility.* Feb. 2. Robin Darwin. *The Training of the Industrial Designer.* Feb. 16. John Gloag. *British Industrial Design and World Markets.* March 2. At the RSA, John Adam Street, W.C.2. (Sponsor, RSA.) All meetings begin at 2.30 p.m.

International Architectural Student Congress. Postponed until April.

RIBA New Schools Exhibition. At the Building Centre, 9, Conduit Street, W.1. (Sponsors, RIBA and BC.) UNTIL JAN. 14

Design Fair. At the Whitechapel Art Gallery. (Sponsor, CID.) UNTIL JAN. 29

Exhibition of Visual Aids. At the Murray House Exhibition Hall, Vandon Passage, Petty France, S.W.1. (Sponsor, CID.) UNTIL JAN. 29

Exhibition and One-Day Conference on Housing in the Stone Districts. At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) JAN. 17

Kathleen Lonsdale. *Art and Architecture in Science.* In the Anatomy Theatre, Gower Street, W.C.1. (Sponsor, University College, London.) 1.15 p.m. JAN. 18

RICS Agricultural Conference. Morning Session: 11.15 a.m. W. S. Scammell. Practice Points in Connection with Part II and Section 31 of the Agriculture Act, 1947. A discussion follows. Afternoon Session: 2 p.m. approx. F. W. Allam. Tenant-right Valuations under Part

III of the Agriculture Act, 1947. A discussion follows. At the RICS, 12, Great George Street, S.W.1. JAN. 18

The New Social Legislation and the Family. A Conference to be held at the Conway Hall, Red Lion Square, W.C.1. (Sponsors, TCPA and British Social Hygiene Council.) JAN. 20-21

Engineering Equipment and Materials Exhibition. At the Old Horticultural Hall, Vincent Square, S.W.1. (Sponsor, "Britain's Best" Exhibition.) JAN. 26 TO FEB. 9

NFBTE Annual Meeting. In the Liverpool Victoria Friendly Society Building, Southampton Row. JAN. 27

LCC Housing Exhibition. At Charing Cross Underground Station. (Sponsor, LCC.) FEB. 7-28

RIBA Presidential Address to Students and Presentation of Prizes. Criticism of work submitted by Anthony Chitty. At the RIBA, 66, Portland Place, W.1. 6 p.m. FEB. 8

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

Professor Anthony Blunt. *Mannerism in Architecture.* At the RIBA, 66, Portland Place, W.1. (Sponsor, RIBA.) 6 p.m. FEB. 22

Ideal Home Exhibition. At Olympia. (Sponsor, The Daily Mail.) MAR. 1-26

The Architect's Place in our Education. At the AA, 34/6, Bedford Square, W.C.1. Joint members and students' evening. (Sponsor, AA.) 7.45 p.m. MAR. 2

H. S. Goodhart-Rendel. *Rogue Architects of the Victorian Era.* At the RIBA, 66, Portland Place, W.1. (Sponsor, RIBA.) 6 p.m. MAR. 8

T. P. Hoar. *The Protection of Metals against Corrosion.* At the RIBA, 66, Portland Place, W.1. (Sponsor, ASB.) 6 p.m. MAR. 22

MANCHESTER. *Timber as an Engineering Material. Post Advanced lectures in Building and Civil Engineering.* R. T. Walters. *Structural Design.* Jan. 26: F. D. Silvester. *Connections.* Feb. 9: P. O. Reece. *Plywood.* Feb. 23: B. Alwyn Jay. *Posts and Preservation.* March 9: P. O. Reece. *Comparative Efficiency of Timber in Relation to Other Materials.* March 23. At the College of Technology, Manchester. (Sponsors, TDA in collaboration with the Regional Advisory Council for Technical Education.) UNTIL MAR., 1949

S.S.
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From AN ARCHITECT'S Commonplace Book

THE PROFESSOR OF LANDSCAPE GARDENING. [From Gardens in the Modern Landscape, by Christopher Tunnard (The Architectural Press).] The mid-nineteenth century saw the arrival of the professor of landscape gardening. This figure was due to put in an appearance at about this time; Repton had been the perfect prototype, and enough literature had resulted from his period to produce in garden architecture the academic mind. Sad to relate, the professor did not make much stir among the English public, who liked their landscapists cast in the John Bull mould, and the academician was sent packing to America, where he flourished exceedingly, set himself up in universities, and is no doubt partly the cause of the general lack of originality to be found in the landscape art of that country today. However, he figures in several English treatises of the 50's and 60's. The professor is entreated to be a man of delicacy, to hide his own feelings so as not to wound those of his employer, to pander to the ladies "who as a rule are possessed of taste in a more marked degree than are men"—in handling the latter he is urged to—"yield in trifles, but in important cases present a firm but respectful opposition at the proper time, and at no other"—milk and water tactics indeed compared with those of our autocrat Brown.

★★

Mr. R. Furneaux Jordan has been appointed Principal of the AA SCHOOL OF ARCHITECTURE.

Mr. R. Gordon Brown, A.R.I.B.A., A.A.DIPL., has asked for personal reasons to be released at the earliest possible date from his appointment as Principal of the Architectural Association School of Architecture. The Council has acceded to his request with very sincere regret. Mr. Gordon Brown was appointed Principal in December, 1944, and has been responsible for the post-war reconstruction and great expansion of the School, in which undertaking the Council acknowledges his exceptional services. His educational programme will be carried on and further developed by Mr. R. Furneaux Jordan, F.R.I.B.A., A.A.DIPL., who has been offered and has accepted the appointment of Principal. He will take up his duties on February 1, 1949 (see page 26).

★

A Government Committee has been set up to advise on TRADE EXHIBITION POLICY.

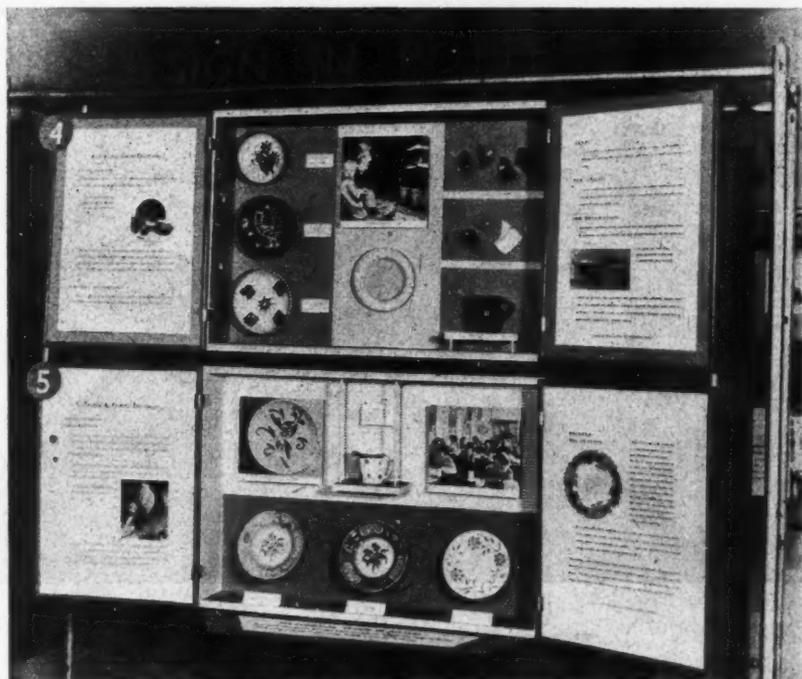
Since the war, Government policy on trade exhibition questions has been based on the report of the Ramsden Committee which considered the whole question towards the end of 1945. Doubt has recently been expressed in some quarters as to how far the validity of the Committee's recommendations may have been affected by the trend of our post war economic circumstances which they could not have foreseen clearly. New projects for exhibitions are constantly being put before the Board of Trade as offering a useful contribution to the solution of external trade problems and the value of a standing committee to advise on such projects in the light of current conditions has been appreciated. To meet this need, an Exhibitions Advisory Committee has been set up under the chairmanship of Sir Guy Locoock, a Vice President of the Federation of British Industries and a member of the Ramsden Committee. The majority of the members, the list of whom is not yet complete, will serve in a personal capacity, though the major industrial organizations have nominated their representatives. The terms of reference are: 1. To advise the Board of Trade, in the light of the Report of the Ramsden Committee, on questions of official participation in, or sponsorship of, exhibitions and trade fairs both in the United Kingdom and overseas, and on any general question of exhibition policy as may be necessary. 2. To advise the Board of Trade on proposals by industry or sections of industry or by other interests active in promoting exhibitions or trade fairs brought to the notice of the Committee by the Board of Trade. 3. To make such suggestions to

the Board of Trade as may seem desirable in order to promote and co-ordinate national action with regard to exhibitions and trade fairs. 4. To appoint such sub-committees as the Committee may consider necessary to carry out the above functions. A preliminary meeting has been held to consider the Committee's field of activity (see Leading Article on page 27).

★

The Central Land Board has announced that the time limit for putting in claims on the £300 million fund set aside under the TOWN AND COUNTRY PLANNING ACT, 1947, has been extended to June 30, 1949. Previously the time-limit was March 31,

1949, the Board having power to extend until June 30 in individual cases. The extension now becomes general for all claimants, and a Regulation to that effect has been made. The Board emphasise that under this new Regulation there is no power to extend the time beyond June 30, 1949. The Board also announce that claimants can employ professional advice, and still claim from the Board a contribution towards the fees incurred, up to October 31, 1949. S.1. must, however, be sent to the Board's office by June 30, 1949, complete except for the optional questions 26, 27, and 28, together with a slip attached to the claim form and bearing the words "I/We have been retained by the claimant to complete the valuation questions by October 31, 1949"; the professional adviser's signature; and the name and address of his firm. The professional adviser will then be sent a replica of the "Optional Part of Form," with the Board's registration number, for completion and return by October 31, 1949.



The Exhibition of Visual Aids on Industrial Design is on view at the CID until January 29. It is a travelling exhibition intended for circulation among schools and other educational bodies, and has been designed by Peter Hatch and Cockade Ltd. The photograph shows two of six boxes displaying pottery, which have been specially constructed to prevent the exhibits being damaged in transit. The two outside leaves close up to form lids for the boxes which fit into crates for despatch.



The New Principal of the AA

From February 1 Mr. Furneaux Jordan will be the Principal of the AA School of Architecture, in succession to Mr. Gordon Brown. Mr. Jordan was a student of the AA, being awarded the AA Diploma in 1928. In 1934 he joined the staff as a studio master, and, with the exception of the war years, he has been on the part-time

staff ever since. During the last year his post has been that of Senior Lecturer in Design. He is in practice in partnership with Mr. George Fairweather, and has designed several schools for local authorities, as well as a housing scheme at Wandsworth. See also page 25 and Astragal's comment on page 28.

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The RIBA has issued its comments on the ARCHITECTURAL EDUCATION report of the MARS Arch. SA Joint Committee.

The examination of the Interim Report has now been completed and the officers of the RIBA Board of Architectural Education have issued a statement containing observations on those sections of the Report which deal with numbers under training, external students, and the summary of numbers. The official figures given vary considerably with those issued by the MARS/Arch SA committee, particularly with regard to the numbers of students whose methods of training are unknown. This was given by the MARS/Arch SA report as about 7,000, to compare with the RIBA's figure of 1,700 which includes unnotified deaths, and abandonment of studies. This statement by the RIBA Board will be published fully in a future issue of the JOURNAL with comments by the MARS/Arch SA Committee.

MOTCP has approved a plan to spend £25,000 on new buildings in SALISBURY CLOSE.

Permission has been given for the Salisbury Diocesan Council of Education to use the site of the Old Deanery for the erection of new buildings for the diocesan training college. In a letter to the Salisbury City Council, Mr. Silkin said that it was not made plain at the public inquiry that the Old Deanery was in itself a building of exceptional architectural merit, but it had been represented that it formed an integral part of the Close, and for that reason it should be preserved. The Minister recalled that the Royal Fine Art Commission had accepted the necessity for demolishing the Old Deanery. The commission considered that the proposed building line towards the Close continuing to that of the King's House was acceptable, and it made no criticism of the design except to suggest that further consideration should be given to the design of the Chapel.



Mr. Donald A. Goldfinch has been appointed Architect to the Birmingham Regional Hospital Board. He has had a wide experience of hospital architecture, and as a result of his research into the design and location of health centres was elected an Associate Member of the Society of Medical Officers of Health.

THE FUTURE OF EXHIBITIONS

THE setting up of a committee by the Board of Trade to advise on projects for trade fairs and exhibitions shows a worthy if belated attempt to organize the enthusiastic but frequently misdirected efforts made recently to display British products and achievements in this country and abroad. This renewed official interest in a subject with which an increasing number of architects in recent years have been closely connected, provides the occasion for a general reassessment of the value and aims of exhibitions.

The last official guidance on this matter was provided by the report of a committee under the chairmanship of Lord Ramsden, appointed over two years ago. Unfortunately, the ideas of the new committee will not concern the coming year's programme overseas, as the decisions with regard to official participation in foreign trade fairs in 1949 have already been made by the Board. Nevertheless, this year should provide sufficient opportunities for a fairly accurate prediction as to trends in trade fairs and exhibitions. There are several factors with regard to the future of these fairs which need careful study, and the answers will undoubtedly affect those architects who have specialized in exhibition work. As an example, one aspect which the architectural profession at large views with some misgivings is the large amount of exhibition work undertaken today at a time when permanent building is proceeding so slowly. Although the attempt is made to avoid the use of materials on exhibition stands which are in short supply, there is no guarantee that this does not happen. And not only materials, but the supply of skilled workmen is affected as well. The new committee should weigh carefully the relative value to the country of goods elaborately displayed and the alternative of more permanent buildings under construction.

Another factor for the committee to consider is the definite though, as yet, slight tendency for some buyers to ignore trade fairs. This is mainly because of the convenience, due to recent improvements in transport, of going direct to the manufacturer, where the buyer is able to study samples and supply at first hand, and also to establish a confidence not so readily obtained at the exhibition stand.

There is, also, a great risk that too many exhibitions, often providing mere promises rather than actual goods, will cause the public to become completely satiated, and no longer receptive to this form of propaganda.

The benefits that have accrued to architecture, nevertheless, cannot be ignored. During the war the Government and industrialists created a demand for designers who could readily apply the technique of three-dimensional propaganda. This demand was met by the architects who, at the time, were admirably suited to perform the task since there was little building allowed. These architects, most of whom were adherents of the modern movement, effected an immense increase in the standard of display, and the development

of a technique of presentation which is immediately recognizable. Lack of orthodox materials encouraged ingenuity, and the exhibition stand served as one of the testing places for new materials and new techniques. This has often been the case in the past, as is proved by that once fantastic creation, the Crystal Palace, and also, to take a more modern example, by the shell-concrete arch at the Zurich Exhibition of 1939. No doubt further progress will be made in the development of structure in the South Bank Exhibition of 1951.

With this aspect of exhibitions, the JOURNAL has no quarrel. There is, however, a case for a limitation of the number of exhibitions in the year, to avoid the satiation of the public, and to ensure that the few exhibitions held in this country, or despatched abroad, are presented with the maximum of skill. While there is a shortage of labour and of material in this country, it is essential that the materials, and the skill of our workers, whether architects or labourers, be used with the utmost economy and effect.



The Architects' Journal

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

Phone: Whitehall 0611

N O T E S

&

T O P I C S

A CHANGE AT THE AA

The news of Gordon Brown's resignation as Principal of the AA School will have come as a bombshell to many. His short reign at the AA has been one of expansion in every sense and his departure will be regretted. But a great consolation is that a successor has been found without delay who will have everybody's confidence in carrying on the good work.

Furneaux Jordan is an admirable as well as the obvious choice. I offer him my congratulations and best wishes.

Gordon Brown, I understand, has been given a dual appointment to the newly-created Forbes Chair of Architecture at the University of Edinburgh, and he will also be head of the School of Architecture in the Edinburgh College of Art. So there will be two places to have the benefit of his drive and energy and his unconventional ideas about the running of a school of architecture. The students will be able to obtain an MA degree with honours in architecture—another notable event. They will also, apparently, be able to study structures with the engineering students in the University, on the lines recommended in Gordon Brown's recent talk at the AA.

MME. DE MANDROT

To many architects the news of the death of Mme. de Mandrot, which took place a couple of weeks ago at her villa near Toulon, will mean nothing at all; to a few it will mean a great deal. She was modern architecture's earliest and most loyal patroness. As early as 1914 she showed her appreciation of the significance of the new movement that was growing up in Europe, and in 1928 it was at her suggestion that a meeting of the leading modern architects was called at her chateau at La Sarraz, in

Switzerland. At this meeting CIAM was founded, and the Declaration of La Sarraz is the title of the first CIAM manifesto. To the end of her long life she took an interest in its progress and was a friend of modern architects from all over the world.

PLANS, POLITICS AND MONEY

The recent flare-up in the press about housing on Campden Hill seems to have died down temporarily. But no opportunity has been taken of the lull to discuss the whole question of the London Plan, of which the Campden Hill controversy is but a part. Perhaps the question is too big and too complicated for the superficial taste of the daily press.

But the fact must be faced. Although it has been "accepted in principle"—whatever that may mean—the London Plan simply is not happening. As Mr. Arthur Ling, of the LCC, who did much of the work on the plan, admitted not so long ago: "We are in fact, with the London Plan in front of us, walking in the opposite direction. The London Plan advocated decentralization; in fact we are centralizing."

At a recent TCPA discussion Mr. Charles Dalton said that the trouble was that the industrialist was drawn to London because there he has a big market on his doorstep. Mr. McColl thought the trouble was the lack of a body to undertake the great task of social decentralization. To set up such a body, he said, would involve the reform of London government. Mr. Ling was much more realistic and profound when he claimed that the problem was an economic one which could not be solved without dealing with Great Britain as a whole; you do not need a Greater London Planning Board so much as a national one. "I think it is a pity," he said, "that the 1947 Act has no clause in it which required the Government to make its own development plan." He put the thing in a nutshell when he remarked: "What is the use of discussing a £100,000,000 road problem if we in fact cannot afford to widen Piccadilly? . . . Until we have an economic plan, we cannot have a plan for London."

LETTERS

Robert Fordyce Aickman

H. V. Walker

J. N. Cowell

D. M. S. Pearse

R. P. Walker

F. Palmer Cook

Reviving the Waterways

SIR.—The reference in your admirable and constructive leading article to the Welsh Section of the Shropshire Union Canal prompts me to call the attention of your readers to the particular menace which overhangs this and several other valuable waterways.

Early in the 1930s a burst occurred in the Welsh Section at Pant, which, among other consequences, left a pair of working boats stranded on the far side of the point where the breach occurred. Repairs could have been effected in a few days at the most. But nothing whatever was done, and the boats may still be seen lying derelict, as may a boatyard put completely out of business by the same occurrence. By 1944 the railway owners of the Canal were permitted by a Parliament and public opinion absorbed with other matters, to procure the abandonment of the whole Navigation on the ironical grounds of "No Demand." By the same Abandonment Act a number of other waterways were lost, including the Huddersfield Narrow Canal.

The "abandonment" of the Welsh Section and of the Huddersfield Narrow Canal amounted merely to the termination of the obligation to maintain the waterways in good navigable order. Not only was the right to admit pleasure traffic at a charge specially reserved in each case, but, in fact, neither waterway can simply go out of existence, the one because it acts as feeder to an important main water route, the other because mills at each end depend upon it under contract for water. Trade was the danger the railway company was concerned to prevent, in accordance with the usual railway policy where canals were in their hands. We are informed that forty men are even now employed full time (at the public expense) to maintain the nineteen miles of the Huddersfield Narrow; and the situation on the Welsh Section is similar. Both waterways are, none the less, in an abject condition. Not one single pound on the Huddersfield is readily navigable. Expensive and ineffective attempts are being made to keep down weeds on the Welsh Section which a little traffic would keep down not only free of charge but while actually producing revenue from tolls. Since traffic ceased, the weed growth has become so dense that it substantially impedes the flow of water to the main line.

It will be seen that as these two waterways have to be maintained in any case, there is an unanswerable case for maintaining them in navigable condition, and for seeking the passage of all revenue producing craft, whether commercial or pleasure. The resulting revenue could accrue to the public purse; profit to traders; and infinite pleasure to holiday-makers, the Welsh Section being throughout of a beauty hard to equal in the British Isles, and the Huddersfield Narrow being an important link through the Pennines. The case is one, however, which all the relevant authorities decline to see, despite unceasing pressure by



In the issue of December 30 the JOURNAL's leader commented on the designs, by a group of Liverpool students, for the precincts of Liverpool Cathedral, published in the December number of The Architectural Review. Adjoining the Cathedral is the famous Mount Quarry cemetery, and the future treatment of the cemetery, with its dramatic landscape potentialities, is one of the key issues in designing the precincts. The picture above, reproduced from an old print, shows the cemetery as it was a hundred years ago. The Cathedral is being built on the west of this cemetery and the students propose an approach to the east door by means of a bridge over the Quarry. The Review of March 1946 contained an article on the aesthetic qualities of the cemetery.

FRENCH BUILDERS VOCALIZED

French newspapers have always been a bit of a mystery to me. They carry very little advertising space and news and features are apt to strike the English reader as very slight and badly put together. Moreover, one is always given to understand that French newspapers are continually teetering on the edge of bankruptcy. It is surprising, therefore, that the French building industry can support a daily paper called *La Journée de Batiment*, which has been going for a couple of years.

I was sent a bundle of copies the other day and am still wondering how the trick is worked. The building industry in France must be appreciably smaller than our own and I tremble to think of the fate of a daily building paper in this country. The French article is a four-page paper devoted, as the sub-title says, to "public works, architecture, reconstruction and urbanism." One page of all the copies I received (not a consecutive series) is devoted to architecture and planning, one of the more frequent contributors being Gaston Bardet, the well-known town planner. Much is also made of the activities of the UIA (Union Internationale des Architectes) and in one copy there is a critical article on CIAM.

It would be interesting to know the circulation of such a paper and who buys it.

A TREAT FOR COUNCILLORS

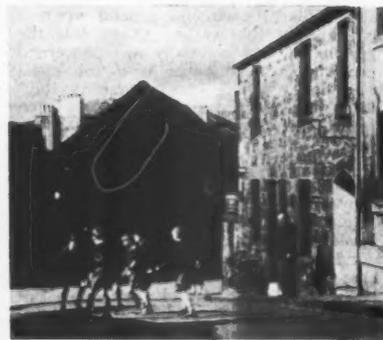
Another pleasant film*, running for just over half an hour, has been produced by COI for showing to what they call "specialist audiences consisting of architects, builders, local authorities and those interested in town planning." In the last category, of course, one can include anyone living within two miles of a built-up area, but presumably a more subtle meaning is intended. Perhaps architects no longer need to see it. There cannot be many of the Old Guard left who know nothing of surveys and consider a town only as material to mass around centre-lines.

For those, however, who have recalcitrant local authorities and town councillors to deal with, then my advice is to insist on their seeing it. The completely lay mind cannot but benefit, and the initiates will have a good time watching the relieved faces of the committee men as that unreliable aesthete, the town planner, knocks down charming eighteenth century slums rather than their own valuable modern properties.

ASTRAGAL

* See page 30

A NEW FILM ON TOWN PLANNING



The Central Office of Information have just produced for the Department of Health for Scotland a film showing the types of problem involved in planning the future of a town. The film is intended for showing to builders and local authorities. To provide a typical example, Dunfermline, the second largest town in Fife, has been chosen, and the photographs on this page are stills from the film. The town planner is shown studying the town, he notes the congested High Street, above, and (reading from top to bottom, left) the steep streets, the lack of playgrounds, and the beauty of Pittencrief Park. Below, he inspects a new building site, before (bottom) reporting to the Town Planning Committee.

