

THE ARCHITECTS' JOURNAL



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 H one week, I to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1	Sloane 3158
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577
IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers. 1, Grosvenor Place, S.W.1.	Sloane 8606
IHVE	Institution of Heating and Ventilating Engineers. 72/74, Victoria Street, S.W.1.	Victoria 0146/7
IIBD	Incorporated Institute of British Decorators. Drayton House, Gordon Street, W.C.1.	Euston 2450
ILA	Institute of Landscape Architects. 12, Gower Street, W.C.1.	Museum 1783
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3891
MARS	MARS Group (English Branch of CIAM). 46, Sheffield Terrace, W.8.	Park 7678
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Whitehall 3400
MOE	Ministry of Education. Belgrave Square, S.W.1.	Sloane 4522
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service. St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Abbey 7711
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Whitehall 8411
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalt Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters. 9, Victoria Street, S.W.1.	Abbey 5277/8
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 8161
NCBMP	National Council of Building Material Producers. 2, Caxton Street, S.W.1.	Abbey 5111
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives. 8, Rosebery Houses, Brems Buildings, E.C.4	Holborn 1881
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NHBRC	National House Builders Registration Council. 82, New Cavendish Street, W.1.	Langham 4041
NHTPC	National Housing and Town Planning Council. 41, Russell Square, W.C.1.	Museum 1264
NPL	National Physical Laboratory. Head Office, Teddington.	Molesey 1380
NRIAD	National Register of Industrial Art Designers. National Gallery, Trafalgar Square, W.C.2.	Whitehall 2415
NSAS	National Smoke Abatement Society. Chandos House, Buckingham Gate, S.W.1.	Abbey 1359
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
PWB	Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 7611
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1.	Whitehall 9936
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh.	Edinburgh 20396