Titled "A Plan to Work On," the film was made by Basic Films, and produced by R. K. Neilson Baxter. See Astragal's note.



this Association. The particular and immediate menace lies in the power conferred by the 1944 Act upon the County Councils to modify bridges over the two waterways to a height which would no longer permit navigation. This has already been done on one Branch of the Welsh Section; and the danger continually overhangs all the remaining mileage of waterway concerned. I add that the Welsh Section bridges were designed by no less a man than Telford.

The absurdity of thus destroying all possibility of revenue, trade, and pleasure from these waterways, with no apparent compensating advantage, might seem to need no emphasis. In fact, it is clear that only a significant national outcry will save the situation. The latest news is that precisely the same course of events is contemplated for the Rochdale Canal, a vast waterway, much larger than any yet abandoned, and having locks 74 ft. long and 14 ft. wide. Once again, the Rochdale Canal cannot merely disappear. Many mills depend upon it. But it is proposed that no boat should ever use it.

We hope that all your readers will bring their influence to bear against these acts of wanton destructiveness.

London

ROBERT FORDYCE AICKMAN,
Chairman, The Inland
Waterways Association

The Future of Students

SIR,—Sir E. Owen Williams, in his interesting letter in your issue of December 2, presents a darker view of the fate in store for architectural students now in training than we hope will be the case. It is obvious that there will be a problem in finding full employment for all qualified students—that is, those who remain in this country after they have qualified. It was because of this that ArchSA collaborated with MARS in the preparation of a report on recent trends in architectural education. We feel, however, that Sir E. Owen Williams in his calculations neglects several aspects of the situation.

First of all, the figure of 12,500 students in training, which he quotes, is an abnormal one. This inflated figure is due, to a certain extent, to the return of students from the Forces—students who, but for the war, would by now be qualified.

Secondly it cannot be assumed that all students will, in fact, qualify after their 4 or 5 years' training.

Finally, a smaller point, the complexities—technical and legal—involving in the erection of buildings today suggest that the services of an architect will be required more than ever in the future. The opportunities for architects in the sphere of industrial design should not be ignored, either.

H. V. WALKER
J. N. COWELL
D. M. S. PEARSE
R. P. WALKER

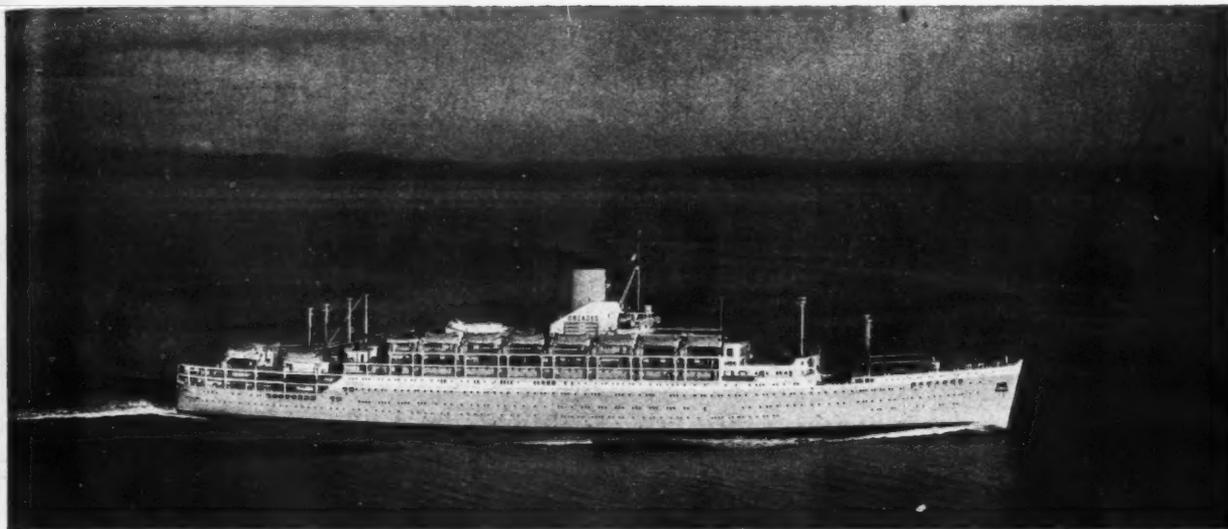
Members of General
Purposes Committee of
ArchSA.

Hand and Foot Throttles

SIR,—Further to Mr. Delamont's letter in the ARCHITECTS' JOURNAL of December 23, would Mr. Delamont have the monotony of long straight roads with a constant speed and no variation of anything whatsoever? If he is too tired to move his foot to manipulate the accelerator and brake, and does not appreciate the new scene which every bend and rise and fall of our roads brings into view, then he should sit at home in an armchair with special side flaps to rest his head and a footstool to put his weary feet upon. God defend us from the "nebulous new era" which he is evidently praying for.

London.

F. PALMER COOK.



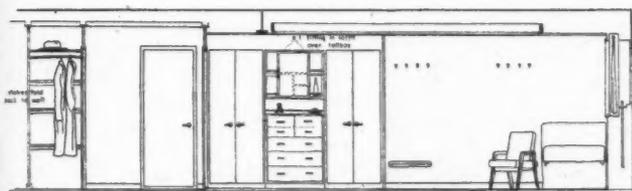
RMS Orcades on her trials.

RMS ORCADES OF THE ORIENT LINE

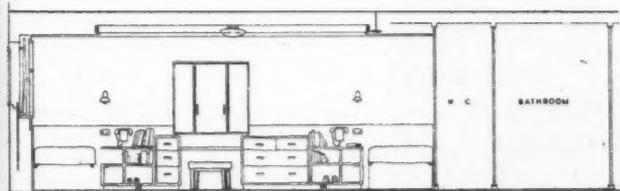
INTERIOR DESIGN BY BRIAN O'RORKE

GENERAL.—RMS Orcades is a twin-screw, turbine-driven vessel, designed to carry passengers, mails and cargo between the United Kingdom and Australia by the Suez route. The length overall is 708 ft. 8 in., and the breadth is 93 ft. The displacement is 28,000 tons and she has a speed of 22 knots. The vessel has eight decks, lettered "A" to "H," including the promenade decks, for the use of passengers.

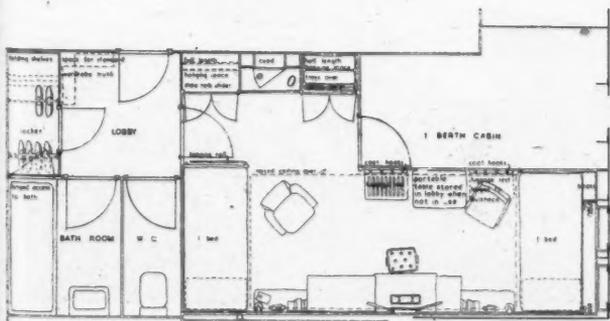
On her upper decks four games areas have been provided, in each of which protection from the wind has been studied. On "A" deck



ELEVATION OF WARDROBE WALL



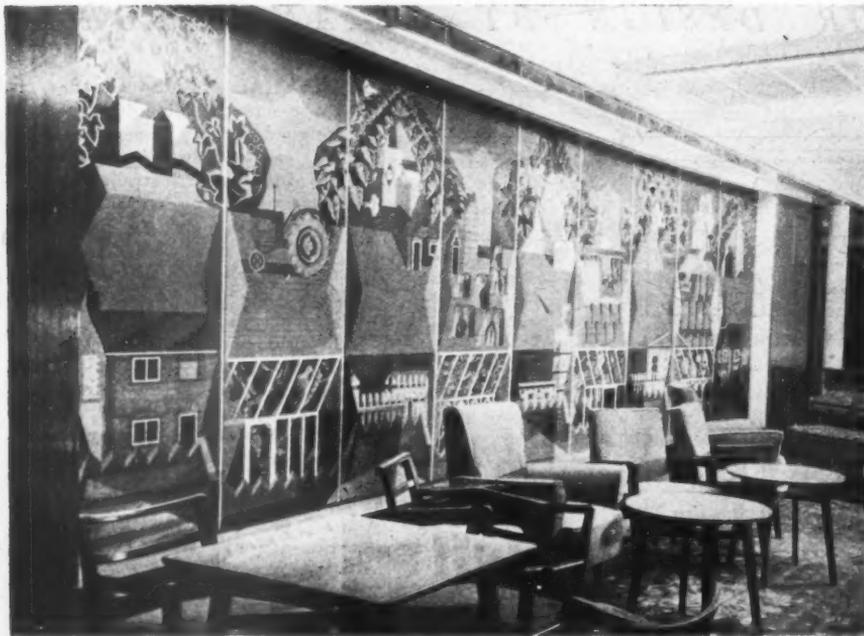
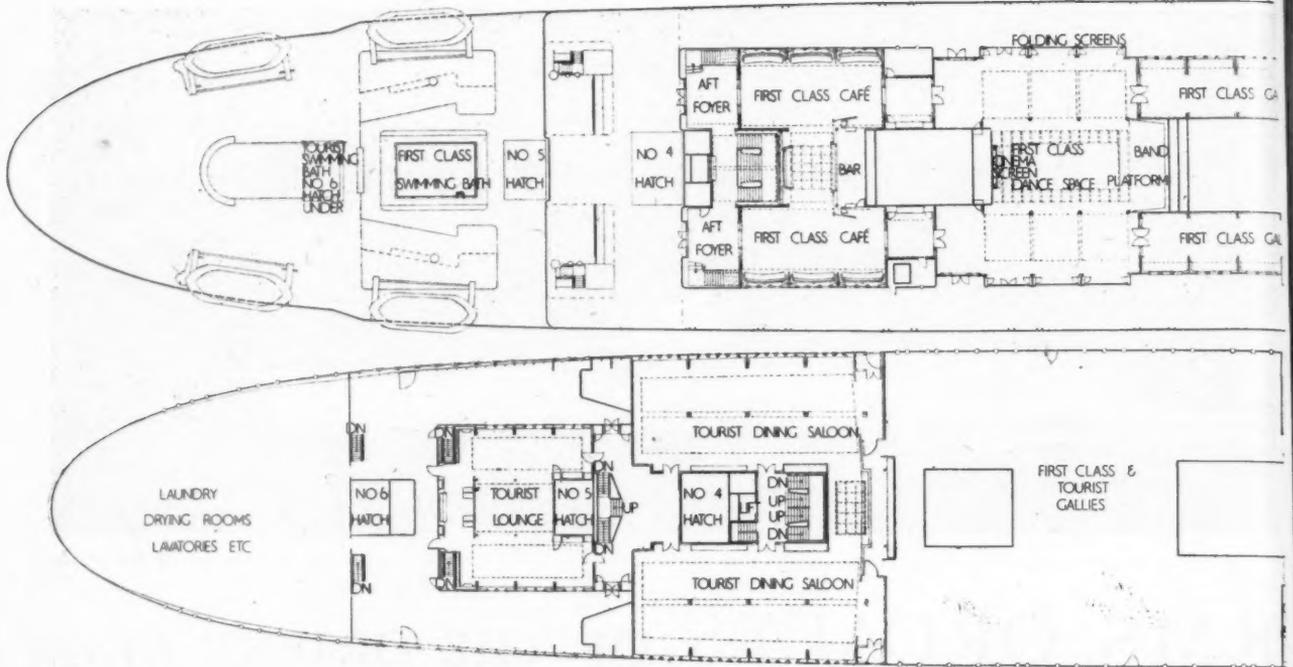
ELEVATION OF DRESSING TABLE WALL



PLAN OF SPECIAL 2-BERTH CABIN

Bedroom in the flat.



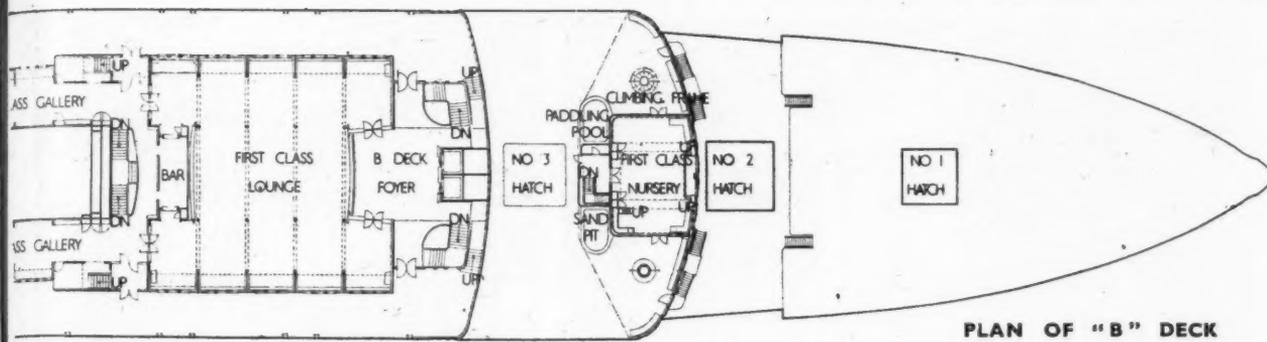


is an air-conditioned restaurant and lounge, divided by a glazed screen. The colour scheme is in varying greens, with flowered curtains designed by Marion Dorn. At the forward end of "B" deck is the main lounge, air-conditioned, and planned with deep bays between the structural web-frame to form semi-private recesses. The recesses contain paintings by well-known artists, and on a curved screen at one end of the lounge is a mural by Edward Bawden. A similar treatment is carried out in the two galleries which lead from the lounge to the dance space. Each gallery contains a painting by Lawrence Scarfe. The dance space is enclosed by sliding glass screens. Further aft is the café, with a

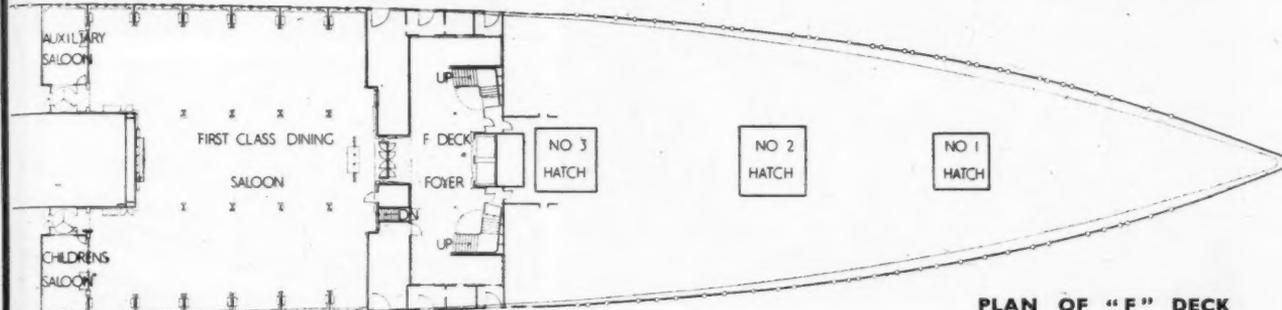
Left, the lounge mural by Edward Bawden. Below, left, the tourist café, and right, smoke-room. The floors are of cork linoleum, and the smoke-room bulkheads are lined with mahogany.



RMS ORCADES OF THE ORIENT LINE :



PLAN OF "B" DECK



PLAN OF "F" DECK

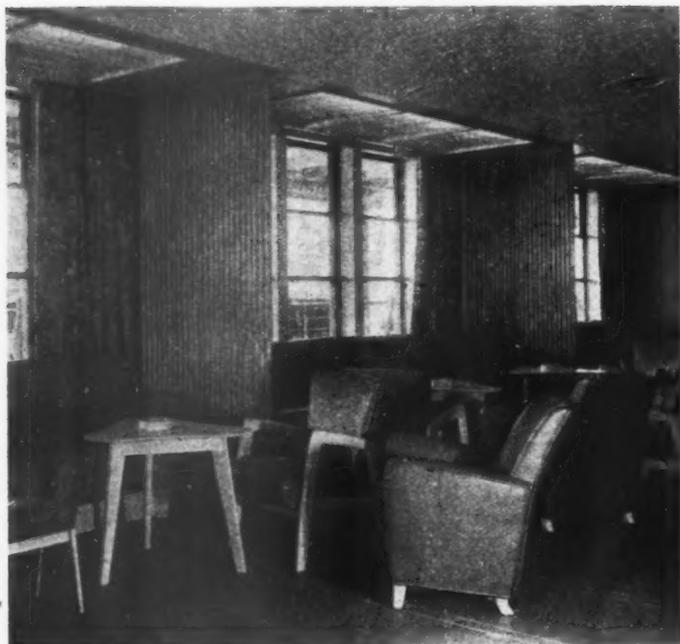
mural by an Australian, Douglas Annand. Also on "B" deck is the children's playroom.

On "C" deck, forward, is the air-conditioned library, which also contains a concealed altar. Further aft is the tavern, with furniture in turned beechwood. The first class and tourist class dining saloons are on "F" deck. Other public rooms are the tourist class café, smoke room and lounge on "D," "E" and "F" decks respectively. Accommodation for 773 first class passengers and 772 tourist class passengers is provided. There are also 13 state rooms and a two-room air-conditioned flat.

Right, a detail of the first class lounge. The curtains were designed by Edward Bawden. The woodwork is cherry mahogany. Below, right, a general view of the lounge. The columns are painted a pale matt grey-green with chromium plated cappings. Below, the dance space.



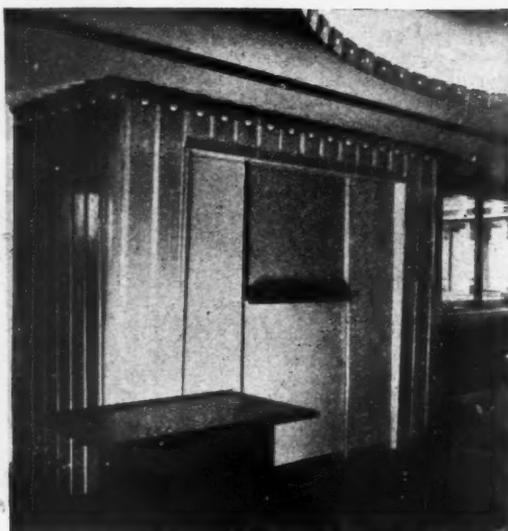
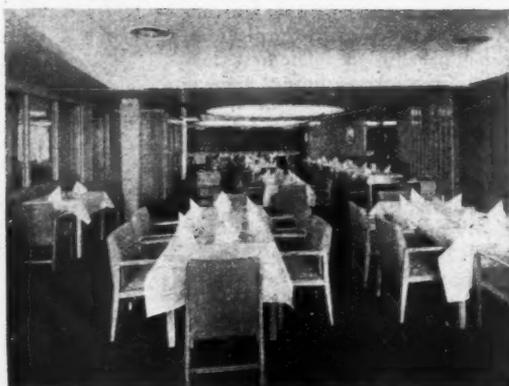
INTERIOR DESIGN BY BRIAN O'RORKE



Above, the first class café. The screens are of bamboo. Other woodwork is of zebrawood. The chairs are of bleached ash, with plastic tops to the tables. Below, a detail of the first class dining saloon. The floor is cork linoleum. Woodwork is in bleached mahogany and ash. Furniture is of beechwood, and is upholstered in plum-coloured hide.



Right, reading from top to bottom: the first class dining saloon, the tourist dining saloon, lined in Queensland walnut, the first class restaurant, with white ash linings to bulkheads, and the restaurant bar.



RMS ORCADES OF THE ORIENT LINE :

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Right, a general view of the first class café, showing the curved ceiling and the mural by Douglas Annand.



Right, the air conditioned library, panelled in a light plane-tree veneer. Below, right, one of the galleries. The screens are of Nigerian cherry, and the sunk fluorescent light fittings are framed in mahogany. The table tops are of blue leather. Below, left, the bar in the tavern, the furniture is in turned beechwood.



INTERIOR DESIGN BY BRIAN O'RORKE

CURRENT MARKET PRICES OF MATERIALS

BY DAVIS, BELFIELD AND EVEREST, Chartered Quantity Surveyors

Rates of Wages last rose on July 11, 1948, and are now as follows:—

LONDON DISTRICT				<i>Craftsmen.</i>	<i>Labourers.</i>
Within 12 miles radius	..	..	..	2s. 11d.	2s. 4d.
From 12-15 " "	..	..	..	2s. 10½d.	2s. 3½d.
LIVERPOOL and DISTRICT				2s. 11d.	2s. 4d.
GRADE CLASSIFICATIONS				A	A ¹
Craftsmen..	2s. 9½d.	2s. 9d.	2s. 8½d.	2s. 8d.	
Labourers..	2s. 3d.	2s. 2½d.	2s. 2d.	2s. 1½d.	

J.A. Davis

F.R.I.C.S., F.I.Arb.

Prices vary according to quality and the quantity ordered.

Those given below are average market prices and include delivery in the London area, except where otherwise stated, but do not include overhead charges and profit for the General Contractor.

CONCRETOR

Cements

* In non-returnable paper bags charged at 11/- net per ton or 7d. each net per bag in lots of less than 1 ton.

* In non-returnable jute sacks charged at 11/- net per ton or 7d. each net per sack in lots of less than 1 ton.

* In returnable jute sacks charged at the rate of 35/6 net per ton of cement or 1/9½ net per sack in lots of less than 1 ton. Credit on return at 1/6 net per sack.

* In returnable cotton sacks charged at the rate of 66/8 net per ton or 3/4 each sack in lots of less than 1 ton. Credit on return at 3/- net per sack.

† Supplied in paper bags and/or non-returnable jute sacks—9/- per ton extra in 1-ton lots or more, 6d. net each bag or sack in lots of less than 1 ton.

			In 80-ton freights F.A.S. Safe Wharf in River Thames and over London Area.
* Portland to B.S. 12	per ton	60/6	58/-
* Rapid hardening to B.S. 12	"	66/6	64/-
† Aquacrete water repellent	"	92/-	
† "417" cement (quick setting extra rapid hardening)	"	82/-	
† Colocrete, red, buff and khaki	"	102/-	
Colocrete, other shades.	1 ton lots.	183/-	to 407/- (paper bags free)
Snowcrete....			(Minimum 1-ton lots) 234/- (paper bags free)
Ciment Fondu to B.S. 915 delivered London area	per cwt.	16/3	14/7 per ton 236/6

Aggregate and Sands (Full Loads)

2" Unscreened ballast to B.S. 882, Table 5	per yard cube	14/5
½" (Down) Washed, crushed and graded shingle to B.S. 882, Table 2	per yard cube	14/5
½" (Down) Ditto	per yard cube	15/5
2" Broken brick	per yard cube	14/6
½" Ditto	per yard cube	16/-
Washed pan breeze	per yard cube	10/6
½" Sharp washed sand to B.S. 882, Table 3	per yard cube	16/4
White Silver Sand for white cement (one ton lots)—		
Fine	per yard cube	66/-
Coarse	per yard cube	48/9
(For Sands for Bricklaying and Plastering, see respective trades)		

Pavings

Brick hardcore	per yard cube	6/3
Concrete ditto	per yard cube	6/6
Clean furnace clinker and boiler ashes....	per yard cube	3/6
2" coarse gravel for paths	per yard cube	17/6
½" fine ditto	per yard cube	20/-
Clean granite chippings to B.S. 1201, Table 4 (in 5-ton loads)	per ton	39/6
Ditto (in 5-ton loads) (Immediate delivery)	per ton	42/6

Reinforcement

Home trade maximum basis price for mild steel rods to B.S. 785, ½" diameter and upwards, ex mills delivered to station or siding	per ton	£19 12 6
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CONCRETOR—(continued)

Reinforcement—continued

Extras for:—

Under ½" to ¾" diameter	per ton	15 0
Ditto ¾" and over ¾" diameter	per ton	£1 2 6
½" and over ½" diameter	per ton	£1 10 0
¾" and over ¾" diameter	per ton	£1 17 6
1" and over 1" diameter	per ton	£2 6 0
1½" and over 1½" diameter	per ton	£2 12 6
2" diameter	per ton	£3 0 0
Under ½" to ¾" diameter	per ton	£4 10 0
Lengths over 40 ft. to 45 ft.	per ton	15 0
" " 45 ft. to 50 ft.	per ton	£1 2 6
" " 50 ft. (as 50 ft. plus per ft.)	per ton	2 6

Fabric Reinforcement

	16.35 lb.	9.32 lb.	5.67 lb.	1.83 lb.
Steel wire mesh fabric to B.S. 1221, Part A per yd. super.	5/7½	3/2½	1/11½	1/0¼
	10.76 lb.	7.32 lb.	5.17 lb.	1.58 lb.
Steel wire mesh fabric to B.S. 1221, Part B per yd. super.	3/9½	2/6½	1/10	-/11½

Sundries

Retarding liquid, in 5-gallon drums (for exposing aggregate)	per gallon	26/8	} Ex Warehouse, Southwark Bridge, Drums chargeable and credited, if returned.
Ditto (for obtaining a bond)	per gallon	16/8	

BRICKLAYER

Common Bricks

Common stocks	per 1,000	109/6
Rough stocks	per 1,000	119/6
Mild stocks	per 1,000	161/6
Sand limes	per 1,000	86/-
†Phorpres pressed Flettons	per 1,000	73/-
†Phorpres keyed Flettons	per 1,000	75/-

Facing Bricks

Hand selected sand limes	per 1,000	121/-
†Phorpres rustic Flettons	per 1,000	93/-
Stocks, firsts	per 1,000	206/6
Stocks, seconds	per 1,000	191/6
Sandfaced, hand made reds	per 1,000	241/6
Red rubbers (9¼")	per 100	55/-
†White facings	per 1,000	100/-
Coloured facings (creams, buffs, browns and terra- cotta)	per 1,000	125/6
†Dunbriks (concrete), greystone facings	per 1,000	135/-
†Dunbriks (concrete) various colours	per 1,000	152/6
†Southwater pressed sandfaced reds	per 1,000	184/6
†Dorking pressed sandfaced multicoloured facings	per 1,000	163/-

Engineering Bricks

†Lingfield engineering wirecuts	per 1,000	126/-
†Southwater or Lunsford engineering No. 1 (first quality red pressed)	per 1,000	209/6
†Southwater or Lunsford engineering No. 2 (second quality red pressed)	per 1,000	182/-
†2½" White Engineering bricks to B.S. 187	per 1,000	120/-
*Blue pressed bricks to B.S. 1301	per 1,000	160/-
* Plus 110% plusage, 5 per cent. builders cash discount, 6d. per 1,000 levy.		
† At Kings Cross (Maiden Lane) Stn. For delivery in W.C. district add 12/- per 1,000.		
† Plus 6d. per 1,000 levy—prices ex works—Haulage extra.		

Firebricks

Firebricks, best Stourbridge, 2½"	per 1,000	63/9
Ditto, 3"	per 1,000	75/6

BRICKLAYER—(continued)

Glazed Bricks		Best quality		Seconds	
		£	s. d.	£	s. d.
White, Ivory or Brown, 9" × 2 1/4" × 4 1/2" —					
Headers	per 1,000	39	10 0	37	10 0
Stretchers	per 1,000	40	0 0	38	0 0
Buff or Cream ditto; —					
Headers	per 1,000	41	10 0	39	10 0
Stretchers	per 1,000	42	0 0	40	0 0

All prices for glazed bricks + 22 1/2%.

Limes and Sands

		1 ton lots.	
		£	s. d.
Lime, greystone, to B.S. 890	per ton	84	9
Lime, chalk, ditto	per ton	84	9
*Lime, hydrated, ditto	per ton	89	6
*Lime, blue lias	per cwt.	7	6 (small quantities)

Washed pit sand to B.S. 1200 per yard cube 16/4
(For cements, see "Concretor.")
* Including paper bags.

Hire of jute sacks charged at 1/6 and credited at 1/6. If left, charged at 1/9.

Sundries

10 s.w. gauge galvanized butterfly type wall ties to B.S. 1243	per 1,000	84	3
12 s.w. gauge ditto	per 1,000	72	3
Wall ties, self coloured, 8" × 1 1/2" × 1 1/2", to B.S. 1243	per cwt.	58	9
Wall ties, galvanized, 8" × 1 1/2" × 1 1/2", to B.S. 1243	per cwt.	78	9
Damp proof course slates:			
Size 14" × 9"	per 100	43	3
" 14" × 4 1/2"	per 100	20	9
Hessian based bitumen damp course to B.S. 743	per yard super	4	3
Airbricks:			
Red and buff terra-cotta	each	1/1	2/3
Black cast-iron School Board pattern airbricks	each	1/7	2/9
Galvanized ditto	each	2/9	5/-
Black hit-and-miss cast-iron ventilators	each	2/9	3/9
Galvanized ditto	each	4/-	5/9
Buff terra-cotta chimney pots	each	5/7	6/8
Fireclay (loose) per ton	120/-		
Wall reinforcement supplied in standard rolls containing 25 yards lineal			
12" wide black japanned	per roll	2	11
12 1/2" wide black japanned	per roll	3	7 1/2
† Greater widths pro rata 2 1/4" price, carriage paid on orders of £7.			

Partitions, etc.

Clinker	per yard super	3/6	4/-	4/6	6/-
Hollow block to B.S. 1190	per yard super	3/1	3/4	4/-	4/7 (4 1/4")
Plaster	per yard super	6/6	7/3	8/5	—
Moler	per yard super	8/3	8/6	8/9	9/6
1" Wood Wool slabs	per yard super	from	4/2	to	4/10
1 1/2" Wood Wool slabs	per yard super	from	6/7	to	7/6 1/2
1 3/4" Wood Wool slabs	per yard super	from	8/6	to	9/8 1/2

† Prices according to quantity ordered.

PAVIOR

Red quarry tiles, 6" × 6" × 1 1/2", to B.S. 1286	per yard super	10	9
Ditto 6" × 6" × 1 1/2", to B.S. 1286	per yard super	9	6
Buff quarry tiles 6" × 6" × 1 1/2", to B.S. 1286	per yard super	12	—
Ditto 6" × 6" × 1 1/2", to B.S. 1286	per yard super	10	9
Hard red paving bricks, 2"	per 1,000	326	—
Ditto 1 1/2"	per 1,000	310	—

DRAINLAYER

Clay Land Drain Pipes to B.S. 1196

Pipes in 12" lengths	per 1,000	99/6	138/6	179/-	372/-
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(Delivered in full loads Central London Area.)

Salt Glazed Stoneware Pipes and Fittings

	Standard List +		
	Orders for 2 tons and over	Orders under 2 tons 100 pieces upwards	Orders under 2 tons less than 100 pieces
Seconds Quality	35% less	15% less	55% less
Best Quality	35%	55%	65%
British Standard Quality	42 1/2%	62 1/2%	72 1/2%
Tested Quality	60%	80%	90%
British Standard Tested	67 1/2%	87 1/2%	97 1/2%

Cast Iron Drain Pipes and Fittings

Socket and spigot pipes to B.S. 437:—		Size			
		9 fts.	6 fts.	4 fts. ea.	3 fts. ea.
Weight per 9 ft.					
1 1 17	4" per yard	16/3	17/10	28/7	21/10
2 0 1	6" per yard	24/2	28/8	46/-	36/10
3 3 21	9" per yard	43/8	57/3	99/2	75/8

DRAINLAYER—(continued)

Cast-Iron Drain Pipes and Fittings—continued

		2 fts. ea.		18 ins. ea.		12 ins. ea.		9 ins. ea.	
1 1 17	4" per yard	17/8	—	—	—	—	—	—	—
2 0 1	6" per yard	27/9	—	—	—	—	—	—	—
3 3 21	9" per yard	—	—	—	—	—	—	—	—

Tonnage Allowances:—

Orders up to 2 tons nett.

		4"	6"	9"
*Bends (short radius) as Fig. No. 4	each	6/3	13/-	40/-
*Single junctions as Fig. No. 18	each	11/-	22/6	69/-
*Intercepting traps as Fig. No. 33	each	30/-	50/-	123/-
*Gullies ordinary trapped "P"	each	14/6	—	—
*Extra for vertical back inlet 4"	each	4/3	—	—
*Grease gully trap	each	110/6	—	—
*H.M.O.W. large socket gully trap with 9" gully top and heavy grating and one back inlet	each	26/3	—	—

* These prices are subject to 82% plusage.

Channels in Brown Glazed Ware.

Standard list + same discounts as "Best" quality salt-glazed Stone-ware pipes.

White Glazed Channels

Orders under 20 pieces. Standard list + 32 1/2%.

Concrete Pipes, etc.

		12"	24"	48"
Concrete pipes to B.S. 556				
With O.G. joints	per foot run	3/10	11/3	38/4
Bends	each	11/6	33/9	115/-
Junctions	each	32/-	63/6	—
Double junctions	each	—	—	—
Concrete pipes to B.S. 556				
With spigot and socket joints				
per foot run		4/2	12/4	42/-
Bends	each	12/6	37/-	126/-
Junctions	each	32/-	63/6	—
Double junctions	each	—	—	—
Concrete road gully to B.S. 556				
18" diameter and 42" deep	each	62/6	—	—
Precast concrete manholes to B.S. 539				
27"		48"	72"	
Precast concrete manhole chamber rings				
per foot run		13/6	38/4	86/0
6" precast concrete cover slabs		35/-	65/6	—

***Manhole covers and frames**

To B.S. 497.

		Size of load	Unit price	
C.I. coated double triangular manhole cover and frame, 22" dia. clear opening to B.S. 497, Grade A		35 tons	115/-	
C.I. coated circular manhole cover and frame, 22" dia. clear opening to B.S. 497, Grade B		5 tons	65/-	
		Size of load	Single seal Flat type	Double seal Flat type
C.I. coated manhole cover and frame, 18" × 18" to B.S. 497, Grade C	1 ton	25/6	34/-	
Ditto galvanised ditto	1 ton	36/6	49/9	
Ditto coated manhole cover and frame, 24" × 18" to B.S. 497, Grade C	1 ton	30/-	38/-	
Ditto galvanised ditto	1 ton	43/6	56/-	
Ditto coated manhole cover and frame, 24" × 24" to B.S. 497, Grade C	1 ton	41/-	55/6	
Ditto galvanised ditto	1 ton	62/-	83/6	

* Subject to plus 7 1/2% on coated, and plus 7 1/2% plus 5% on galvanized.

MASON

Yorkstone

		Building quality Robin Hood and Woodkirk Blue Stone.	
Blocks scrapped, random sizes	per foot cube	8/6	
Add for blocks to dimension sizes	per foot cube	1/- (each dimension)	
Templates with sawn beds, edges rough (up to 4 ft. super and not over 2' 6" long)	per foot cube	9/6	
Templates with sawn beds, sawn one edge	per foot cube	11/-	
Templates with sawn beds, sawn two edges	per foot cube	13/-	
Price f.o.r. Yorkshire, railway rate to London Station per ton. (Minimum 4-ton loads)			38/7

Artificial Stone to B.S. 1217

6" × 3" Copings and sills	per foot run	2/3
6" × 6" Copings and sills	per foot run	4/6
9" × 3" Copings and sills	per foot run	3/6
9" × 6" Copings and sills	per foot run	6/9
12" × 3" Copings and sills	per foot run	4/6
12" × 6" Copings and sills	per foot run	9/-
Cornices according to detail, per foot cube (from)		15/-

MASON—(continued)

Bath Stone in random blocks

Monk's Park	per foot cube	5/4½
St. Aldhelms Box Ground	per foot cube	5/10½

Delivered on rail at South Lambeth station.

Portland Stone in random blocks, average 20 feet

Whitbed	per foot cube	6/1½
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Delivered on rail at Nine Elms Station.

SLATER, TILER AND ROOFER

Best Bangor Slates to B.S. 680

		£ s. d.
24" x 12"	per 1,000 actual	91 0 0
20" x 10"	per 1,000 actual	60 5 0

Prices include for delivery to site in lots of 1,000 and upwards.

Tiles

Basis for Hand-made sandfaced 10½" x 6½" red roofing tiles	per 1,000	189/-
*Machine-made sandfaced best red tiles with continuous ribs, 10½" x 6½"	per 1,000	150/-
*Delivery London area in loads of 5,000 and over	per 1,000	19/3
Berkshire hand-made red Pantiles, 14½" x 10"	per 100	70/-
Berkshire hand-made Dun coloured Pantiles, 14½" x 10"	per 100	80/6

Concrete Tiles

Plain tiles, 10½" x 6½"	per 1,000	90/- to 96/-
Interlocking tiles, 15" x 9"	per 1,000	£14 10s.
Double Roman tiles	per 1,000	£28 to £30

CARPENTER AND JOINER

Asbestos-cement

*6" corrugated sheets, grey	per yard super	3/6
*Standard 3" corrugated sheets, grey	per yard super	3/2½

* Prices are for minimum two-ton loads, and are subject to 5% trade discount.

	Up to 5,000 sq. ft.	5,000 to 15,000 sq. ft.
¾" Insulating board (per 100 sq. ft.)	37/6	36/-
	15,000 to 50,000 sq. ft.	Over 50,000 sq. ft.
¾" Insulating board (per 100 sq. ft.)	33/9	31/6
	Up to 5,000 sq. ft.	5,000 to 10,000 sq. ft.
¾" Hardboard (per 100 sq. ft.)	48/6	45/-
⅝" Hardboard (per 100 sq. ft.)	62/6	61/3
	10,000 to 30,000 sq. ft.	Over 30,000 sq. ft.
¾" Hardboard (per sq. ft.)	43/-	41/-
⅝" Hardboard (per sq. ft.)	58/6	56/-

Asbestos-cement and Asbestos Products

¾" Semi compressed flat building sheets, grey,	per yard super	1/7½
¾" Ditto	per yard super	2/4
¾" Asbestos wall board (in sheets 8' 0" x 4' 0")	per yard super	5/4
¾" Ditto	per yard super	4/-
¾" Asbestos wood (in sheets 8' 0" x 4' 0")	per yard super	3/0½

Prices are for orders of 2 tons and over. Subject to 5% trade discount.

		25-75 yards	150-300 yards	Over 600 yards
¾" Fireproof plaster board	per yard super	2/8	2/4	2/-
¾" Ditto	per yard super	2/6	2/2	1/10
2" Paper Faced LinnenTape, per 100 yard roll		—	—	6/9
Joint filler	per lb.	—	—	-/4

Sundries

Slaters or sarking felt to B.S. 747	per yard run	1/3
Roofing felt (1-ply bitumen) to B.S. 747, Part I	per yard super	1/8
Bituminous hair felt to B.S. 747, Part II	per roll	76/-

All rolls 26 yards long by 32" wide.

"Sisalkraft" standard grade	per yard sup.	-/7½
"Sisalkraft" subsoil grade	per yard sup.	-/4

"Cabots" quilts (Ex Works):

Triple ply ¾" thick	per yard super	2/4
Double ply ½" thick		2/1
Single ply ¼" thick		1/10

All rolls 26 yds. long by 36" wide. Quantities less than complete roll 2d. extra per yard.

CARPENTER AND JOINER—(continued)

Sundries—continued

"Fibreglass" sound deadening quilt	per yard super	
	Up to 500 yds.	Over 500 yds.
Light grade	1/11	1/10½
Medium grade	2/4½	2/3½

In rolls 27 yards long by 36" wide.

"Fibreglass" bitumen bonded mats in standard rolls
 per yard super | 1/4 |

In rolls 10, 12½, 15 yards long by 33", 36", 42", 45", 48" wide.

Slagwool (loose in 1" thickness)
 per yard super | 1/4 |

Home Grown Timber Prices. See Statutory Rules and Orders, 1947, No. 94.

Imported Softwood Prices. See Statutory Rules and Orders, 1947, No. 731.

Imported Hardwood Prices. See Statutory Rules and Orders, 1947, No. 1524.

These may be obtained on application to H.M. Stationery Office, York House, Kingsway, W.C.2.

Standard Panelled and Glazed Wood Doors

Type 4	size 2' 0" x 6' 6" x 1½"	each	36/9
	size 2' 6" x 6' 6" x 1½"	each	39/-
Type 2 x G	size 2' 6" x 6' 6" x 2"	each	43/-
	size 2' 9" x 6' 6" x 2"	each	45/9
Type 4 x G	size 2' 6" x 6' 6" x 2"	each	52/-
	size 2' 9" x 6' 6" x 2"	each	56/3

In lots of from 1 to 11 inclusive.

Standard E.J.M.A. Wood Windows

INP 26	size 2' 6" x 1' 5½"	each	25/4
4V 36	size 3' 6" x 7' 16"	each	113/9
IV 40	size 4' 0" x 2' 2½"	each	33/1
3T 46	size 4' 6" x 5' 11½"	each	116/8
4T 50	size 5' 0" x 7' 10"	each	139/8

Standard E.J.M.A. Kitchen Units

No. 1	size 3' 0" x 3' 6" x 1' 7"	each	208/3
No. 2	size 3' 0" x 3' 6" x 1' 7"	each	158/10
No. 4	size 3' 0" x 1' 9" x 1' 7"	each	144/1
No. 5	size 3' 10" x 1' 9" x 1' 7"	each	120/9
No. 7	size 6' 6" x 1' 9" x 1' 7"	each	196/6

Corkboard, 1" thick
 ft. sup. | 6½d. |

Cut steel clasp nails to B.S. 1202
 1" per cwt. | 51/3 |

Cut steel floor brads to B.S. 1202
 2" per cwt. | 43/6 |

Bright oval wire nails to B.S. 1202
 1" per cwt. | 50/4 |

Galvanized wire staples with slice cut points, 1" x 12 gauge
 per cwt. | 65/9 |

STEEL AND IRONWORKER

Basis price for rolled steel joist sections, 5" x 4½" to 16" x 6" in 10 ft. to 50 ft. lengths...

ex mills per ton	£ s. d.
17	16 6

Extra for sizes:—

9" x 7"	per ton	5 0
6" x 3"	per ton	7 6
3½" x 3½", 4" x 4", 5" x 3", 10" x 8", 12" x 8", 14" x 8", 16" x 8", 18" x 6", 18" x 7", 18" x 8", 20" x 6½", 20" x 7½"	per ton	10 0
5" x 2½", 22" x 7"	per ton	15 0
4" x 2½", 4" x 3", 24" x 7½"	per ton	1 0 0
3" x 3"	per ton	1 5 0
4½" x 1½"	per ton	1 10 0
4" x 1½"	per ton	2 10 0
3" x 1½"	per ton	3 10 0

Basis price for angles
 ex mills per ton | 17 16 6 |

" " " tees
 per ton | 18 16 6 |

" " " solid steel columns
 per ton | 18 16 6 |

All delivered Station or Siding.

PLASTERER

Plaster and Cement

		1-ton loads	6-ton loads
Thistle (browning) to B.S. 1191, Class B	per ton	98/9	88/9
Gypstone to B.S. 1191, Class B	per ton	70/6	
Paristone (haired) to B.S. 1191, Class B	per ton	73/-	ex Works, Kent.
Ditto (unhaired)	per ton	70/6	
Glastone to B.S. 1191, Class C	per ton	73/-	
Sirapite (coarse) to B.S. 1191, Class C	per ton	96/3	86/3
Ditto (fine) to B.S. 1191, Class C	per ton	104/3	94/3
Keene's Pink to B.S. 1191, Class D	per ton	155/6	
Keene's White to B.S. 1191, Class D	per ton	161/9	
Cullamix (Tyrolean Finish), 1-ton lots and upwards	per ton from	155/6 to 189/-	

lyda.

Orders,

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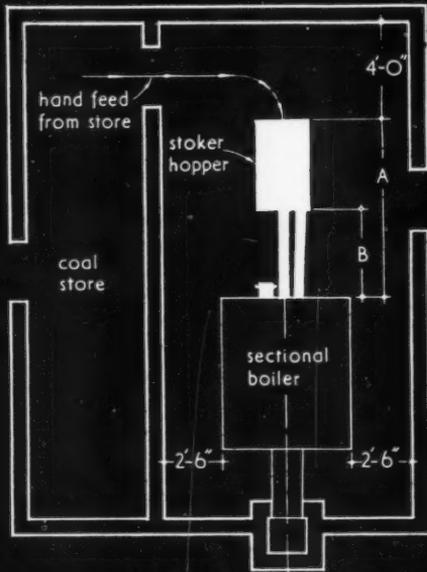
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SPACE HEATING | MECHANICAL STOKERS

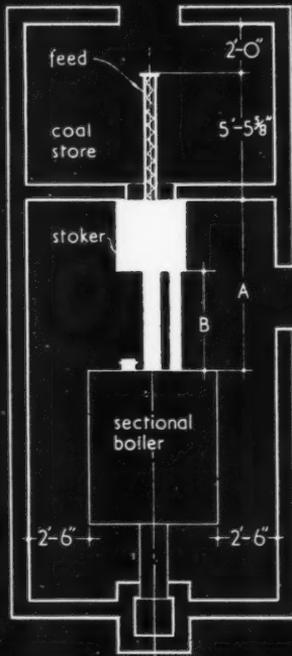
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note: lengths of drive may be increased in increments of 1'-0"

boiler rating B.th.u./hr.	model	A	B
1000000	2 A	6'-2 ³ / ₈ "	3'-8 ³ / ₈ "
1200000	2	6'-2 ³ / ₈ "	3'-8 ³ / ₈ "
1400000	3A	6'-5 ³ / ₈ "	3'-11 ³ / ₈ "
2000000	3	6'-5 ³ / ₈ "	3'-11 ³ / ₈ "
2700000	4	7'-4 ³ / ₈ "	4'-10 ³ / ₈ "

HOPPER FEED MODELS.



note: lengths of drive may be increased in increments of 1'-0"

boiler rating B.th.u./hr.	model	A	B
825000	ALC2A	7'-6"	5'-0"
1000000	ALC2B	7'-6"	5'-0"
1200000	LC2	7'-0"	4'-6"
1400000	ALC3A	7'-0"	4'-6"
1680000	ALC3	6'-9"	4'-3"
2000000	ALC4B	6'-6"	4'-0"
2600000	ALC4	6'-6"	4'-0"

CHAIN DRIVE FROM STORE MODELS.

IRON FIREMAN STOKERS: FEEDING BOILERS FROM 825000 B.TH.U./HR. TO 2700000 B.TH.U./HR.
 Manufacturer: Ashwell and Nesbit Ltd.

29. J4 IRON FIREMAN STOKERS: FEEDING SECTIONAL BOILERS FROM 825,000 B.TH.U./HR. TO 2,700,000 B.TH.U./HR.

This Sheet gives layout dimensions for Iron Fireman stokers feeding sectional boilers of capacities from 825,000 B.th.u./hr. to 2,700,000 B.th.u./hr. For full details of the operation and general design of the stokers see Sheet 29.J1. Layout dimensions for sectional boilers up to 825,000 B.th.u./hr., vertical boilers of all sizes and flue type boilers are given on Sheets 29.J3, 29.J5 and 29.J6 respectively.

Applications

The size of stoker described on this Sheet is suitable for use with boilers for the central heating of factories, offices, warehouses, etc.

Compiled from information supplied by :

Ashwell & Nesbit, Ltd.

Head Office : Barkby Road, Leicester.

Telephone : Leicester 27151.

London Office : 12, Great James Street, W.C.1.

Telephone : Holborn 9105.

Glasgow Office : 103, Douglas Street, Glasgow, C.2.

Telephone : Central 1703.

Leeds Office : 32, Headingley Lane, Leeds, 6.

Telephone : Leeds 54655.

Birmingham Office : 12, Whittall Street, Birmingham.

Telephone : Colmore 4047/8.

Manchester Office : 184, Oxford Street, Manchester, 13.

Telephone : Ardwick 1361/2.

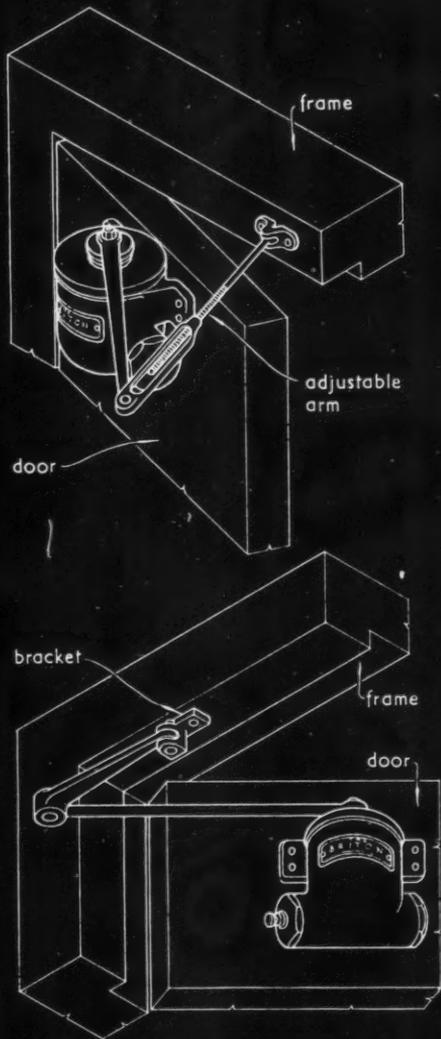




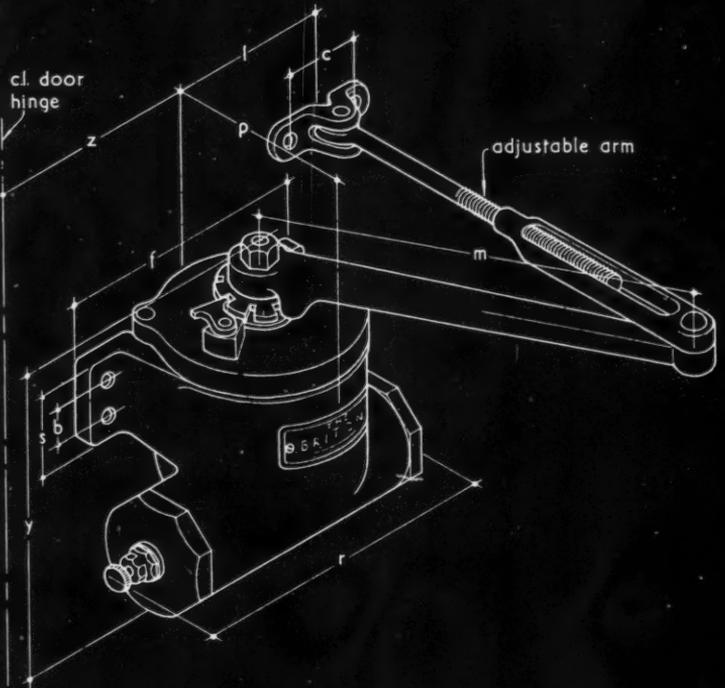
FITTINGS DOORS SPRINGS AND CHECKS

44.E1

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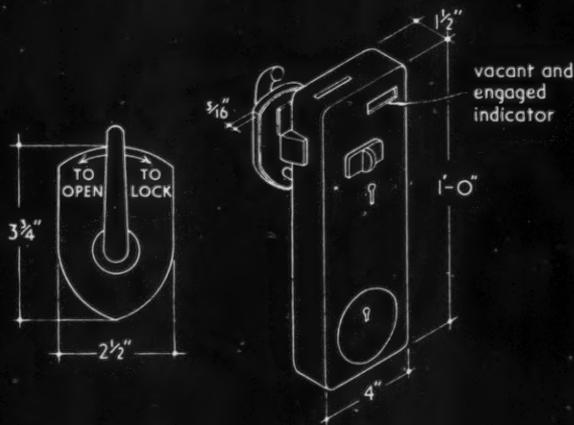
ALTERNATIVE FIXING ASSEMBLIES.



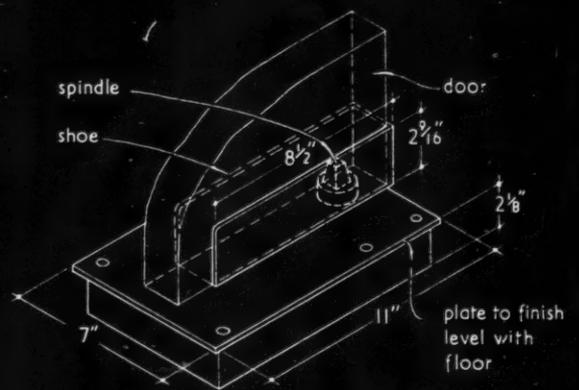
BRITON DOOR SPRING AND CHECK.

model	b	c	f	l	m	p	r	s	y	z
O	3/8"	1 1/16"	4 1/8"	2"	6 1/16"	2 1/16"	5 1/8"	1 3/16"	4 1/16"	4 3/4"
A	1 1/16"	1 1/16"	4 7/16"	2 7/8"	6 3/16"	3 1/16"	5 3/8"	1 7/16"	5 1/2"	5 3/8"
B	7/8"	1 3/4"	4 3/8"	3 1/8"	7 3/8"	3 3/16"	6 3/16"	1 5/8"	6"	6 1/2"
C	1"	1 3/4"	5 3/8"	3 3/8"	8 3/16"	3 3/4"	6 3/8"	1 3/4"	6 7/16"	7 1/4"
D	1 1/16"	1 3/4"	6"	3 1/2"	9 9/16"	3 3/8"	7 7/8"	1 7/8"	6 7/8"	8"
E	1 3/8"	1 3/16"	6 3/8"	3 3/4"	9 1/16"	4 7/16"	7 1/4"	2 7/8"	7 7/16"	8 3/4"

TABLE OF SIZES FOR DIFFERENT MODELS.



PYX COIN OPERATED LOCK.



MONARCH DOUBLE ACTION FLOOR SPRING.

44.E1 DOOR CHECKS AND FITTINGS

This Sheet describes a group of door checks and fittings.

• Briton • Door Spring and Check

This door spring and check is suitable, without alteration, for either right or left-hand doors. It is normally fixed on the swing side of the door; if fixed to the other side a special bracket to fix to the door frame is supplied. The spring can be regulated by hand independently of the hydraulic check.

Construction: The outer case and working parts are of cast and malleable iron. The coil spring is of tempered steel specially manufactured for this purpose only. All parts are interchangeable.

Finish: Gold bronze cellulose.

Service life: The door spring and check is guaranteed for five years.

Applications

Model O—For screens and other very light doors.

Model A—For light inside doors not exceeding 7 ft. by 2 ft. 4 in.

Model B—For inside doors of medium size not exceeding 7 ft. by 2 ft. 9 in.

Model C—For heavy inside and ordinary outside doors not exceeding 7 ft. 6 in. by 3 ft.

Model D—For outside doors of medium size not exceeding 7 ft. 6 in. by 4 ft.

Model E—For heavy outside doors 8 ft. 6 in. by 4 ft.

• Monarch • Double Action Floor Spring

The floor spring is available with ordinary shoes or long adjustable shoes, either type suiting any thickness of door.

In this type of floor spring the box is guaranteed water and oil tight. The patent stuffing box around the spindle prevents water entering at this point or oil creeping. The coil springs are easily regulated and can be made to suit doors up to 150 lb. in weight. The floor spring will open 135° each way—a total arc of 270°. It can also be made to stand open at right angles.

Finish: All exposed parts in polished brass, bronze metal antique or chromium plate.

• Vanguard • Check Hinge and Spring

These will fit any type or size of door that opens one way and are supplied in pairs of one check hinge and

one spring hinge for ordinary doors approximately 7 ft. 6 in. by 3 ft. by 2 in. weighing up to 90 lb. or in sets of one check hinge and two spring hinges for heavy doors approximately 8 ft. by 3 ft. 3 in. by 2½ in. weighing up to 140 lb. By varying the number of spring hinges and check hinges, doors of any size and weight can be worked.

Finish: The standard finish is bronze metal antique.

• Paragon • Double and Single Action Spring Hinges

These hinges are made of heavy gauge polished steel or brass in sizes to suit doors from ¾ in. to 2¼ in. thick.

Finish: Steel—Japanned dead black, bronzed or chromium plated, antique copper bronzed, statuary bronzed and satin brassed or bronzed.

Brass—Polished, bronze metal antique or chromium plated.

• Pyx • Coin Operated Lock

In this type of lock any foreign body put in the coin slot can pass right through the mechanism without interfering with its action. The movement of the lever to the locked position closes the coin slot and prevents a second coin being inserted. The box has a coin capacity of 250 pennies. The fixing is by means of an Allen bolt screw bolting the case to the handle and is secret, no screws being visible when the lock is fixed.

Construction: The outer case is of bronze metal.

Finish: Dull steel bronzed or chromium plated.

• Grip • Door Closer

This door spring is designed for use on doors fitted with coin-operated locks and is fitted on the hinge side opposite the lock. It exerts its maximum force when the door is nearly closed, so as automatically to operate the latch of the coin lock. It may be pivoted out of use if desired.

Finish: Polished brass, bronze metal antique, nickel plated or chromium plated.

Compiled from information supplied by:

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PLASTERER—(continued)

Sundries			
Sharp washed sand to B.S. 1198	per yard cube	16/4	
Cow Hair	per cwt.	84/6	
Goat Hair	per cwt.	102/6	
Expanded metal lathing, 9' 0" × 2' 0" × 3/8" mesh × 26 gauge	per sheet	4/8	
	25-75 yards	150-300 yards	Over 600 yards
1/2" Plasterboard (plaster lath) per yard super	2/2	1/11	1/9
Galvanized lath nails	per cwt.	90/-	
Hessian Scrim cloth in 100-yard rolls, 3 1/2" wide	per roll	7/6	

Wall Tiles

The following prices are subject to 75 per cent. addition: Standard quality.

White, glazed 6" × 6" × 3/8"	per yard super	8/6
Cream	per yard super	9/-
Angle beads (1 1/4" wide)	per yard run	1/0 1/2
Rounded edge tiles (white glazed)	per yard run	1/8
" " (cream glazed)	per yard run	1/9
Coloured enamelled bright glazed, 6" × 6" × 3/8"	per yard super	14/3
Angle beads (1 1/4" wide)	per yard run	1/2 1/2
Rounded edge tiles	per yard run	2/9
Eggshell glazed tiles, 6" × 6" × 3/8"	per yard super	15/-
Angle beads (1 1/4" wide)	per yard run	1/4 1/2
Rounded edge tiles	per yard run	2/10

PLUMBER

Lead

3 1/2 lb. and upwards milled sheet lead in quantities of 5 cwts. to 1 ton in sheets to B.S. 1178	per cwt.	130/9
Lead ternary alloy, No. 2 quality extra over sheet lead or lead pipe	per cwt.	16/9
Allowance for old lead delivered to merchant or manufacturer	per cwt.	103/6

Cast Iron Goods

Percentage Adjustment on List No. 3100 A.B. 1/2/40

Rainwater Goods (painted or unpainted)	Plus 70%
Soil goods (coated or uncoated)	Plus 70%

Mild Steel Rainwater Goods

	Standard List +
Gutters	98%
Pipes and Fittings	108%

Asbestos-Cement Rainwater Goods

The following prices are subject to 12 1/2% trade discount and 2 1/2% cash discount.

Orders over £30 are subject to 17 1/2% trade discount and 2 1/2% cash discount.

Rainwater Pipes.

Prices are for 6' 0" lengths, but 10' 0" lengths are available in 2", 2 1/2", 3" and 4" diameters at same prices. Short lengths up to 2' 0" are charged as 1 yard. From 2' 0" to 4' 0" charged as 1 1/2 yards. From 4' 0" to 6' 0" charged as 2 yards. Over 6' 0" charged as 10' 0"

Round Pipes.

2"	per yard run	2/4
2 1/2"	per yard run	2/7 1/2
3"	per yard run	3/2
4"	per yard run	4/4
6"	per yard run	9/1

Gutters.

Short lengths of gutter up to 2' 0" charged as 1 yard; from 2' 0" to 4' 0" as 1 1/2 yards, and over 4' 0" as 2 yards.

Half round gutters	3"	4"	4 1/2"	5"	6"	8"
per yard run	1/8	2/-	2/1	2/5 1/2	3/5	4/2 1/2
Ogee gutters per yard run	—	2/5 1/2	2/7 1/2	3/2	3/10 1/2	5/-

INTERNAL PLUMBER

Lead pipe in coils, 5 cwts. and upwards, to B.S. 602	per cwt.	132/-			
Lead soil pipe	per cwt.	135/-			
Add if ribbon marked	per cwt.	-/3			
Plumber's solder	per cwt.	322/6			
Tinman's solder	per cwt.	394/-			
Drawn lead traps with brass screw eye, 6 lb. to B.S. 504	1"	1 1/4"	1 1/2"	2"	
S. trap	each	5/3	6/1	7/6	10/10
P. trap	each	4/7	5/-	6/3	8/9
Extra for 3" deep seal "S" trap	each	1/3	1/6	1/8	2/1
Extra for 3" deep seal "P" trap	each	-/10	1/1	1/1	1/6

INTERNAL PLUMBER—(continued)

Screwed and Socketed Steel Tubes and Fittings for Gas, Water and Steam, etc.

Fittings and flanges and tubes ordered in long random lengths are subject to the following trade discounts:—

Tubes:	1/2" to 4"	
Class A	47 1/2%	
" B	41%	
Galvanized Class A	28 1/2%	
" B	23%	
Fittings:		
Lightweight	24 1/2%	
Heavyweight	17%	
Flanges:		
Lightweight (Table D)	13%	
Heavyweight (Table E) Plus	3 1/2%	

COPPERSMITH AND ZINC WORKER

Copper

Hot rolled copper sheeting in 5-cwt. lots (4' × 2' sheets), to B.S. 899	16 wire gauge	per lb.	1/10 1/2
Ditto	24 wire gauge	per lb.	2/0 1/2
Copper wire, 10, 12 and 14 gauge (over 2 cwt.)		per lb.	1/10 1/2
Copper nails		per lb.	2/-

GLAZIER

Sheet Glass, cut to size (ordinary glazing quality), to B.S. 952, Section A. For quantities exceeding 500 ft. super.

24 oz.	per foot super	5 1/2 d.
26 oz.	per foot super	7 1/2 d.
32 oz.	per foot super	9 1/2 d.
Polished Plate glass, ordinary substance, approximately 1/4", to B.S. 952, Section A.		

In plates not exceeding:	Glazing quality	Selected glazing quality	Silvering quality
2 ft. super	2/6	2/8	3/2
3 ft. super	2/10	3/3	3/11
5 ft. super	3/1	3/9	4/8
*45 ft. super	3/9	4/1	5/7
*100 ft. super	4/5	5/7	7/2

* Extra sizes, i.e., plates exceeding 100 ft. super or 160 in. long, or 96 in. wide, at higher prices.

1/2" figured rolled and cathedral, to B.S. 952, Section B—untinted	7 1/2 d.	per foot super
tinted	10 1/2 d.	per foot super
1/2" rolled plate, to B.S. 952, Section B	7 1/2 d.	per foot super
3/16" or 1/4" rolled plate, " "	8 1/2 d.	per foot super
3/16" or 1/4" rough cast, " "	8 1/2 d.	per foot super
Prismatic, to B.S. 952, Section D	1/2 1/2 d.	per foot super
1/2" wired cast, " "	9 1/2 d.	per foot super
1/2" Georgian wired cast, " "	10 1/2 d.	per foot super
1/2" polished wired, " "	3/6 d.	per foot super
1/2" wired arctic, " "	1/8 d.	per foot super

Hollow glass blocks, to B.S. 952, Section D:—

P.B.2. 5 1/2" × 5 1/2" × 3 1/2"	2/6 each
P.B.3. 7 1/2" × 7 1/2" × 3 1/2"	3/10 each
P.B.32. 7 1/2" × 7 1/2" × 3 1/2"	3/10 each

Radiused corner blocks to match up with:—

P.B.2	4/6 each
P.B.3 or 32	6/- each

PAINTER

Snowcem paint (in free air-tight metal containers)	per cwt.	56/-
White ceiling distemper	per cwt.	29/-
Washable distemper	per cwt. from	82/-
Ready mixed white lead paint (best), semi-gloss, per 32 lb.	per gallon	41/6
Aluminium paint (best quality)	per gallon	31/-
White enamel paint	per gallon	41/-
Stiff white lead (genuine English stack process, 1 ton lots, 1 cwt. kegs)	per cwt.	157/6
Liquid driers, best Terebene	per gallon	20/-
Knottling	per gallon	25/-
Oil stain (scumble)	per lb.	3/4 1/2
Varnish (outside quality), copal oak	per gallon	31/-
" " general oak	per gallon	25/-
" " egg shell flattening	per gallon	29/-
Turpentine, genuine American, 5-gallon lots	per gallon	—
" substitute	per gallon	3/8
Linseed Oil Putty	per cwt.	53/3
Ferramastic (14 lb. kegs)	per cwt.	76/9
Size, in 1 S, best quality	per lb.	2/4

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TECHNICAL SECTION

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

INFORMATION CENTRE

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

2.69 planning: general T AND CP ACT: CLAIMS

Claims under Part VI of the T & CP Act, 1947. A Paper by Basil Evans to London and Home Counties Branch, Inst. of Registered Architects, Nov. 12, 1948.

A concise account of the Compensation Fund of £300 m. set up by this part of the Act, its purposes, possible claimants, with notes on the principles of valuation involved.

This is a useful paper, keeping strictly within the bounds set for itself. It can be recommended not only as a general guide to this part of the Act but also as a permanent notebook containing all the points which should be borne in mind when estimating or negotiating claims on the Compensation Fund. From the architect's point of view the information given on how the principles and methods of valuation must be applied in this field should be a useful addition to his working knowledge.

8.11 surveying and specification QUANTITY SURVEYING

More Advanced Quantity Surveying. Arthur J. Willis. (Crosby Lockwood & Sons Ltd. 4th Edition, 1948. 30s.)

A book for students who already have a knowledge of this subject and who wish to bring their knowledge up to the standard required for the Final Examination of the Royal Institution of Chartered Surveyors.

This book is a sequel to "Elements of Quantity Surveying" by the same author. It contains numerous examples of a more advanced character and includes chapters on structural steelwork, reinforced concrete and other work which is beyond the scope of the other book.

Working-up is not included as the student should already be conversant with this aspect of the quantity surveyor's work, but separate chapters are devoted to the completion of the bill and receipt of tenders and to the writing of the specification. There are, also, some useful appendices, one of which shows a typical form of tender.

The examples are well selected and a feature of the book is the loose set of drawings in a special folder, which accompanies it. These make it possible for the student to "take-off" from independent drawings of a reasonable size, just as he would in an office.

The new edition brings the work into line with the latest edition of the Standard Method of Measurement and it can be thoroughly recommended as a reliable, up-to-date work on this subject.

8.12 surveying and specification QUANTITIES

Fletcher's Quantities. Revised by A. E. Baylis. (B. T. Batsford, Ltd. 12th Edition, 1948. 30s.)

A book of nearly 700 pages, dealing with all aspects of the Quantity Surveyor's work. Particularly recommended as a Text Book for students whose studies have already reached a fairly advanced stage or as a reference book for Surveyors already in practice.

This book has long since established its reputation as a text book. It is not intended merely to teach taking-off, but covers the whole field of Quantity Surveying and all that is implied in the modern interpretation of that term.

Like most books on the subject, it devotes a chapter to each of the trades—Excavator, Concretor, Bricklayer, etc., but it also contains chapters on many other aspects of the Quantity Surveyor's work, including "Group" taking-off, approximate estimates, schedules of rates, repairs, Northern and Scottish Methods, Civil Engineering work, handling and adjusting contracts, and the Law.

There are many examples and illustrations and useful appendices giving details of examinations and other memoranda. In the new edition, the work has been considerably revised. The taking off has been brought into line with the latest edition of the "Standard Method of Measurement," there is a new chapter on "Preliminaries, Works on Site and Spot Bills," and many chapters have been enlarged, including those dealing with Civil Engineering, repairs and handling and adjusting contracts.

It can be thoroughly recommended as a most comprehensive work which has now been brought right up to date.

11.12 materials: general BUILDING RESEARCH

Building Research, 1940-45. (HMSO, 1948. 3s. 6d.)

Report of the work of BRS. Useful summary of research and complete list of publications and contributions to technical journals.

The work of BRS during the war years included a variety of subjects which were little related to building. In the later years covered by this report a beginning was made on post-war problems and the important work on Post-War Study Committees and Codes of Practice was commenced. For detailed information on any particular matter this report is of little value, but it serves a useful purpose as a quick reminder of the vast scope of the work now covered by the Station and is worth a quick study from this point of view. It also contains a list of all BRS publications and of all contributions to Technical Journals by members of the staff during the years 1940-45. This list is itself a most useful reference.

12.29 materials: metal RAINWATER GOODS: COPPER, ZINC

Wrought Copper and Wrought Zinc Rainwater Goods. BS 1431:194. (British Standards Institution. 2s. 6d.)

Quality and sizes of gutters, pipes and fittings, together with notes on methods of fixing.

13.36 materials: timber FLOOR FINISHES

Timber Flooring. Draft BS C. of P. 201:1948 and Sub-Codes. (British Standards Institution, 5s.)

Main Code discusses design considerations, quality of timber, types of sub-floor, delivery and storage of timber, etc. Includes table of suitable timbers. Three sub-codes will deal respectively with hardwood and softwood board and strip flooring, woodblock flooring, and plywood flooring. Only the first and third of these are incorporated in this document.

This code and the sub-codes deal with matters fairly generally understood. The



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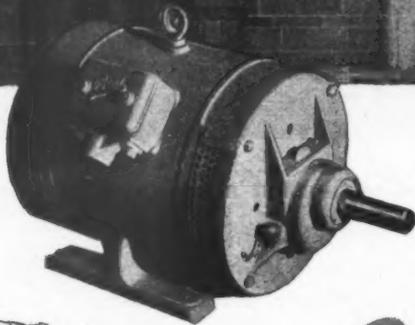


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most useful features perhaps are the tabulated list of timbers suitable for flooring and a considered opinion on methods of fixing boarded floors to a concrete flooring which is in contact with the ground. In the tabulated list there are useful notes about colour, shrinkage and wear resistance. The text references to the methods of fixing to concrete appear to contain a mistake in numbering.

It is most unfortunate that the second sub-code could not be incorporated in the same document.

17.44 construction: general HOUSE CONSTRUCTION

New Methods of House Construction. National Building Studies. Special Report No. 4. MOW. (HMSO. 1948. 1s.)

Comparative analysis of cost and man hours required for the fabric of 9 types of permanent non-traditional houses.

This report deals with a series of experiments in the manufacture and erection of permanent houses by non-traditional methods. Out of the great number of unorthodox types put forward by the industry during the last years of the war and in the early post-war period the MOW has selected 9 types for the purpose of a close investigation of cost and man-hours. Although the names of the types are not given in the report, from their description and from the 8 types illustrated it is not difficult to identify them. The houses were built in groups of 46 to 150 on sites in various parts of the country. As a condition of the contracts with the firms concerned, the MOW had full facilities for observation, both in the factories and on the sites. Similar observations were made on 4 sites of traditional houses, each comprising 50 to 52 units.

The experiments were confined to the external walls, party walls and partitions, representing only about one-third of the total site labour in a complete house.

In order to obtain reliable data which could be used as a basis of comparison between the various systems under consideration, it was clear from the outset of the experiments that the usual methods of estimating and costing current in the building industry would be inadequate. Most sites under observation involved widely differing types of construction, and this fact made necessary the use of a method of observation applicable to all sites and systems, providing results which, on analysis, would facilitate rapid comparison as between one system of construction and another. A new technique had to be developed, based upon the preparation of a Schedule of Operations for each house to be examined. A typical schedule shows the house divided into 18 major groups, each of which is subdivided into its component range of constructional operations. Some details of the method of observation and comparison adopted are given in the report, but a full description of the statistical techniques used will be given separately.

The object of the investigation is to yield conclusions about the erection times, the costs, and the performance of similar houses in the future. For the purposes of forecasting, it is not enough to obtain the average, say, of erection times of a component on a given site, but this must be accompanied by some measure which indicates how far from it (at most) future averages may be expected to lie. This measure is called a "confidence interval," and the technique of obtaining it depends on taking account of the variability of past performances—say of erection times of the same component on the same site and on different sites. The importance of this measure is exemplified by comparison made with one type of house on two different sites. The performance on

one site is notably better than that at another site.

The report contains in a condensed form a vast amount of valuable information and arrives at some interesting conclusions regarding the relative merits of the various systems which have been investigated. It is concluded that the two cast *in situ* types (one with double leaf walls, the other with 12 in. thick no-fines concrete walls) are likely to be significantly cheaper in prime costs than the traditional brick house. Two types (one of them in an improved form) comprising precast concrete posts and panels, easily man-handled, and one type composed of large precast concrete wall panels designed for crane-handling are likely to be comparable in cost with the cast *in situ* types. One type with precast concrete frame and precast concrete slabs both internally and externally should be comparable in cost with the traditional brick house and one type using large precast concrete external wall elements just capable of being man-handled will be appreciably more expensive.

Regarding a type consisting of large precast units erected by a special gantry system and a timber-framed type, covered externally to the first floor with 4½ in. brickwork and from first floor to eaves with metal sheets, no such definite conclusions are drawn since the results depend on various factors which cannot be foreseen.

From the point of view of total labour-requirement, the ultimate advantages in favour of the best of the non-traditional houses are very considerable. Two of the best of the non-traditional systems save about 30 and 40 per cent. respectively on the portion represented by their external walls, party walls and partitions, as compared with traditional brick.

The information about the ratio of skilled to unskilled labour is less reliable than the total labour cost. On an average, the non-traditional schemes save both skilled and unskilled labour compared with the traditional and the saving in skilled labour is both relatively and absolutely greater.

The report also contains a comparison of the quantities of critical materials (coal, steel, cement) required. Under present conditions the concrete houses make the minimum demand on critical materials and in this respect the *in situ* types are at an advantage against those with precast units since a certain amount of steel has to be provided for resisting stresses during handling. The extreme importance of reducing the steel content was not realised when the houses were designed and in some of them the steel content could be appreciably reduced.

The better ones of the new systems of construction require for their production about the same amount of coal per house as the traditional house built in Fletton bricks. Other bricks require on the average nearly double the amount of coal, and the non-traditional houses then show to great advantage.

It should be noted that the areas of the various types of houses are not identical. In the non-traditional types the areas varied between 893 and 959 sq. ft. and in the traditional types between 889 and 1,021 sq. ft. It is not clear whether or how this variation in areas has been taken into account in the comparative analysis of costs and man-hours.

19.54 construction: details. PRECAST FLOORS

Le Plancher Préfabriqué en Béton. Paulin Roger. (Cahiers du Centre Scientifique et Technique du Batiment. Cahier 2, Juillet, 1943, pp. I-XXXI.)

Classification and description of various systems of precast floors in ordinary reinforced and prestressed concrete.

This is an interesting survey of 47 different systems of fully or partly precast reinforced concrete floors used in France. All systems are illustrated and data regarding dimensions, weights, steel consumption, max. span, etc., are given. Some of the systems are also known in this country. Of particular interest are the eight systems for prestressed floors.

20.105 construction: complete structures PRECAST CONCRETE SHEDS

Hangars Préfabriqués en Béton Armé. (Cahiers du Centre Scientifique et Technique du Batiment. Cahier 3, Juillet, 1948, pp. I-XIV.)

Description of three systems of precast reinforced concrete frames used in France. Comparison of cost, weight, etc. One of the systems, known as the Lamda system, already referred to in 20.48.

24.101 lighting KITCHEN LIGHTING

An Appraisal of Kitchen Lighting Elements. J. Reynolds and A. Kakily. (Illum. Eng. [USA]. Nov., 1948, p. 1015.)

Single ceiling fittings and distributed sources; tungsten and fluorescent; quantity and quality of light. Moderately interesting.

Chiefly a report of trials with different lighting units in an ordinary kitchen. Several ceiling units were tried in a central location. Those which gave intensities up to code values resulted in glare at the source. This was particularly true of fluorescent units such as the compounds of two to four small tubes, exposed. One or two fittings with diffusers over the tubes were said to be less glaring, but gave less light of course.

For some reason or other the authors jumped from one source in the wrong place to five or six distributed sources, and managed to find a way to locate them to be comfortable and effective. They do not seem to have considered the intermediate ideas such as those in P.W. Building Study 12, where two sources were recommended, one general and one for sink and cooker.

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

QUESTIONS AND ANSWERS

2971 LOW PITCH TILED ROOFS

Q I have seen roof tiles in Italy fixed at a very low angle of inclination. Would it be possible to fix them at a similar angle in England?

A The type of tile about which you are enquiring is presumably the Roman Tile—these are fixed at an angle of inclination as low as 15° in the south of Italy increasing to 30° in the north. The latter would be an average angle in England and would be sufficient to prevent rain from penetrating beneath the tiles.



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

THE INDUSTRY

By Brian Grant

STRUCTURAL PLASTICS

Originally produced during the war to satisfy a demand by the Admiralty for some form of light fire resistant structural partitioning, Holoplast was first announced to the building industry rather more than two years ago. Since that time it has been seen at a number of exhibitions, and has been widely used for ship work as well as in the building industry. The essential constructional details are very well set out in the firm's new Technical Manual which contains all the basic data and 20 pages or more of working drawings.

The standard panel 8 ft. by 4 ft. by 1 in., which consists of a series of double T girders with webs at 2 in. centres is now fairly well known, and is made from resin-impregnated kraft paper wound over tapered formers and cured under pressure and heat. For sound reduction or absorption, or heat insulation, the cavities can be filled with various materials such as kapok, glass silk or slag wool, while the sound absorbent panels also have one face perforated with $\frac{1}{8}$ in. diameter holes. The normal surface finish of the panels is smooth, but a hammered finish is also available, and veneers can also be incorporated in the surface during manufacture.

Since the structural panels are exceptionally stiff for their weight they are quite unsuitable for any work where a curved surface is required, but linings with the same surface finish as the panels are also made in the same sizes, but in thicknesses from $\frac{1}{8}$ in. to $\frac{1}{2}$ in., and these can be curved to varying radii (according to thickness) down to about 1 ft. 6 in. where the design calls for a certain amount of curved surface such as at the corners of rooms, or for furniture. These linings, however, can only be bent to very slight compound curves, and with any considerable degree of curvature the Holoplast veneers should be used.

Holoplast is also made in 8 ft. by 4 ft. panels, $\frac{1}{2}$ in. to $\frac{1}{4}$ in. thick, and with three different non-slip patterns, for use as an industrial flooring, or for stair treads and door kicking plates; fixing can be by screws or by bedding in mastic.

The structural panel is essentially a material which lends itself to prefabrication, as it can be cut to accurate dimensions and part assembled in the joiner's shop. For assembling partitions a considerable range of aluminium extruded sections is available, while the panels can also be joined by inserting a densified wood tongue at the edges. Since the structural strength of the material is considerable, it is possible to fix such things as electric light brackets, shelves and lavatory basins direct to the panels with self-tapping screws, while the cavities in the panels form useful ducts for wiring purposes.

So far as the builder is concerned, there are no particular difficulties in using the material. Cutting, planing and routing can be carried out with normal wood or metal working equipment, the best results being obtained with power operated tools. Hand tools, however, are perfectly satisfactory,

and cutting on the site can be done with joiner's standard panel and tenon saws as long as they are properly sharp, while a coping saw or an Abraflex can be used for the more intricate work of fitting locks and switches, or any other jobs where the webs have to be cut away.

Some of the constructional details from the manual are reproduced on this page, and show methods of fixing partitions and typical corner joints where the panels are used for furniture making. The technical data on the material itself is exceptionally full, probably fuller than the architect really needs, but this is a good fault and the whole manual is a very good example of the way a new material should be presented. (Holoplast, Ltd., New Hythe, near Maidstone, Kent.)

VERMICULITE

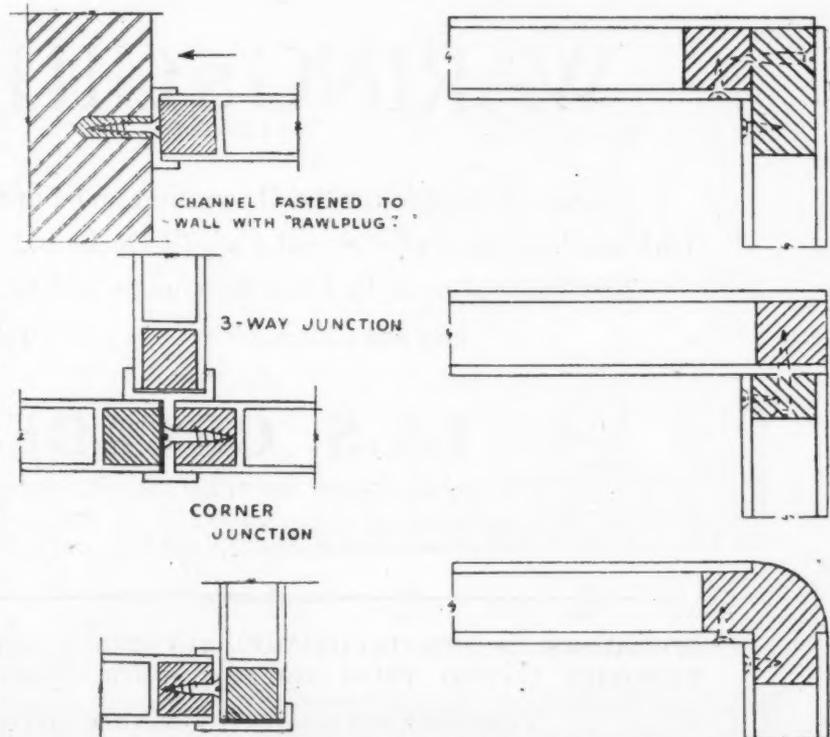
There is another new material about which we know far too little, and after reading the Holoplast manual it seems doubly a pity that vermiculite should not also be adequately presented. One firm has sent me a semi-humorous three page reprint from the U.S. *Science Digest* of an article entitled "Popped Rock Skyscrapers," which is hardly likely to do very much good. That it is a material which expands under heat we know, but when used in concrete does it merely "replace sand and gravel"? and does it really save up to two-thirds of construction weight, and if so two-thirds of what? This sort of publicity may be intended as no more than bait to persuade us to write for further information, but it also leaves the impression that the manufacturer doesn't really know what we want. Fortunately, another firm has produced a more factual 8-page leaflet which has in it some useful information, with figures for weight, fire resistance and sound absorption. Vermiculite concrete can be sawn with a hand saw, and will hold nails and screws, which does not seem likely to lead to any great diffi-

culties on the site, the only point being that it should not be mixed for too long and that it should be placed without rodding or vibration. Messrs. Plysyl, who seem more interested in facts than in humour, have also evolved an interesting floor and roof unit in which vermiculite slabs replace the usual hollow tiles, and they also produce precast partition and insulation panels 8 ft. by 1 ft. 9 in. with a thickness of 2½ inches, and tongued and grooved at the edges. (Plysyl Formwork, Ltd., 246-248, Great Portland Street, London, W.1.)

STANDARD SCREW THREADS

Without any great amount of shouting the old question of the British Whitworth and the American standard (or Sellars) screw thread was settled in London last summer. For rather more than 100 years the Whitworth thread has been the standard in this country, but as it has an angle of 55° and a rounded root and top it will not fit the American standard, which has a 60° face and is square at root and top. During the war this led to immense complications, as it was not possible to cannibalise American and British versions of the same weapon. Discussions on a common standard started as long ago as 1941, and have even now only reached finality as a result of the joint armaments programme. The compromise now agreed is for a 60° face angle with a rounded base and a truncated top for the thread, a change which is expensive for the British manufacturer, but which should not affect the Americans very much, as with the present technique of rolling rather than cutting threads the root of the thread is rounded anyway. The British manufacturer, on the other hand, has to make a considerably greater change.

So far as industry is concerned, the new standard will not be compulsory except on contracts for the Services, but a draft BSS is in preparation and should be ready at the beginning of next month. The first in-



Constructional details from the Holoplast Technical Manual: left, walls and partitions; right, furniture corners.

dustries to adopt the new thread will presumably be the ones most interested in export markets, and so far as the building industry is concerned the change will probably take some considerable time. The new dimensions apply only to sizes over 1/2 in. diameter, so the electrical industry will continue to use the present British Association thread. In the new sizes it has been shown by the NPL that the new nuts will fit the old Whitworth bolts in all sizes up to about 1/2 inch, and *vice versa*. Both types of thread will continue to be made until such time as tools are due for replacement and the new standard ultimately becomes universal, but it does not look as though the change should lead to any special troubles in the building industry.

F/A.R.I.B.A., at 299, Mitcham Road, Tooting, S.W.17 (Balham 6756) and will be pleased to receive trade catalogues, price lists and literature.

Messrs. John S. Scott, A/A.R.I.B.A., of Birmingham, have opened a Branch Office at Milton-under-Wychwood, Oxfordshire, and would be glad if trade catalogues could be sent to this address.

Mr. B. Stevens, L.R.I.B.A., F.R.I.C.S., of 31, Cornfield Road, Eastbourne, Sussex, has now taken into partnership Mr. A. J. McDonough, A.R.I.C.S., Regd. Architect, of Eastbourne, and Mr. A. C. S. Hickey, Dip. Arch., (Manchester) A.R.I.B.A., of Hastings, and the firm will in future practise under the name of B. Stevens and Partners, at the above address.

The National Headquarters of the Design and Industries Association have moved to 13, Suffolk Street, Haymarket, S.W.1. Whitehall 0540.

At the first plastics exhibition in France since 1939, to open shortly at the Pavillon de Marsan (Palais du Louvre), table tops, tables, a hanging bookshelf and a wall section all of Formica (De La Rue Insulation, Ltd.), decorative laminated plastic, will be displayed together with prize-winning exhibits at the American Plastics Exhibition, which were recently on show in this country.

Burroughs Adding Machine Company has, in conjunction with the British Board of Trade and Scottish Industrial Estates Ltd., completed negotiations for a factory of 150,000 square feet at present under construction on the Vale of Leven Industrial Estate near Loch Lomond, 16 miles from Glasgow. The new factory, to be used for the manufacture of various types of Burroughs machines, will come into operation during 1949, and should reach full production in 1950.

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

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Announcements

Mr. C. J. Cheale, L.R.I.B.A., has purchased the practice of Mr. W. E. Renwell Randall, F.I.A.A., L.R.I.B.A., F.S.I., Chartered Architect and Chartered Surveyor, 21, Railway Street, Chatham. Having taken everything over, Mr. Cheale will continue the practice from this address under his own name.

Mr. N. Edgar, A.R.I.B.A., is taking up an appointment with the Newcastle-upon-Tyne Regional Hospital Board as Divisional Assistant Architect for Cumberland and North Westmorland. His temporary address is 1, Alfred Street North, Carlisle, and he will be pleased to receive trade catalogues and works of reference.

Mr. R. G. Covell, F.R.I.B.A., has taken into partnership Mr. A. E. Thurman Matthews, A.R.I.B.A., who has resigned his appointment as planning officer to the Architect of the London County Council. They will practise under the style of Covell and Matthews,

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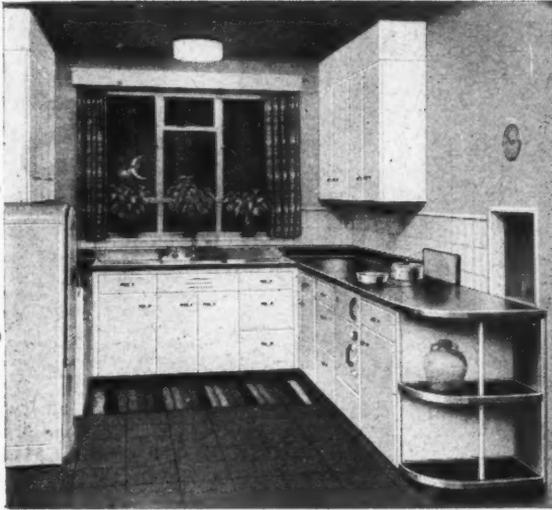
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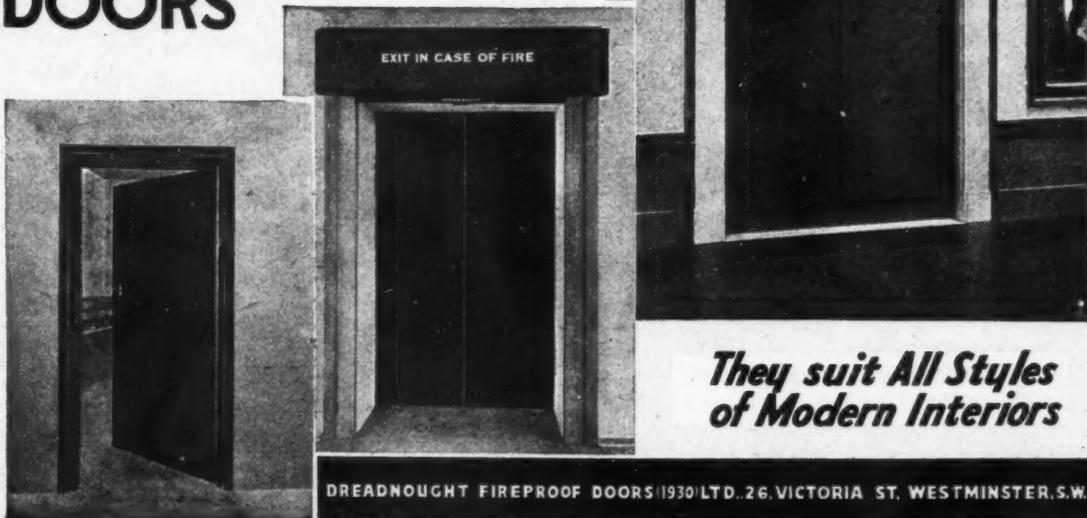
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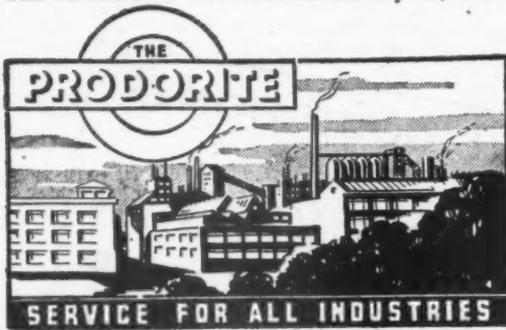
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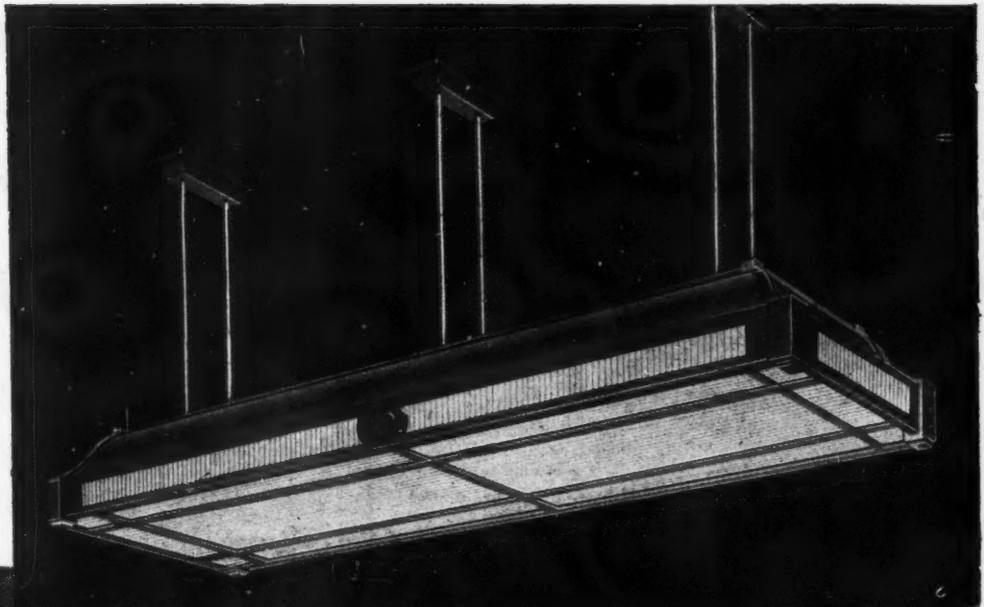
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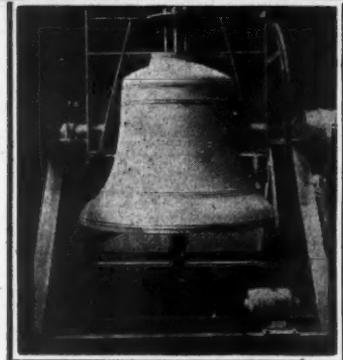
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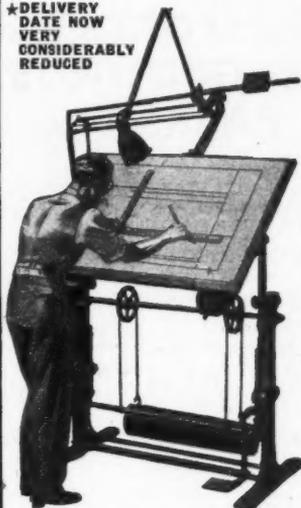
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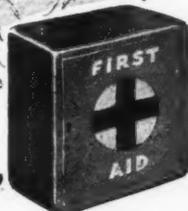
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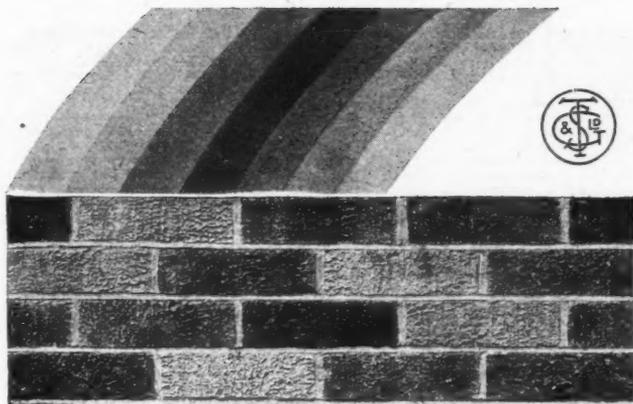
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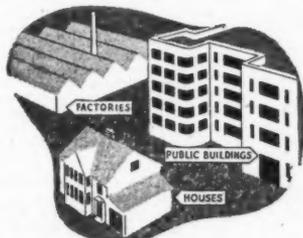
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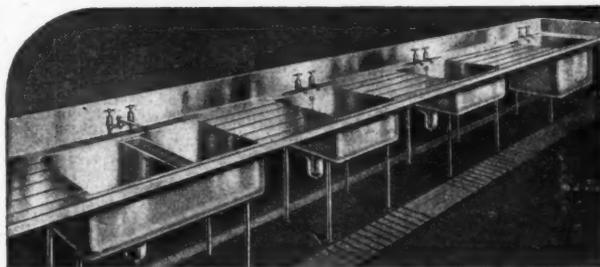


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Applications are invited for the appointment of ASSISTANT ARCHITECT (permanent), Grade A.P.T., £230-£140. Candidates should be Registered Architects, with good experience in the design and construction of schools, and preferably Associate Members, R.I.B.A.

Forms of application may be obtained from the Director of Education, Town Hall, Wallasey, to whom completed forms should be returned not later than ten days from the appearance of this advertisement.

EMRYS EVANS, Town Clerk. 1278

LONDON COUNTY COUNCIL.

ARCHITECTS' DEPARTMENT. VACANCIES FOR BUILDING SURVEYORS.

Applications are invited for positions on the surveying staff of the Architect's Department dealing mainly with the central administration of the London Building Acts (including means of escape and general building regulations). Candidates should have knowledge of building construction. Those who have passed Final or Intermediate R.I.C.S. preferred. Salaries up to £580 a year, according to experience and qualifications. Successful candidates will be temporary in the first instance (contributing to the Council's Superannuation Scheme).

Application forms and further particulars from the Architect (A.R./B.R.), County Hall, Westminster Bridge, S.E.1, enclosing stamped addressed envelope. Canvassing disqualified. (2342) 1205

METROPOLITAN BOROUGH OF POPLAR.

Appointments of—

(a) ARCHITECTURAL ASSISTANT (A.P.T., IV).

(b) ARCHITECTURAL ASSISTANT (Misc. I). Applicants are invited from suitably qualified persons for the above-mentioned appointments on the permanent establishment of the Borough Engineer and Surveyor's Department.

Full details of the appointments and forms of application may be obtained from the Borough Engineer and Surveyor, Poplar Town Hall, Bow Road, E.3, to whom completed applications must be delivered not later than first post on Monday, 24th January, 1949. 1276

METROPOLITAN BOROUGH OF HOLBORN. HOUSING AND PLANNING DEPARTMENT.

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

(a) ASSISTANT ARCHITECT. Salary Grade A.P.T., V, commencing at £520 per annum, rising by two increments of £15 and one of £20 to a maximum of £570 per annum, plus London weighting (at present £30 p.a.).

Candidates should be suitably qualified Architects, and should have had a good general architectural training, including experience in the preparation of sketch plans, specifications and estimates. They should also be used to supervising works in progress. Experience in Municipal housing in London would be an advantage.

(b) ESTATES ASSISTANT. Salary Grades A.P.T., C-VI. Grade V commences at £520 per annum, rising by two increments of £15 and one of £20 to a maximum of £595 per annum, rising by two increments of £20 and one of £25 to a maximum of £660, plus London weighting in each case, now £30 p.a.

Candidates must be qualified Architects or Surveyors, and must have a sound practical knowledge of building construction. The successful candidate will be required to handle all orders for the repair and maintenance of requisitioned property, to inspect buildings, prepare schedules of condition and specifications, and to supervise and speed the progress of repairs and other works.

(c) JUNIOR ASSISTANT ARCHITECT. Salary Grade A.P.T., II, commencing at £420 per annum, rising by three increments of £15 to £465 per annum, plus London weighting.

Candidates should have passed their Intermediate examination of the R.I.B.A., or be engaged on a recognized course of study for the examination. They should have had some experience in an Architect's Department of a Local Authority. They should be able to carry out surveys and prepare sketch plan and working drawings under supervision.

No application forms will be issued. Full particulars, together with the names of three referees, to the Town Clerk, Town Hall, 197, High Holborn, W.C.1, not later than 13th January, 1949.

WARWICKSHIRE COUNTY COUNCIL. ARCHITECTS' DEPARTMENT.

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

ASSISTANT ARCHITECT. Grade VI, commencing salary £595, rising, subject to satisfactory service, by two increments of £20 per annum and one of £25 to a maximum of £660 per annum.

ASSISTANT ARCHITECT. Grade A.P.T., V, commencing salary £520, rising, subject to satisfactory service, by two annual increments of £15 per annum and one of £20 to a maximum of £570 per annum.

Applicants for the above-mentioned posts should be Associate Members of the R.I.B.A.

ASSISTANT ARCHITECT. Grade A.P.T., II, commencing salary £420 per annum, rising, subject to satisfactory service, by annual increments of £15 per annum, to a maximum of £465 per annum.

JUNIOR ASSISTANT ARCHITECTS. Grade A.P.T., I, commencing salary £390 per annum, rising, subject to satisfactory service, by annual increments of £15 to a maximum of £435 per annum.

All the above appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Application forms can be obtained from C. H. Elkins, F.R.I.B.A., A.R.I.C.E., County Architect, Shire Hall, Warwick, to whom they are returnable within 14 days of the appearance of this advertisement.

L. EDGAR STEPHENS, Clerk of the Council. 1324

SHIRE HALL, WARWICK.

WEST SUFFOLK COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT.

Applications are invited for the appointment of ASSISTANT PLANNING OFFICER in the above Department at Bury St. Edmunds. The salary will commence at £700 and rise by annual increments of £25 to £800 per annum.

The Officer will be required to take charge of the Department under the direction of the County Planning Officer (who is Joint Planning Officer for East and West Suffolk), for the purposes of the survey and the development plan and the supervision of development control. He should have had wide experience in all aspects of Town and Country Planning, Development Control, and the preparation of factual surveys.

Applicants for the appointment should be either Members or Associate Members of the Town Planning Institute, and preference will be given to those possessing qualifications in either Architecture, Engineering or Surveying. The successful candidate will be required to provide a motor car, for which he will be paid a travelling allowance in accordance with the County Scale.

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

Applications in own handwriting, stating age, education, war service (if any), experience, present position and salary, together with the names of two referees, should be submitted as soon as possible.

L. G. H. MUNSEY, Clerk of the County Council. Shire Hall, Bury St. Edmunds. 30th December, 1948. 1388

BOROUGH OF MACCLESFIELD. APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of a Senior Architectural Assistant, at a salary in accordance with Grade A.P.T., V(a), of the National Scales (Consolidated), commencing at £550 per annum, rising to £610 per annum.

Candidates should be Associates of the R.I.B.A. and must have had a thorough training and experience in Architectural work. Preference will be given to applicants who have had experience in Municipal housing.

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

Applications, stating age, experience and qualifications, and accompanied by a copy of a recent testimonial, and giving the names, etc., of two referees, should reach the undersigned not later than Wednesday, 19th January, 1949.

WALTER ISAAC, Town Clerk. Town Hall, Macclesfield. 24th December, 1948. 1263

BOROUGH OF STOCKTON-ON-TEES. BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of ASSISTANT QUANTITY SURVEYOR at a salary in accordance with A.P.T., Grade IV, £480-£525 per annum.

Candidates must be capable of undertaking all stages of work in the preparation of bills of quantities, specifications, and preliminary estimates.

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

Housing accommodation, if necessary, will be made available to the successful applicant.

Applications, stating age, present appointment and salary and previous experience, accompanied by a copy of one recent testimonial, together with the names and addresses of two persons to whom reference may be made, must reach me not later than Monday, the 31st January, 1949.

FRANK HILL, Town Clerk. Barclays Bank Chambers, Stockton-on-Tees. 28th December, 1948. 1252

NORTHAMPTONSHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the A.P.T. Grades, VII to VIII (£635, rising to £760); the commencing salaries will be determined according to experience:—

(a) ASSISTANT ARCHITECTS (TWO). Candidates should be Associates of the R.I.B.A. and have good general experience in the design and construction of public buildings, including schools. Training at one of the recognized schools of architecture will be an asset.

(b) ASSISTANT QUANTITY SURVEYOR. Candidates must be capable of undertaking all stages of work in the preparation of bills of quantities, specifications and preliminary estimates. Preference will be given to Associates of the R.I.C.S.

The appointments will be determinable by one month's notice on either side, and will be subject to the provisions of the Local Government Superannuation Acts. Travelling and subsistence allowances will be paid in accordance with the Council's approved scales.

No forms of application will be issued, but applicants should give particulars of age, qualifications, training, experience and war service (if any), together with the names, status and addresses of two persons to whom reference can be made. Applications, endorsed "Assistant Architect" or "Assistant Quantity Surveyor" as the case may be, must be forwarded to the County Architect, County Hall, Northampton, not later than 24th January, 1949.

J. ALAN TURNER, Clerk of the County Council. County Hall, Northampton. 30th December, 1948. 1244

LANCASHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff:—

(a) ASSISTANT HEATING ENGINEER. Grade VI. Salary £595-£660 per annum. Applicants should be experienced in the design of heating and hot water installations of buildings, and must be Corporate Members of the Institute of Heating and Ventilating Engineers.

(b) JUNIOR QUANTITY SURVEYORS. A.P.T., Grade I. Salary £390-£435 per annum. Applicants should be experienced in abstracting and working up.

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

Applications should be forwarded on the forms to be obtained from the County Architect, G. Noel Hill, F.R.I.B.A., M.T.P.I., County Offices, Preston, to whom they should be returned, accompanied by copies of three recent testimonials, to arrive not later than Saturday, 15th January, 1949.

R. H. ADCOCK, Clerk of the County Council. County Offices, Preston. 22nd December, 1948. 1236

EAST ANGLIAN REGIONAL HOSPITAL BOARD.

The Board invite applications for the following appointments in the Architect's Department of the Headquarters staff:

AREA CLERK OF WORKS:

- One for the Ipswich area.
 - One for the Norwich area.
 - One for the Peterborough area.
- The distances to be covered in each case are considerable, and the successful candidates will be required to use their own motor vehicle on the Board's business, for which an allowance will be payable. They will also be required to reside in the area to which they are appointed. Candidates should state in their forms of application the post for which they are applying. The salary will be according to Grade V of the A.P.T. Division of the National Salary Scales (£520 × £15 plus £20-£570).

ARCHITECTURAL ASSISTANTS:

The salary scale will be according to Grade III of the A.P.T. Division of the National Salary Scales (£450 × £15-£495).

DRAUGHTSMEN:

The salary scale will be according to Grade II of the A.P.T. Division of the National Salary Scales (£420 × £15-£465).

ADMINISTRATIVE OFFICER:

Candidates should have good general experience of administration and office routine; knowledge of the work of an Architect's office will be considered an additional qualification. The salary will be according to Grade III of the A.P.T. Division of the National Salary Scales (£450 × £15-£495).

All the above appointments will be subject to the National Health Service (Superannuation) Regulations, 1947, and deductions from salary for superannuation purposes will be at the rate of 6 per cent. Successful candidates will be required to pass a medical examination.

Applications, stating age, education, qualifications, and experience, giving the names of three referees, should reach the undersigned not later than 25th January, 1949.

K. V. F. MORTON,
Secretary.

111, Chesterton Road, Cambridge.
4th January, 1949.

TK/AS. 1338

FLINTSHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

Applications are invited for the following appointment:

PLANNING ASSISTANT (ARCHITECTURAL), at a salary in accordance with Grade A.P.T., VI (£595, rising to £660 per annum, consolidated). Applicants should have had considerable experience, including the control of development, in the Planning Office of a local authority or joint planning committee, and particularly on the architectural side of planning. The possession of a recognized architectural qualification and Corporate Membership of the Town Planning Institute is desirable. A car is essential in connection with the appointment, for which an allowance will be made in accordance with the National Joint Council's scale.

The appointment will be subject to (a) the National Scheme of Conditions of Service, as modified by the County Council; (b) the Local Government Superannuation Act, 1937, and (c) the passing satisfactorily of a medical examination.

Applications will be considered from registered disabled persons.

Applications, on a form to be obtained from the undersigned, accompanied by copy of one recent testimonial and the names and addresses of two other persons to whom direct reference can be made, are to be submitted to me not later than the 24th January, 1949.

W. HUGH JONES,
Clerk of the County Council.

County Buildings, Mold.
January, 1949. 1249

HAMPSHIRE COUNTY COUNCIL.

Applications are invited for the following appointments on the established staff of the County Architect's Department:

(a) ASSISTANT COUNTY ARCHITECT. Salary £760 × £25 to £860.

(b) TWO SENIOR ASSISTANT ARCHITECTS. Grade VI. £595 × £20 and £25 to £660.

(c) ARCHITECTURAL ASSISTANT. Grade II. £420 × £15 to £465.

Candidates for appointment (a) must be Registered Architects, preferably A.R.I.B.A., with wide experience in the work of a County Architect's Department, including administration and structural design.

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

Candidates for appointment (c) should have passed the Intermediate examination of the R.I.B.A. and have had some experience in an Architect's office.

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

Appointment (a) will be terminable by three months' notice and appointments (b) and (c) by one month's notice on either side.

Applications should be made on forms to be obtained from the County Architect, The Castle, Winchester, to whom they should be returned not later than Monday, 24th January, 1949.

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

The Castle, Winchester.
January, 1949. 1317

NORTHERN IRELAND HOUSING TRUST. APPOINTMENT OF ARCHITECTS, ENGINEERS AND QUANTITY SURVEYORS.

Applications are invited for the following posts:

(a) ASSISTANT ARCHITECTS. Grade I, salary scale £700 × £25-£900; ASSISTANT ARCHITECTS. Grade II, salary scale £500 × £25-£750; ASSISTANT ARCHITECTS. Grade III, salary scale £400 × £20-£600; ARCHITECTURAL ASSISTANTS. Grade IV, salary scale £250 × £20-£500.

Applicants for Grade I, II and III posts should be Fellows or Associates of the R.I.B.A.

(b) ASSISTANT CIVIL ENGINEERS. Grade II, salary scale £500 × £25-£750; ASSISTANT CIVIL ENGINEERS. Grade III, salary scale £400 × £20-£600; ENGINEERING ASSISTANTS. Grade IV, salary scale £250 × £20-£500.

Applicants for Grade II and III posts should hold a University Degree in Civil Engineering and/or be Corporate Members of the Institution of Civil Engineers or the Institution of Municipal and County Engineers.

(c) QUANTITY SURVEYORS. Grade II, salary scale £500 × £25-£750; QUANTITY SURVEYORS. Grade III, salary scale £400 × £20-£600; ASSISTANT QUANTITY SURVEYORS. Grade IV, salary scale £250 × £20-£500.

Applicants for Grade II and III posts should be Members of the Royal Institution of Chartered Surveyors and be experienced in the preparation of Estimates, Bills of Quantities, Measuring-up, and the adjustment of Final Accounts in connection with housing schemes.

Applicants for the Assistant Quantity Surveyor posts, Grade IV, should have passed the Intermediate examination of the same body and be experienced in similar duties.

Successful candidates in each case will be required to undertake and supervise such work in connection with housing schemes as may be assigned to them throughout Northern Ireland.

Preference will be given to ex-Service candidates possessing the required qualifications provided the Trust is satisfied that such candidates can within a reasonable time fill the vacant posts efficiently.

The Northern Ireland Housing Trust was established by the Housing Act (Northern Ireland), 1945, to build and manage houses for workers. Applications should be made not later than 31st January 1949, on forms which may be obtained from General Manager, Northern Ireland Housing Trust, 5, Donegall Square South, Belfast. 1334

BOROUGH OF WREXHAM.

HOUSING ARCHITECT'S DEPARTMENT.

Applications are invited for the following temporary appointments in connection with the Council's Housing Programme. The work of the Department at present comprises the development of a large housing estate and the eventual erection of Shopping Centres, Community and other buildings. The appointments offer wide scope in the design, detailing and supervision of modern houses, multi-storey flats and ancillary buildings.

(1) ARCHITECTURAL ASSISTANT. £420 per annum.

(2) ARCHITECTURAL DRAUGHTSMAN. £350 per annum.

(3) ASSISTANT QUANTITY SURVEYOR. £420 per annum.

Applicants for (1) should have experience in the preparation of designs and drawings for modern housing estates and some experience of site supervision would be an advantage.

Applicants for (2) should be experienced in the preparation of detailed drawings and layouts.

Applicants for (3) should have practical experience in the preparation of Bills of Quantities for housing work and should be capable of site measurement, checking of accounts, etc.

Further particulars and conditions of appointment may be obtained from the undersigned, to whom applications are to be delivered by not later than first post on Tuesday, 25th January, 1949.

PHILIP J. WALTERS,
Town Clerk.

Guildhall, Wrexham.
4th January, 1949. 1333

BOROUGH OF SHREWSBURY. ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant, salary A.P.T., Grade IV. Applicants must be well experienced in the design and construction of dwelling houses and domestic buildings. The candidate appointed will be mainly engaged on housing work.

Preference will be given to candidates who have passed the Intermediate or Final examinations of the R.I.B.A. or the R.I.C.S. or who are preparing to sit for these examinations in the near future.

The Council will be prepared to assist the successful candidate in securing housing accommodation if this is required.

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

Applications must be on the forms to be obtained from the Borough Surveyor, Mr. F. R. Dinnis, A.M.I.C.E., Guildhall, Shrewsbury, and must be received by him, together with copies of three recent testimonials, not later than 21st of January, 1949.

S. R. H. LOXTON,
Town Clerk.

Guildhall, Shrewsbury.
31st December, 1948. 1331

QUANTITY SURVEYORS.

The Imperial War Graves Commission has vacancies for Quantity Surveyors in the French District, North-West European District (Belgium, Holland and Germany), and Southern European District (Italy and Sicily).

Candidates should be F.R.I.C.S. or A.R.I.C.S. (Quantities) or, in the case of those whose early experience has been with a Builder or Contractor (in addition to any whole time study in a recognized school), have passed a written examination in Quantity Surveying. All candidates should have professional experience on structures of important architectural value. A knowledge of the language of the country concerned desirable. Salary within scale £475 × £25-£750, entry at £475 at age 25 (less below that age) and up to £600 at age 30 or over.

In the French and the North-West European Districts there may be, in addition to salary, a variable allowance in local currency, and in the Southern European District there is a variable Foreign Service allowance.

Applications, stating preference, to be addressed to Appointments Office, Imperial War Graves Commission, Woolburn House, Woolburn Green, High Wycombe, Bucks. 1330

KENT COUNTY COUNCIL.

Applications are invited for four appointments of ASSISTANT ARCHITECTS, each at a salary in accordance with A.P.T. Division, Grade V(a) (£550-£610 a year).

The posts are superannuable, and successful candidates will be required to pass a medical examination.

Candidates must be Members of the Royal Institute of British Architects and have good general experience in modern building practice. Previous service with a Local Authority is not essential.

Forms of application may be obtained from the County Architect, Springfield, Maidstone, within 14 days of the date on which this advertisement appears.

W. L. PLATTS,
Clerk of the County Council.

County Hall, Maidstone.
21st December, 1948. 1249

METROPOLITAN BOROUGH OF PADDINGTON. HOUSING DEPARTMENT.

Appointment of:—

(a) ASSISTANT ARCHITECT.

(b) ARCHITECTURAL ASSISTANT.

(c) JUNIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the above-mentioned appointments on the permanent establishment of the Housing Department, Architectural Section (which also deals with all Council's building work).

(a) ASSISTANT ARCHITECT. This appointment will be on Grades VI-VII of the A.P.T. Division of the National Joint Council's Scheme of Conditions of Service, the salary commencing at £595 per annum and rising to a maximum of £710 per annum, plus London "weighting."

Applicants should be Associates of the R.I.B.A. and have had extensive experience in contemporary architectural design and construction of general Municipal buildings, including multi-storey flats of brick and framed construction, be progressive in outlook, and able to supervise works in course of erection.

(b) ARCHITECTURAL ASSISTANT. A.P.T., Grades III and IV, salary £450 to £525 per annum, plus London "weighting," commencing at a point within the grades commensurate with experience and qualifications.

Candidates must be suitably qualified and should have had experience of multi-storey blocks of flats. Preference will be given to Associates of the R.I.B.A. or those in an advanced stage of preparation for the Final examination of that Institute.

(c) JUNIOR ARCHITECTURAL ASSISTANT. A.P.T., Grade I, salary £350 to £435 per annum, plus London "weighting," commencing at a point commensurate with the successful candidate's qualifications and experience.

Applicants must have passed or be about to sit for the Intermediate examination of the Royal Institute of British Architects, be used to preparing working and detail drawings, and be good draughtsmen.

London "weighting" allowance, which is payable in all cases in addition to the basic salaries, will be at the following rates:—

- Age 16/20 years, inclusive, £10 per annum.
- Age 21/25 years, inclusive, £20 per annum.
- Age 26 years and over, £30 per annum.

These appointments will be subject to one month's notice on either side, to the provisions of the Council's Superannuation Acts and Standing Orders, and to the National Joint Council's Scheme of Conditions of Service.

Forms of applications are obtainable from the undersigned and applicants should state clearly which form is required.

Applications for all appointments, stating age, qualifications, present and previous appointments with salaries, and experience, together with the names of three authorities or persons from whom references can be obtained, should be delivered to the undersigned, in an envelope clearly indicating the appointment for which application is being made, not later than noon on Monday, 31st January, 1949.

Canvassing, directly or indirectly, will disqualify.

W. H. BENTLEY,
Town Clerk.

Town Hall, Paddington, London, W.2.
6th January, 1949. 1325

**PENBROKESHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following permanent appointments in the County Architect's Department:—

TWO ASSISTANT ARCHITECTS. Applicants should be members of the R.I.B.A. by examination and/or holding equivalent academic qualifications, with experience of contemporary architectural and/or structural design. Salary Scale Grade V, A.P. and T. Division, £520-£570 per annum, according to qualifications and experience.

ONE SENIOR QUANTITY SURVEYOR. Salary Grade VI, A.P. and T. Division, £595 p.a. to £650 p.a., consolidated. Applicants should be suitably qualified and experienced in all branches of the profession.

ONE ASSISTANT QUANTITY SURVEYOR. Salary Grade V, A.P. and T. Division, £520 p.a. to £570 p.a., consolidated. Applicants should be experienced in "working up" and settlement of accounts, and able to "take off" under supervision.

All the above appointments are superannuable and subject to a satisfactory medical examination. Canvassing will be a disqualification. Forms of application can be obtained from the undersigned, to whom they should be returned, duly completed, not later than 22nd January, 1949.

WALTER BARRETT, M.B.E., A.R.I.B.A.,
County Architect,
County Offices, Haverfordwest, Pems.
31st December, 1948. 1312

**COUNTY BOROUGH OF DERBY.
BOROUGH ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments on the permanent staff, in accordance with the National Scale of Salaries:—

TWO JUNIOR ARCHITECTS. Grade I. Salary £390-£435 per annum.

Applicants should have passed the Preliminary Examination of the R.I.B.A., and have had experience in general architectural work.

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

Forms of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Corporation Street, Derby, and should be returned when completed, together with copies of two recent testimonials, to arrive not later than Monday, 24th January, 1949.

Canvassing, directly or indirectly, will be a disqualification.

C. ASHTON,
Town Clerk,
The Council House, Derby. 1259

**BOROUGH OF WILLESDEN.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

The Council invite applications for the appointment of SECOND-CLASS ARCHITECTURAL ASSISTANT, on the Permanent Staff of the Borough Engineer and Surveyor's Department.

The salary attaching to the post will be Administrative, Professional and Technical, Grade V of the National Joint Council's Scale for the London area, namely £550 per annum, by two annual increments of £15 and one of £20 to £600 per annum.

Candidates must be Associates of the Royal Institute of British Architects or hold an equivalent qualification, and preferably have general knowledge and experience of architectural work in the service of a Local Authority.

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

Applications, giving age, experience, etc., accompanied by copies of not more than three testimonials, should be addressed to the undersigned, endorsed "Architectural Assistant," not later than 10 a.m. on Friday, 28th January, 1949.

It will be necessary for the successful candidate to provide his own housing accommodation as the Council is not in a position to assist.

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

(Sgd.) R. S. FORSTER,
Town Clerk,
Town Hall, Dyne Road, Kilburn, N.W.6.
26th November, 1948. 1221

MINISTRY OF WORKS.

Ministry of Works have a vacancy in London for a DEPUTY OFFICER in charge of Artists and Craftsmen engaged on the preservation work in connection with Historic Buildings and Ancient Monuments.

The salary range for the post is £625 to £750, and a suitable candidate may have an opportunity of promotion to a higher post at a later date.

The duties will include: Supervision of artists cleaning and restoring mural and other paintings; reporting on and supervision of the preservation of statues, decorations, enriched plasterwork, bronze, ironwork, etc. A knowledge of architecture, building techniques, chemistry of building materials and treatment of antiques is essential.

Applications, which should state age and nationality, should give full details of experience in this connection, and be addressed to Chief Architect, Reference W.G.10/P, Ministry of Works, Room 10, Abell House, John Islip Street, London, S.W.1. to reach this office not later than 14 days from the date of this advertisement. 1341

**TARVIN RURAL DISTRICT COUNCIL.
ARCHITECTURAL ASSISTANT.**

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

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

The salary will be in accordance with Grade II (Technical Division) of the National Joint Council Scheme, viz., £420×£15-£465.

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

Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should be addressed to Mr. Thomas Pritchard, M.I.Mun.E., and enclosed in an envelope endorsed "Architectural Assistant," and should reach this Office not later than Thursday, the 20th January, 1949.

(Sgd.) J. H. MOORE DUTTON,
Clerk to the Council,
Westminster Buildings, Newgate Street,
Chester. 1306

**LONDON COUNTY COUNCIL.
QUANTITY SURVEYORS.**

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

Duties will include:

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

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

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

Canvassing disqualifies. (2140) 752

**BOROUGH OF NELSON.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of JUNIOR ARCHITECTURAL ASSISTANT, in the Borough Surveyor's Department, at a salary in accordance with Grade III of the National Scales, £450-£15-£465 (consolidated).

Candidates should have experience in housing and general works, and preference will be given to applicants who have passed the Inter. R.I.B.A. examination. Applications, giving detailed particulars of experience and qualifications, endorsed "Architectural Assistant," with copies of three recent testimonials, to be delivered to the undersigned on or before Thursday, 20th January, 1949.

F. W. ROBERTS,
Town Clerk,
Town Hall, Nelson, Lancashire. 1268

**BOROUGH OF TIPTON.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the permanent appointment of ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade VI of the A.P.T. Division (£595, rising to £660). Applicants must be Registered Architects, with experience in housing.

The appointment will be subject to the Local Government Superannuation Act, 1937, and the National Scheme of Conditions of Service, and will be terminable by one month's notice on either side. The tenancy of a house will be offered if desired.

Applications (on forms obtainable from the undersigned) must be delivered to the undersigned not later than 31st January, 1949.

KENNETH W. MADIN,
Town Clerk,
Municipal Buildings, Tipton. 1344

**BOROUGH OF BARNES.
APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT (GRADE VI).**

Applications are invited for the above appointment in the Borough Engineer and Surveyor's Department, at a commencing salary of £595, rising by annual increments to a maximum of £660 per annum, plus London weighting.

Applicants must be Associates of the Royal Institute of British Architects, and have had a good training and experience in the design and construction of housing and other Municipal buildings. They should state whether housing accommodation would be required.

Applications, giving names of three persons to whom reference can be made, should reach the undersigned not later than Wednesday, 2nd February, 1949.

W. R. SHEPHERD, A.M.I.C.E.,
M.T.P.I.,
Borough Engineer and Surveyor,
Municipal Offices, Sheen Lane, S.W.14.
31st December, 1948. 1326

CITY OF NOTTINGHAM—CITY ENGINEER'S DEPARTMENT.

Applications are invited for:—
SENIOR TOWN PLANNING ASSISTANTS, at salaries in the scales A.P.T., VI (£595-£660), A.P.T., VII (£636-£710), and A.P.T., VIII (£668-£760), in accordance with the qualifications and experience of the candidate.

Preference will be given to Associate Members of the Town Planning Institute who possess in addition a recognized qualification in Engineering or Architecture, and who have had practical experience on Development Plan work in large urban areas.

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

Applications are to be made on forms to be obtained from R. M. Finch, Esq., O.B.E., M.I.C.E., M.T.P.I., to whom they should be returned, together with three copies of testimonials, not later than 26th January, 1949.

Applicants should state in writing for the form for which they intend to apply.

J. E. RICHARDS,
Town Clerk,
The Guildhall, Nottingham. 1262

**COUNTY OF GLOUCESTER.
APPOINTMENT OF BUILDING INSPECTORS.**

Applications are invited for the above-mentioned appointments in the County Architect's Department, at a salary of £420 p.a., rising to £465 p.a. (A.P. and T., Grade II, of the National Joint Council's Scheme of Conditions of Service).

Candidates must have had a sound experience of the building trade, be competent to carry out inspections of buildings, their furnishing and equipment, prepare Specifications and Estimates of costs of repairs required, set out works, supervise their execution, measure up on completion, and check accounts.

The appointments are terminable by one month's notice on either side, and are subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing satisfactorily of a medical examination.

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Shire Hall, Gloucester, not later than the 19th January, 1949.

GUY H. DAVIS,
Clerk of the County Council,
Shire Hall, Gloucester. 1240

**HAYDOCK URBAN DISTRICT COUNCIL.
ENGINEER AND SURVEYOR'S DEPARTMENT.**

TECHNICAL ASSISTANT.

The Council invite applications for the above appointment at a consolidated salary, in accordance with Grade III, A.P.T. Division of the National Scale (£450 per annum, rising by annual increments of £15 per annum, to a maximum of £495 per annum).

Applicants must have had experience in the carrying out of Surveys, the preparation of plans, specifications for architectural work usually undertaken by a Local Authority, and in particular Housing.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, the National Joint Council Scheme of Conditions of Service, and the person appointed will be required to pass a medical examination.

The Council will be prepared to allocate a Council house to the successful applicant, if desired.

Applications, endorsed "Technical Assistant," stating age, present and previous appointments and experience, together with names of two persons to whom reference may be made, should be received by the undersigned not later than the 22nd January, 1949.

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

C. LEDGER,
Clerk of the Council,
Council Offices, Church Road, Haydock.
30th December, 1948. 1290

**COUNTY BOROUGH OF DERBY.
BOROUGH ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointment on the permanent staff in accordance with the National Scale of Salaries:—

ONE SENIOR ASSISTANT ARCHITECT. Grade VII, A.P. and T. Division, salary £635-£716. Applicants should be Associate R.I.B.A., with a good knowledge of work undertaken by a Local Authority, preferably with experience in School work.

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

Form of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Corporation Street, Derby, and should be returned when completed, together with copies of three testimonials, to arrive not later than Monday, 31st January, 1949.

Canvassing, directly or indirectly, will be a disqualification.

C. ASHTON,
Town Clerk,
The Council House, Derby. 1336

**COUNTY BOROUGH OF OLDHAM.
APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of a Senior Architectural Assistant in my department. The salary will be at the rate of £520 to £570 per annum, being Grade V of the National Scale of Salaries.

Housing accommodation will be provided if necessary. Candidates should hold a recognized architectural qualification, and a Town Planning qualification would be an advantage. They should also have had comprehensive experience in design and construction.

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

Applications, stating age and previous appointments, in addition to qualifications and experience, and copies of three recent testimonials, must reach the undersigned not later than Friday, the 28th January, 1949, in envelopes endorsed "Senior Architectural Assistant."

A. L. HOBSON,

Borough Engineer and Surveyor.
Municipal Buildings, 75, Union Street,
Oldham.

5th January, 1949. 1346

**SPALDING RURAL DISTRICT COUNCIL.
ARCHITECT'S DEPARTMENT.**

Applications are invited for the following full-time appointments:-

(a) TECHNICAL ASSISTANT. A.P.T. Division, Grade III, of the National Scale (£450-£499 per annum). Applicants should have a sound and practical knowledge of architectural and quantity surveying work. The main duties will be to prepare Bills of Quantities, Estimates, Valuations and settlement of accounts in connection with the Council's Housing Schemes.

(b) CLERK OF WORKS. A.P.T. Division, Grade III, of the National Scale (£450-£495 per annum). The successful applicant will work under the direction of the Council's Architect and Building Surveyor, and his main duties will be to inspect housing and sewerage works in progress. He will be required to provide and maintain a car for which a travelling allowance will be paid. The appointments will be subject to the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications and experience and earliest date on which duties could be commenced if appointed, together with copies of two recent testimonials, must reach the undersigned not later than 25th January, 1949.

The Council are prepared to offer housing accommodation in the Rural District to the successful applicant.

L. FENNEL,

Clerk to the Council.
Council Offices, 10, The Crescent, Spalding.
6th January, 1949. 1328

**BOROUGH OF BOSTON.
BOROUGH SURVEYOR'S DEPARTMENT.**

Applications are invited for the appointment of a SENIOR ARCHITECTURAL ASSISTANT, in the Borough Surveyor's Department, at a salary in accordance with Grade V of the Administrative, Professional and Technical Division of the National Scales of Salaries (£520 to £570 per annum).

Preference will be given to those who have passed the Final or Intermediate examination of the Royal Institute of British Architects or have equal qualifications and who have had a good general experience in design and construction.

Applications, on forms to be obtained from Mr. D. G. Cockrill, Borough Engineer and Surveyor, Municipal Buildings, Boston, Lincs., must be received by the undersigned in envelopes endorsed "Senior Architectural Assistant," not later than the 26th January, 1949.

Canvassing, directly or indirectly, or failure to disclose relationship to any member of, or the holder of any senior office under the Council, will disqualify.

C. L. HOFFROCK GRIFFITHS,

Town Clerk.
Municipal Buildings, Boston, Lincs. 1314

**CITY OF WAKEFIELD.
CITY ENGINEER'S DEPARTMENT.
CHIEF TOWN PLANNING ASSISTANT
(GRADE VII).**

Applications are invited for the appointment of Chief Town Planning Assistant, Grade A.P.T., VII (£635-£710).

The successful applicant will be required to take charge of the Town Planning Section of the City Engineer's Department, under the direction of the City Engineer, and applicants should hold a Town Planning qualification.

The appointment will be subject to the Local Government Superannuation Act, 1937, and to the passing of a medical examination.

Candidates should state in writing whether to their knowledge they are related to any member or senior official of the Corporation. Canvassing will be a disqualification.

Applications, endorsed "Chief Town Planning Assistant," stating age, qualifications, present and previous appointments and experience, should be accompanied by copies of two testimonials and sent to me not later than Saturday, the 29th January, 1949.

The Council will give favourable consideration to the provision of housing accommodation.

W. S. DES FORGES,

Town Clerk.
Town Hall, Wakefield.
29th December, 1948. 1307

**ESSEX COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.**

The Essex County Council invite applications for the following appointments on the established staff of the County Planning Department:-

(a) PLANNING ASSISTANT, at a salary not exceeding the maximum for Grade V, A.P.T.D. (£570 per annum).

(b) THREE PLANNING ASSISTANTS, at salaries not exceeding the maximum for Grade II, A.P.T.D. (£465 per annum).

(c) PLANNING ASSISTANT, at a salary not exceeding the maximum for Grade I, A.P.T.D. (£435 per annum).

(d) SENIOR DRAUGHTSMAN, at a salary not exceeding the maximum for Grade I, A.P.T.D. (£435 per annum).

The salary in each case will be fixed in accordance with the qualifications and experience of the applicant appointed, but will not exceed the maximum salary for the post concerned as stated above.

Candidates for post (a) must have passed the Intermediate examination of the Town Planning Institute. Preference will be given to candidates who are also Corporate Members of the Town Planning Institute or who possess an additional professional qualification to that stipulated. Experience in a county planning department will be an advantage.

Candidates for posts (b) and (c) should have had good general experience in a planning office with regard to development control and basic survey. Preference will be given to candidates who have passed the Intermediate examination of the Town Planning Institute or other recognized professional institution.

Candidates for post (d) must be capable of taking charge of the Drawing Office and be able to produce all types of Planning maps and diagrams without supervision. They should have had experience in ordering all Drawing Office materials and supplies, and preference will be given to candidates with previous local government experience. They should also be neat and expeditious draughtsmen and expert colourists with both inks and water colours.

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

The Scheme of conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, as from time to time amended and as adopted by the County Council, is at present applicable to persons appointed on the established staff.

Canvassing, directly or indirectly, will disqualify.

Applications must be made on a form to be obtained from the County Planning Adviser, Broomfield Place, Broomfield, Chelmsford, to whom they should be returned as soon as possible.

JOHN E. LIGHTBURN,

Clerk of the County Council.
1352

**CANNOCK RURAL DISTRICT COUNCIL.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the above appointment, at a salary in accordance with A.P.T., Grade III, of the National Scale of Salaries (£450-£495).

Candidates must be experienced in preparing Plans and Specifications for Architectural work usually undertaken by a Local Authority. The appointment will be determinable by one month's notice on either side.

Housing accommodation will be provided if required.

Applications, stating age, qualifications, experience, etc., endorsed "Architectural Assistant," and accompanied by copies of two recent testimonials, must reach the undersigned not later than Saturday, the 29th January, 1949.

JOHN P. ROBERTS,

Clerk to the Council.
Council Offices, Penkridge, Stafford. 1357

PONTYPRIDD URBAN DISTRICT COUNCIL.

Applications are invited for the following permanent appointment, which is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

ARCHITECTURAL ASSISTANT. Salary £495 per annum—the maximum of A.P.T., Grade III, of the National Scales of Salaries.

The minimum qualification required for this appointment is the Intermediate examination of the Royal Institute of British Architects.

The person appointed will be required to devote the whole of his time to the service of the Council, and the appointment will be subject to one month's notice on either side.

Forms of application are obtainable from the Council's Architect, Mr. W. Cecil Evans, Municipal Buildings, Pontypridd, Glam., and should be obtained by intending candidates.

Applications in form required, together with the names and addresses of three persons to whom reference may be made, must be received by the undersigned not later than Monday, 31st day of January, 1949.

Canvassing will be a disqualification, and candidates must disclose any relationship to Members or Senior Officers of the Council.

H. LEONARD FORCHER,

Clerk of the Council.
Municipal Buildings, Pontypridd, Glam. 1359
January, 1949.

**BOROUGH OF WORTHING.
APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of a Senior Architectural Assistant, on the permanent establishment of the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade A.P.T. IV, commencing salary £480, rising by three annual increments of £15 to £525 per annum.

Candidates should preferably be Associates of the Royal Institute of British Architects, and should have a sound experience in the preparation of drawings and specifications for all types of building work carried out by a Local Authority.

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

The Council will assist the successful applicant to obtain housing accommodation, if necessary.

Applications, endorsed "Senior Architectural Assistant," stating age, qualifications, present and previous appointments and experience with dates, and accompanied by copies of three recent testimonials, should be forwarded to the Borough Engineer and Surveyor, Town Hall, Worthing, not later than 12 noon on Monday, 31st January, 1949.

ERNEST G. TOWNSEND,

Town Clerk.
Town Hall, Worthing.
5th January, 1949. 1362

**Amended Advertisement
BANBURY AND DISTRICT HOSPITALS'
MANAGEMENT COMMITTEE.**

APPOINTMENT OF ARCHITECT.

Applications are invited from Fellows or Associates of the Royal Institute of British Architects for the above appointment. The gentleman appointed will be required to prepare a block plan for a new 500 bed hospital and also to advise on architectural matters relating to the hospitals and other premises under the control of the Management Committee. Applicants should be experienced in architectural practice, with special reference to hospital work. Remuneration will be according to the R.I.B.A. scale. Applications, giving particulars of qualifications and experience, together with the names and addresses of two referees, should be sent to the undersigned not later than 5th February, 1949.

C. G. TOMLINSON,

Secretary.
51, Oxford Road, Banbury, Oxon. 1351
4th January, 1949.

**STAFFORDSHIRE COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.**

APPOINTMENT OF JUNIOR PLANNING ASSISTANT (GRADES A.P.T. I AND II).

Applications are invited for the appointment of Junior Planning Assistant, in the Northern Area Planning Office of the County Planning Department, situated at St. George's Chambers, Merrial Street, Newcastle-under-Lyne, Staffs. Applicants should have had training in an Architect's Engineer's, Surveyor's or Planning Office, and should preferably have passed the Intermediate examination of the Town Planning Institute or its equivalent.

Salary will be in accordance with A.P.T., Grade I, £390-£435, or Grade II, £420-£465, of the National Scales, according to qualifications and experience.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, the National Joint Council's Scheme of Conditions of Service as adopted by the County Council; the passing of a medical examination; and to one month's notice on either side.

Canvassing, directly or indirectly, will be deemed a disqualification, and relationship to any Member or Senior Officer of the County Council must be disclosed.

Applications should give details of age, education, technical training, qualifications, present and previous appointments and experience, and should include copies of two recent testimonials and the names of two other persons to whom reference can be made. They should be addressed to the County Planning Officer, County Buildings, Stafford, to be received not later than Saturday, the 29th January, 1949.

T. H. EVANS,

Clerk of the County Council.
County Buildings, Stafford. 1353
6th January, 1949.

**MINISTRY OF EDUCATION.
PRINCIPAL ARCHITECT (Temporary)**

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

Salary scale—£1,320×£50—£1,520 (men), and £1,150×£50—£1,350 (women).

Applications, giving relevant details and the names of two referees, should be addressed to the Technical and Scientific Register (J.1/49), York House, Kingsway, W.C.2, not later than the 26th January, 1949.

3.1.A.39(20) 1354

CAMBORNE-REDRUTH URBAN DISTRICT COUNCIL.
APPOINTMENT OF TEMPORARY ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of a Temporary Architectural Assistant, in the Department of the Engineer and Surveyor, at a salary in accordance with Grade III, A.P.T. Division, of the National Scheme of Conditions of Service (£450-£495).

Candidates must hold at least the Intermediate certificate of the R.I.B.A., or equivalent, and must have had good training and experience in preparation and execution of Local Authority Housing Schemes, preferably obtained in a Local Government Office.

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

Applications, stating age, present and previous appointments, technical qualifications, and experience, together with copies of three recent testimonials, and endorsed "Temporary Architectural Assistant," should reach the Engineer and Surveyor, Council Offices, Camborne, not later than 10 a.m. on Thursday, the 20th January, 1949.

Each candidate must disclose in writing whether to his knowledge he is related to any Member or Senior Officer of the Council.

Canvassing, either directly or indirectly, will disqualify.

S. C. WILSON,
Clerk to the Council.

Council Offices, Camborne. 1350
5th January, 1949.

LANCASHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff:—

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

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

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

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

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

(f) SENIOR ASSISTANT ARCHITECTS, Grade VII. Salary £635-£710.

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

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

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

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

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

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

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

R. H. ADCOCK,
Clerk of the County Council.

County Offices, Preston. 1361
5th January, 1949.

BOROUGH OF DAGENHAM.
CHIEF ARCHITECTURAL ASSISTANT.

The Council invite applications for this permanent appointment, Grade VI, salary £595-£660 p.a., plus London weighting. Applicants must be Registered Architects and preference will be given to those holding the A.R.I.B.A. or similar qualifications.

Forms of application from the Borough Engineer and Surveyor.

Closing date, 26th January, 1949. Canvassing disqualifies.

Housing accommodation may be made available.

KEITH LAUDER,
Town Clerk.

Civic Centre, Dagenham. 1355

COUNTY COUNCIL OF INVERNESS.
COUNTY ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.
ASSISTANT PLANNING OFFICER.

Applications are invited for the appointment of Assistant Planning Officer in the County Architect and Planning Officer's Department, Consolidated salary, scale A.P.T. V, £520 by £15 to £570 per annum. The appointment will be subject to the provisions of the Local Government Superannuation (Scotland) Act, 1937.

Candidates should possess a recognized architectural or engineering qualification, and preference will be given to those who have qualified for Associate Membership of the Town Planning Institute.

Applications and copies of three recent testimonials should be lodged with the undersigned within 14 days of the publication of this advertisement.

R. WALLACE,
County Clerk.

County Buildings, Ardrross Street, Inverness. 1379

COUNTY BOROUGH OF HALIFAX.
APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments in the Borough Engineer's department:—

SENIOR ARCHITECTURAL ASSISTANT (Grade VI, A.P.T., £595-£660 per annum), to be engaged on General Architectural work.

SENIOR ARCHITECTURAL ASSISTANT—EDUCATION (Grade V, A.P.T., £520-£570 per annum), to be engaged on design and construction of new Primary, Secondary and Technical Schools.

JUNIOR ARCHITECTURAL ASSISTANT (Grade Misc. II, £375-£420 per annum).

Previous experience in Local Government is not essential, but preference will be given to those with appropriate qualifications.

Applications, stating age, qualifications, present position, salary and experience, accompanied by copies of recent testimonials and appropriately endorsed, should be delivered to the undersigned not later than Wednesday, 2nd February, 1949.

RICHARD de Z. HALL,
Town Clerk.

Town Hall, Halifax. 1383
8th January, 1949.

COUNTY BOROUGH OF ROTHERHAM.
ASSISTANT ARCHITECT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, in the office of the Borough Engineer, at a commencing salary of £635, rising by annual increments to a maximum of £710 per annum.

Applicants must be Associate Members of the Royal Institute of British Architects, and preferably with experience in the service of a Local Authority.

The post is superannuable, and the candidate selected for appointment will be required to pass a medical examination.

The appointment will be subject to the conditions of service adopted by the Council and based on the National Scheme of Conditions of Service. It will be terminable by one month's notice on either side.

Housing accommodation will be available for the successful applicant if required.

Applicants must state whether they are related to any member or officer of the Rotherham County Borough Council. Deliberate omission to disclose any such relationship will disqualify any candidate.

Canvassing of members of the Council, whether direct or indirect, will disqualify.

Applications, endorsed "Architectural Assistant," stating age, qualifications and experience, accompanied by copies of three recent testimonials, should be delivered to the undersigned not later than the 31st January, 1949.

JOHN S. WALL,
Town Clerk.

Municipal Offices, Rotherham, Yorks. 1382

MOUNTAIN ASH URBAN DISTRICT COUNCIL.
ASSISTANT ARCHITECT.

The above Council invite applications for the permanent appointment of Assistant Architect.

The conditions of employment are in accordance with the National Scheme of Conditions of Service for Local Authorities Services, and the appointment is remunerated in accordance with Grade III of the Administrative, Professional and Technical Division of the Scheme (i.e., £450 × £15 to £495 per annum).

Applicants must have had good housing and general architectural experience, and must have passed the Intermediate examination of the Royal Institute of British Architects or hold equivalent qualifications.

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

Applications, stating age, qualifications and experience, and the names of two persons to whom reference may be made as to the applicant's suitability for the appointment, must reach the undersigned not later than Monday, 31st January, 1949.

Housing accommodation will be provided if required.

BERNARD M. MURPHY,
Clerk of the Council.

Town Hall, Mountain Ash. 1381
6th January, 1949.

MIDDLESBROUGH EDUCATION COMMITTEE.

Applications are invited for the following permanent appointments:—

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

(b) THREE ASSISTANT ARCHITECTS, Grade V, £520-£570.

(c) ONE ARCHITECTURAL ASSISTANT, Misc., Grade I, £315-£360.

(d) ONE ARCHITECTURAL PUPIL, Gen. Div., £135-£385.

Applicants for appointments (a) and (b) must have had experience in the design and construction of modern buildings, including schools, and should be fully qualified architects.

Applicants for appointment (c) must be good draughtsmen with a general experience, and for (d) must have obtained the School Certificate.

Forms of application and general conditions of service may be obtained from the Director of Education, Education Offices, Woodlands Road, Middlesbrough.

E. C. PARR,
Town Clerk.

COUNTY COUNCIL OF INVERNESS.
COUNTY ARCHITECT'S DEPARTMENT.
ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant in the County Architect's Department. Salary consolidated, scale A.P.T., IV, £480-£525, with placing according to qualifications and experience. Candidates should possess a recognized Architectural qualification, and have had a good general architectural experience, more especially in the preparation of sketch plans and working drawings for housing work.

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

Applications, stating age, qualifications and present appointment, accompanied by copies of not more than three recent testimonials, should be submitted to the undersigned within ten days of publication of this advertisement.

R. WALLACE,
County Clerk.

County Buildings, Ardrross Street, Inverness. 1380

BOROUGH OF TORQUAY.

Applications are invited for the post of ARCHITECTURAL ASSISTANT, in the Borough Surveyor's Department, at a salary of £420 × £15-£465 per annum.

Preference will be given to candidate possessing at least the R.I.B.A. Inter. examination. The appointment, terminable by one month's notice on either side, is subject to the National Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937.

The Council will endeavour to find living accommodation, if required, for the person appointed.

Applications, giving details of education, experience, age, etc., together with copies of two recent testimonials, should be sent to the Borough Surveyor, Town Hall, Torquay, not later than Saturday, 29th January, 1949.

1384

THE UNIVERSITY OF MANCHESTER.

Applications are invited for the post of ASSISTANT BUILDINGS OFFICER. Technical qualifications, such as Architect or Surveyor, essential. Commencing salary £500-£600 per annum, according to qualifications; children's allowances (£50 per child per annum) are payable in addition. The post carries membership of the Federated Superannuation System for Universities. Further information can be obtained from the Bursar of the University.

1377

COUNTY BOROUGH OF SOUTHPORT.
BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff of the Borough Engineer's Department, at salaries in accordance with the National Joint Scale of Salaries:—

(a) ARCHITECTURAL ASSISTANT, A.P.T., Grade III (£450-£495 per annum).

(b) SIGNS INSPECTOR, Misc. Division, Grade I (£315-£360 per annum).

The commencing salary within the grade in each case will be dependent upon qualifications and experience.

Appointments (a). Candidates should be Registered Architects and Corporate Members of the R.I.B.A., and must have had considerable experience in architectural work generally, including Municipal buildings, housing schemes, etc., and in the preparation of plans, estimates, specifications and builders' quantities.

Appointments (b). Applicants should be capable of taking measurements, preparing sketch plans, writing concise and comprehensive reports, and keeping the necessary registers.

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

Applications, stating the appointment applied for, giving particulars of age, qualifications, and full details of experience, along with particulars of present and previous appointments, and accompanied by copies of three recent testimonials, should be forwarded to the Borough Engineer, Town Hall, Southport, not later than Tuesday, 1st February, 1949.

R. EDGAR PERRINS,
Town Clerk.

Town Hall, Southport. 1376
6th January, 1949.

The CRAWLEY DEVELOPMENT CORPORATION require a ASSISTANT ARCHITECT, on the salary scale £550-£730-£750. The commencing salary within the range and scale will be determined by the qualification, age, and experience of the applicant. The appointment will be to serve the Corporation at Crawley. Applicants should have first-class general experience in design and construction, particularly of housing and house design, and must be fully qualified. Contributory superannuation (with the choice of entering a fund under the Local Government Superannuation Act, 1937) will be provided. Apply by letter only, stating (a) name and address, (b) age, (c) married or single, (d) present post and salary, (e) post now applied for and salary required, (f) notice required to terminate present appointment, (g) education, (h) qualifications, (i) particulars of experience, (j) names and addresses of three persons to whom reference may be made concerning the applicant's professional ability, to the Chief Architect, Mr. A. G. Sheppard Fidler, M.A., B.Arch., A.R.I.B.A., A.M.T.P.I., Broadfield, Crawley, Sussex, by 4th February, 1949.

C. A. C. TURNER.
Chief Executive.
1375

NORTH WEST METROPOLITAN REGIONAL HOSPITAL BOARD ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the Architect's Department.

(1) 8 ASSISTANT ARCHITECTS, Grade A.P.T., II-V (£420-£570 per annum) plus London Weighting.

(2) 2 JUNIOR ASSISTANTS, Grade General Division. Salary according to age.

Applicants for (1) must have good general experience of design and construction and will be placed on the grade appropriate to their experience and qualifications.

Applicants for (2) should have not less than 3 years' experience.

Appointments will be subject to the National Health Service (Superannuation) Regulations, 1947, and will be terminable by one month's notice.

Applications, giving details of experience, together with names of two referees, should be addressed to the Secretary, North West Metropolitan Regional Hospital Board, 11a, Portland Place, W.1, not later than January 29, 1949.

1374

SURREY COUNTY COUNCIL APPOINTMENT OF DEPUTY COUNTY ARCHITECT.

Applications are invited for the appointment of Deputy County Architect. The salary attaching to the post will be £1,250 per annum, rising by annual increments of £50 to a maximum of £1,400 per annum. Travelling and subsistence allowances will be paid according to the Council's scale. The appointment will be terminable by three months' notice on either side, and will be subject to the provisions of the Local Government Superannuation Act, 1937, and to a medical examination.

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

Canvassing, directly or indirectly, will disqualify.

DUDLEY AUKLAND.
Clerk of the Council.

County Hall, Kingston-on-Thames. 1373

CITY OF SALFORD.

APPLICATIONS ARE INVITED for the appointment of ARCHITECTURAL ASSISTANT in the City Engineer's Department; salary Grade VI, £595 to £660.

Candidates must be Associates of the Royal Institute of British Architects or hold an equivalent qualification, and should possess a sound experience in design and construction and also be experienced in the management of building contracts.

The appointment will be subject to:—
(a) The Conditions of Service of the National Joint Council as adopted by the City Council.
(b) The Provisions of the Local Government Superannuation Act, 1937.

(c) The passing successfully of a medical examination.

Applications, stating age, qualifications and experience, together with particulars of past and present employment—accompanied by copies of two recent testimonials—should be forwarded in envelopes endorsed "Architectural Assistant," addressed to the City Engineer, Town Hall, Salford, 3, and be delivered not later than Friday, January 28, 1949.

Applicants must disclose, in writing, whether or not they are related to any member of the Council or an officer of the Authority.

H. H. TOMSON, Town Clerk.
1371

CORPORATION OF GREENOCK.

MASTER OF WORKS DEPARTMENT.

Applications are invited for the following appointments on the staff of the Burgh Surveyor and Master of Works.

These appointments are upon the permanent staff of the Corporation and are subject to one month's notice on either side. Successful applicants will be required to contribute to the Superannuation Fund under the Provision of the Local

Government Superannuation (Scotland) Act, 1937.

(1) ONE SENIOR ARCHITECTURAL ASSISTANT. On the salary scale A.P.T., V, £520, rising to £570 per annum, consolidated. Candidates must be Associates of the Royal Institute of British Architects or hold equivalent qualifications, and should have good professional training and experience in Housing Design and General Architectural work.

(2) TWO JUNIOR ARCHITECTURAL ASSISTANTS.

(a) A General Assistant, on salary scale A.P.T., III, £450, rising to £490 per annum, consolidated.

(b) A Dean of Guild Court Assistant, on salary scale A.P.T., I/111, according to qualifications and experience.

Candidates should be Registered Architects, and should have previous experience. Preference will be given to Architects who have passed a substantial portion of the examination of the Royal Institute of British Architects, and applicants should give details of the Design of Houses, Municipal Buildings, etc.

Applicants for appointments should state age, marital state, qualifications and technical training, present and previous appointments.

Canvassing, directly or indirectly, will disqualify.

Applications in sealed envelopes, endorsed according to appointment, should be sent not later than 15th February, 1949, addressed to the Town Clerk, Municipal Buildings, Greenock.

A. H. GRAY,
Town Clerk.

Municipal Buildings, 6th January, 1949. 1369

HUNTS COUNTY COUNCIL COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the County Architect's Department:—

(a) A SENIOR ARCHITECTURAL ASSISTANT, Grade V, salary £520-£570 per annum.

(b) ARCHITECTURAL ASSISTANT, Grade III, salary £450-£495 per annum.

(c) ARCHITECTURAL ASSISTANT, Grade II, salary £420-£465 per annum.

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

Applications, stating age, qualifications, and experience, and date on which duties could be commenced if appointed, together with copies of two testimonials, should be sent to Mr. T. H. Longstaff, M.Inst.C.E., F.R.I.B.A., M.T.P.I., by not later than Monday, 24th January, 1949.

JOHN KELLY,
Clerk of the County Council.

County Buildings, Huntingdon. 1368

Partnerships and Financial

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

CHARTERED ARCHITECT (Dip.Arch.), young, energetic and capable, seeks responsible appointment, with prospect of early partnership; full details on application. Box 1239.

Architectural Appointments Vacant

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

PROGRESSIVE appointment, with prospect of early Partnership, offered to capable and energetic qualified ARCHITECTURAL ASSISTANT (30/40) in private general practice near London (E.), with country connections; design, surveying and levelling, and some knowledge of quantities; minimum salary £500. Box 946.

ARCHITECTURAL SHOPFITTING ASSISTANTS required for multiple shop company, Central London area; applicants must be competent draughtsmen, able to prepare working and detail drawings from sketches, have ability to design in modern materials, and carry out surveys of existing shop premises for alterations and refitting; permanent positions, subject to satisfactory service; five-day week, and superannuation scheme; salary according to experience, £500 to £650; write Personnel Manager. Box 1198.

TWO ARCHITECTS ASSISTANTS required immediately for City office, to work on subsidised flat schemes in London; 6-day week, and profit sharing bonus in addition to salary. Apply by letter for interview, giving brief particulars of qualifications and experience: (a) To be A.R.I.B.A., with good pre-war office experience, preferably in London; salary up to £780 per annum, according to qualifications and experience. (b) To be Intermediate R.I.B.A., with some pre-war office experience; salary up to £468 per annum, according to qualifications and experience. Stewart & Hendry, F.A.A.R.I.B.A., A.M.T.P.I., 90, Fenchurch Street, E.C.3. 1208

KEN JUNIOR ASSISTANT required for Architect's country practice in Oxfordshire; must be capable of doing working drawings from Architect's rough sketches, surveying and levelling; must be neat and accurate; state age, experience, and salary required. Box 1209.

REQUIRED DRAUGHTSMEN, with ground work in Building Construction and Building Science; preference given to men who have been previously employed by firms connected with the Building Industry. Write, giving full details, to Box A.J.112, at 191, Gresham House, E.C.2. 1220

THE CO-OPERATIVE WHOLESALE SOCIETY, LTD.,

have vacancies in their Manchester Architect's Department for ASSISTANT QUANTITY SURVEYORS; should be experienced in preparing Bills of Materials, measuring work, and adjusting variations on Contracts; the appointments are permanent and offer 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 age, qualifications, experience, and salary required, with copies only of testimonials, to C.W.S., Ltd., Architect's Department, 1, Balloon Street, Manchester, 4. 1224

APPLICATIONS are invited by Co-operative Wholesale Society, Ltd., for appointments as ASSISTANT ARCHITECTS; applicants should be good draughtsmen, with a sound knowledge of general construction, and experience in commercial and industrial work will be an advantage; salary in accordance with experience and qualifications; the appointments are permanent and offer 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 age, educational qualifications and experience, to be addressed to the C.W.S., Ltd., Architect's Department, 1, Balloon Street, Manchester, 4. 1225

SOUTHAMPTON Architects have the following vacancies: (a) Medium Grade ARCHITECTURAL ASSISTANT; (b) ARCHITECTURAL AND SURVEYING ASSISTANT; experienced in site surveying and levelling; permanent progressive posts; interesting and varied work. Full particulars and salary required to Box 1231.

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

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

COMPETENT ASSISTANT required in Architects' office in South Kensington; salary £550 to £650, according to experience. Apply Box 1240.

QUANTITY SURVEYING ASSISTANT required for the Croydon branch of a West End Architects' office in connection with work for a large direct labour contract; salary by arrangement. Box 1251.

ASSISTANT required in small but busy practice in Nottingham, with possibility of future partnership; good office experience and first-class draughtsmanship essential, preferably including modern flats, housing, industrial and community buildings; car owner useful; 5-day week; salary according to qualifications; married accommodation difficult. Box 1270.

ARCHITECTURAL SENIOR ASSISTANT required for Dublin office, preferably one with Hospital experience; reply giving full particulars of experience; good salary for competent man. Box 1254.

ASSISTANT ARCHITECT required in busy general practice. Reply, stating age, qualifications, experience, and salary required, Johnson & Crabtree, F.A.A.R.I.B.A., 20, Priory Place, Doncaster, Tel. 3445. 1253

ARCHITECTURAL ASSISTANT required; state salary required and experience. J. C. Prestwich & Sons, Bradshawgate Chambers, Leigh, Lancs. 1273

ST. ALBANS.—Competent ARCHITECTURAL ASSISTANT required for housing work. Reply, giving full particulars of experience and salary required, to Box 1286.

JUNIOR ARCHITECTURAL ASSISTANTS required immediately for Birmingham office; R.I.B.A. Intermediate standard; salary according to experience. Hing & Jones, 121, Colmore Row, Birmingham. 3. Phone: Central 2541. 1301

ASSISTANT required in a Bank's Architect's office in London; age about 40; preferably a member of R.I.B.A.; must be thoroughly experienced in the design and construction of office buildings; permanent post, with pension, for suitable applicant. Box 1285.

ARCHITECTURAL ASSISTANT required in West Country office; Intermediate standard; general practice, including farms, factories, domestic work, etc.; ability to drive car an advantage; interesting work and progressive appointment. Full particulars of experience, training, salary, etc., to Box 1318.

TWO ARCHITECTURAL ASSISTANTS required by firm of Architects with offices in West End of London; applicants should be up to R.I.B.A. Intermediate standard at least. Please apply by letter stating age, experience, and salary required. This position would possibly suit two friends desiring employment together. Box 1326.

FIRST-CLASS experienced ARCHITECTURAL ASSISTANT required for large Bristol office; excellent opportunity and prospects for suitable applicant; permanency. Apply in first instance, stating age and experience, to W. H. Watkins, Gray, F.F.R.I.B.A., and Partners, 19, Grosvenor Place, S.W.1. 1322

SENIOR ASSISTANTS required in busy London office; experienced in either Housing or School work. Full particulars of experience and salary required to Box 1304.

ARCHITECTURAL ASSISTANT (single) required in Northamptonshire Architect's office; Inter. R.I.B.A. qualification, plus good general experience; salary up to £450, according to experience; good prospects, with varied and interesting work. Box 1320.

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

PROGRESSIVE Manufacturing Company in the West End of London have a vacancy for an ARCHITECTURAL ASSISTANT, experienced in the preparation of surveys and working drawings, in connection with alterations and additions to industrial buildings and their maintenance. Apply in writing, stating age, full particulars of experience and salary required, to Box 86881, A.K. Advg., 212a, Shaftesbury Avenue, W.C.2. 1323

ARCHITECTURAL ASSISTANT required for Worcester office; experienced in working drawings, specifications and outside supervision; car owner preferred; salary £400 per annum, or according to qualifications. Box 1329.

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

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

ARCHITECTURAL ASSISTANT wanted for busy country office; progressive post available for a man of Intermediate standard, with an interest in farm buildings and small domestic work. Smith-Woolley & Co., Collingham, Newark, Notts. 1345

JUNIOR ARCHITECTURAL ASSISTANTS (Intermediate standard) are required by a large Birmingham brewery for work on new and reconstruction schemes for Brewery and Licensed properties; previous knowledge of this type of work is not necessarily insisted upon; applicants are offered excellent prospects in a small but expanding department; a generous staff superannuation scheme is in force, and canteen facilities are available. State age and details of experience to Box 1340.

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

PROGRESSIVE appointment offered to capable and qualified ARCHITECTURAL ASSISTANT; also required JUNIOR ARCHITECTURAL ASSISTANT; office in Hertfordshire. Box 1336.

WANTED—ARCHITECTURAL ASSISTANT, Halifax, Yorks; particulars of experience and salary required. Box 1368.

EXPERIENCED ASSISTANT required in London Architect's office for Housing and General Practice. Reply stating age, full particulars of experience, qualifications, and salary required, Box 1370.

Architectural Appointments Wanted

APPLICANT, with good experience and references, seeks employment as **CLEEK OF WORKS** or supervising officer, with a progressive firm of Building Contractors or Interior Decorators. Box 201.

ARCHITECT AND SURVEYOR (under 40, 21 years' varied experience, including property maintenance, disengaged, married with two children, seeks post; would accept £600 p.a. with free accommodation, or £700-£800 without. Brown, 16, Highbury Place, N.5 (CAN. 2145). 214

QUALIFIED ASSISTANT (23), school trained, desires appointment in London area; 24 years' general experience in London Architect's office. J. G. Ardley, 14, Crosby Road, Westcliff-on-Sea. Tel.: Southend 2987. 223

DIPL. ARCHITECT, with 17 years' professional practice, several years in Iran, South America and West Africa, wide experience in design and complete supervision of various important buildings, seeks a position in U.K. or overseas. Box 225.

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

Other Appointments Vacant

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JUNIOR DRAUGHTSMAN required for Structural Engineer's office; used to measuring up, detailing, etc.; only those with previous experience need apply. Write only in first instance, stating age, experience, and salary required, to Sharman, The Parade, Sunbury-on-Thames. 1372

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SECRETARY/SHORTHAND TYPIST (Female), 22, Matric., 24 years' architectural student, 24 years' War Office, desires progressive post with Architect; Sloane Square area or West End. Write Box 1360.

BUILDING SURVEYOR (27), keen and energetic, with 10 years' continuous and comprehensive London and provincial, technical and practical experience, seeks position in professional office, preferably as contract supervisor, from tender to final accounts; excellent architectural and surveying experience in all other branches of profession, but not desired; salary £624. Box 1366.

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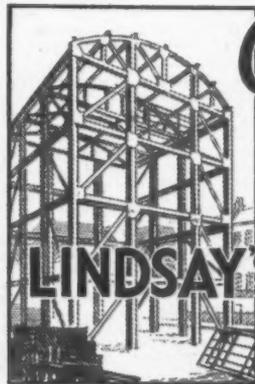
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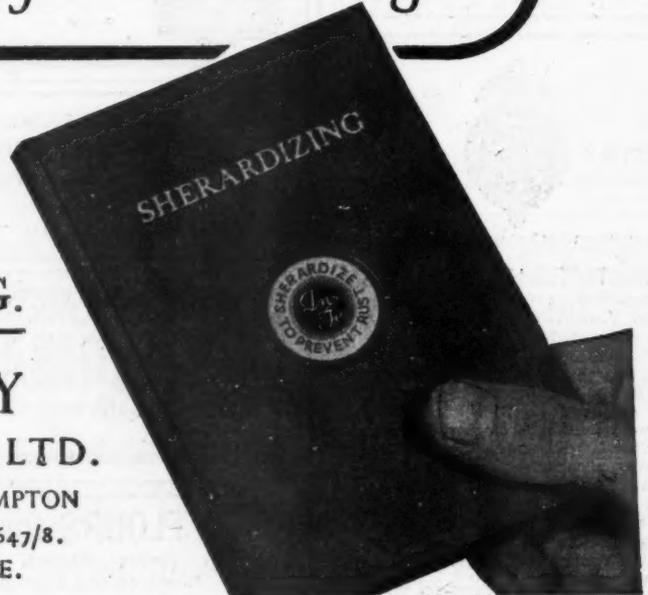
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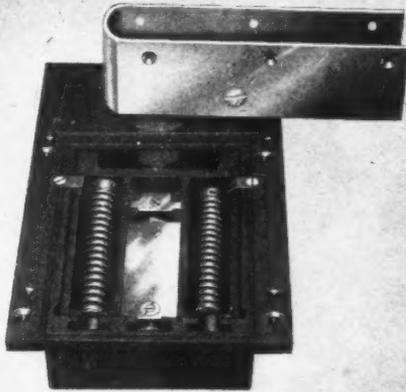
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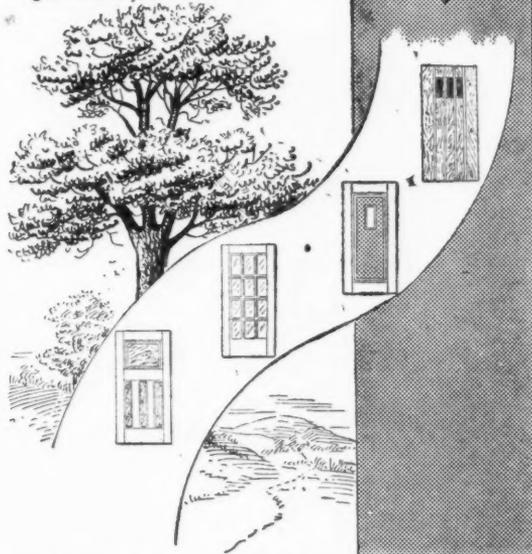
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NGTH	No. OFF
3'-0"	120
4'-0"	180
5'-0"	236
6'-0"	292
7'-0"	348
8'-0"	404
9'-0"	460
10'-0"	516
11'-0"	572
12'-0"	628
13'-0"	684
14'-0"	740
15'-0"	796
16'-0"	852
17'-0"	908
18'-0"	964
19'-0"	1020
20'-0"	1076
21'-0"	1132
22'-0"	1188
23'-0"	1244
24'-0"	1300
25'-0"	1356
26'-0"	1412
27'-0"	1468
28'-0"	1524
29'-0"	1580
30'-0"	1636
31'-0"	1692
32'-0"	1748
33'-0"	1804
34'-0"	1860
35'-0"	1916
36'-0"	1972
37'-0"	2028
38'-0"	2084
39'-0"	2140
40'-0"	2196
41'-0"	2252
42'-0"	2308
43'-0"	2364
44'-0"	2420
45'-0"	2476
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97'-0"	5388
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100'-0"	5556
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106'-0"	5892
107'-0"	5948
108'-0"	6004
109'-0"	6060
110'-0"	6116
111'-0"	6172
112'-0"	6228
113'-0"	6284
114'-0"	6340
115'-0"	6396
116'-0"	6452
117'-0"	6508
118'-0"	6564
119'-0"	6620
120'-0"	6676

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 25 2580
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