RICS	Royal Institution of Chartered Surveyors. 12, Great George Street, S.W.1.	Whitehall 5322
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.9.	Wimbledon 5101
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
RFAC	Royal Fine Art Commission. 6, Burlington Gardens, W.1.	Regent 1446
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
RSI	Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1.	Sloane 5134
SCR	Society for Cultural Relations with the USSR. 98 Gower Street, W.C.1.	Euston 6272/3
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Chancery 5313
SIA	Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.1.	Metropolitan 8344
SNTPC	Scottish National Town Planning Council. 11, Drumsheugh Gardens, Edinburgh, 3	
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6146 (3 lines)
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation. 81, Cannon Street, E.C.4.	City 1476
WDC	War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association. 61, St. Paul's Churchyard, E.C.4.	City 4263/4
ZDA	Zinc Development Association. Lincoln House, Turl Street, Oxford.	Oxford 47988

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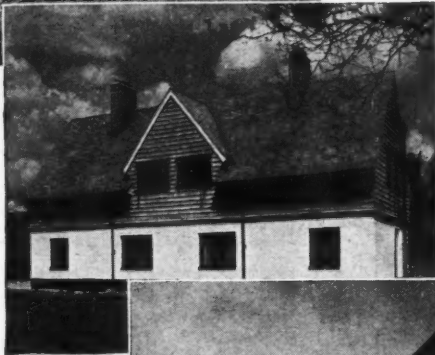
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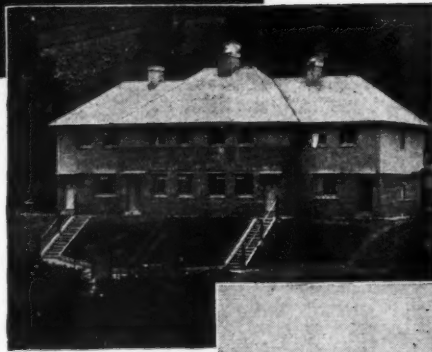
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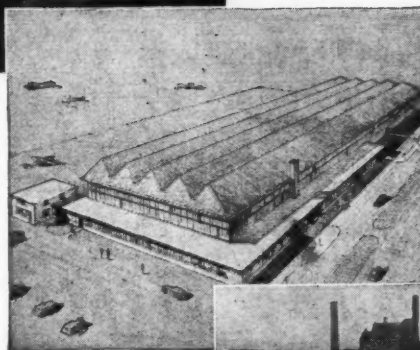
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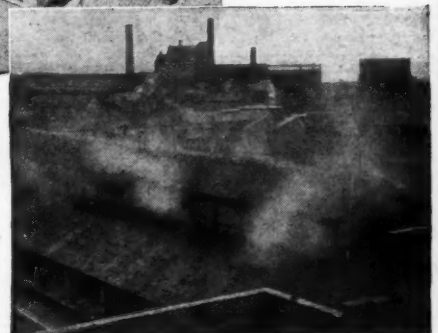
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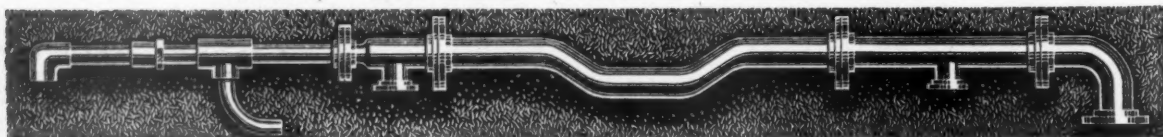


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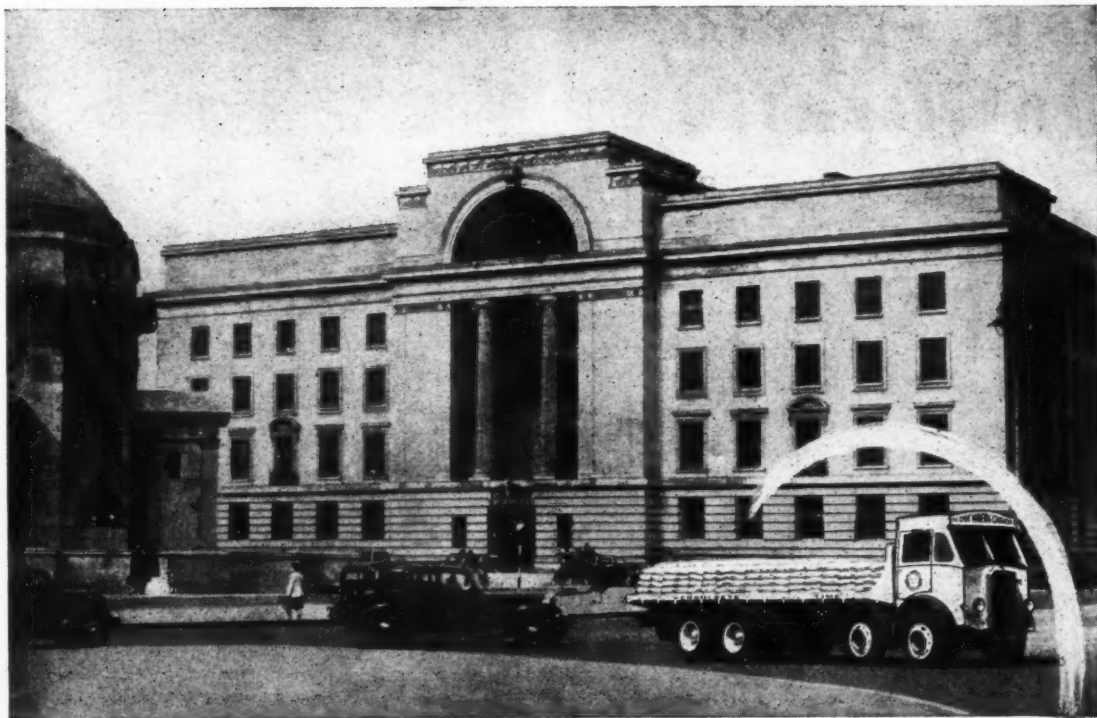
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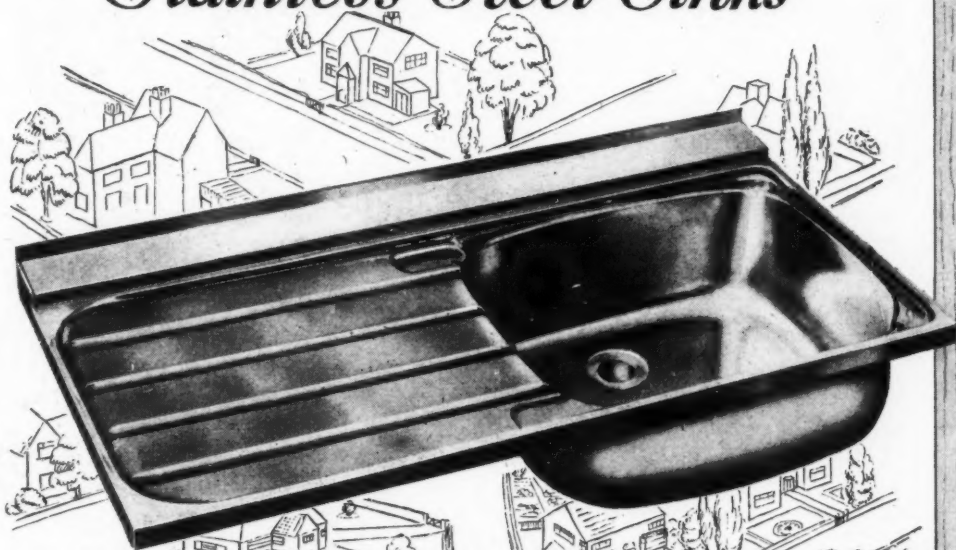
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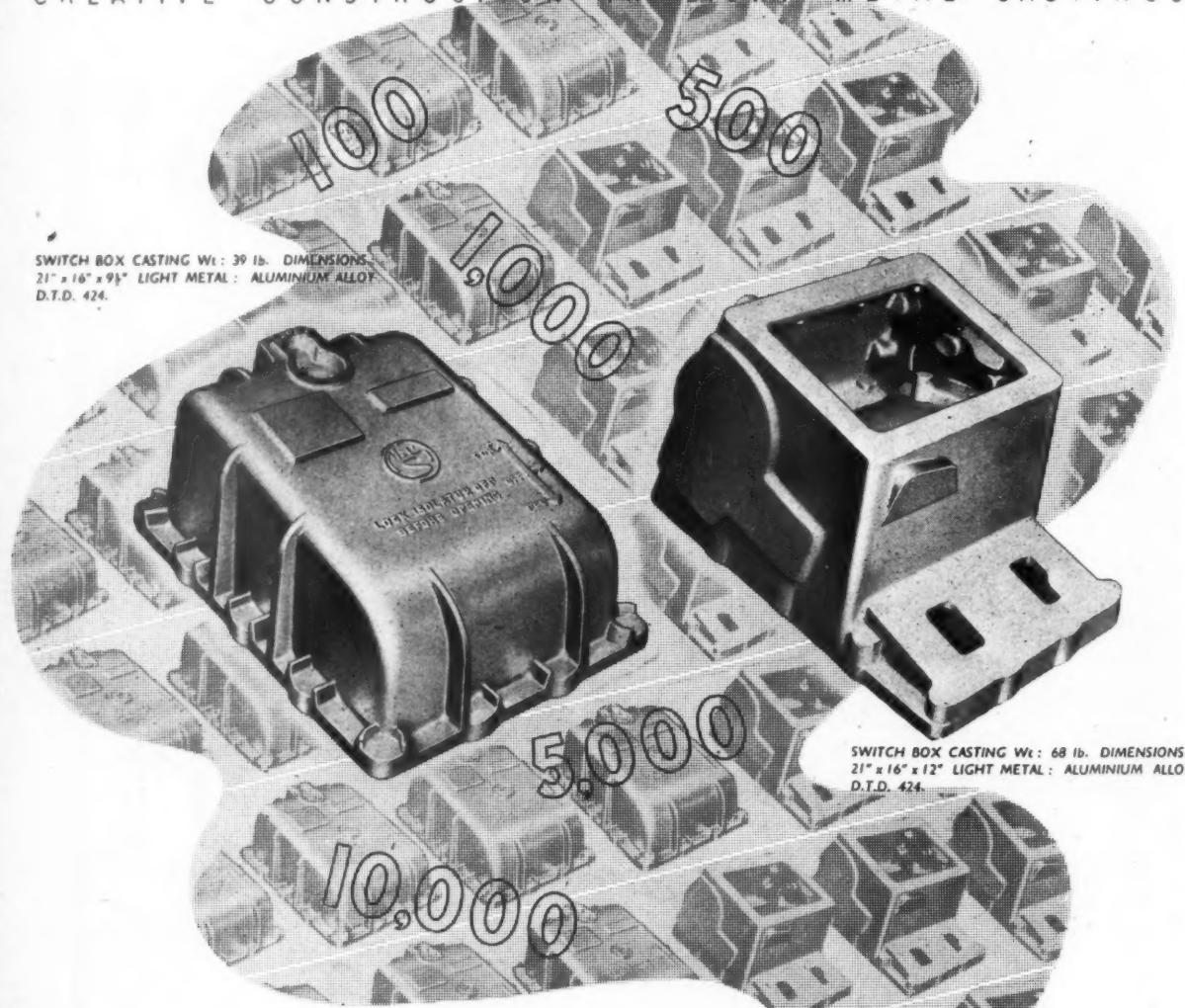
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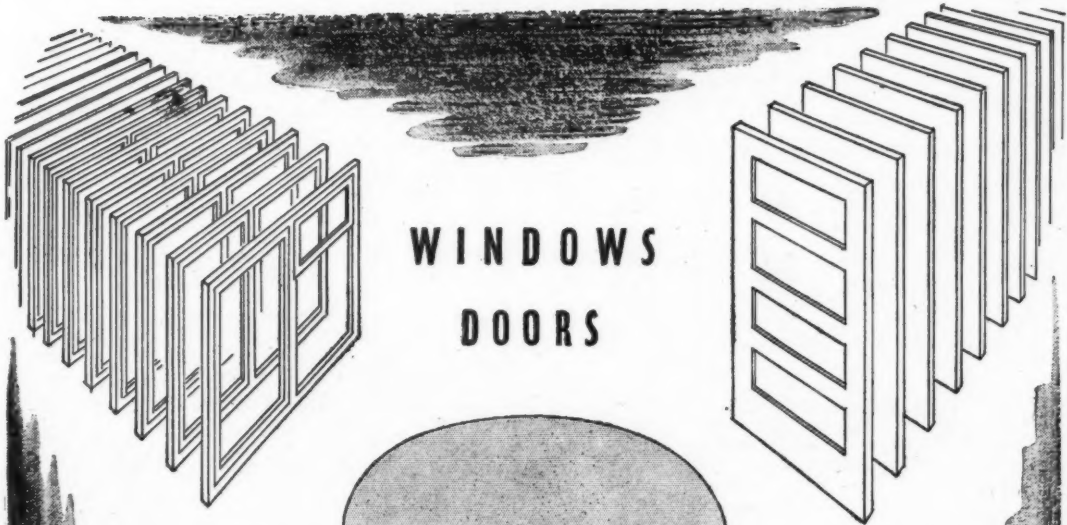
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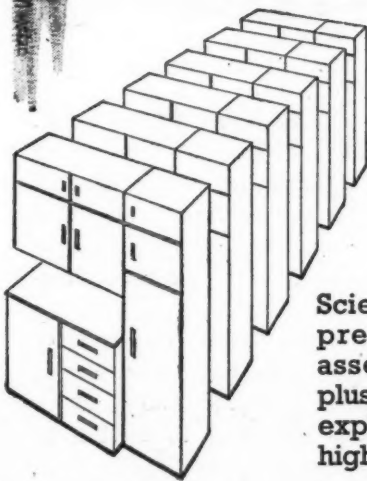
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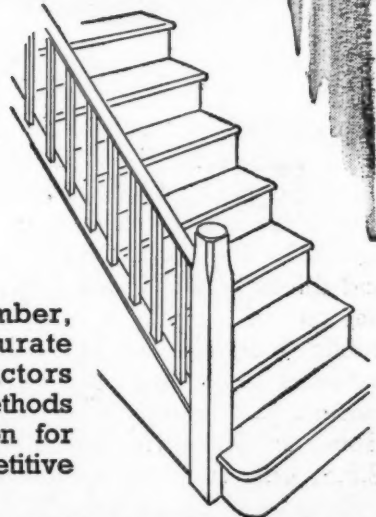


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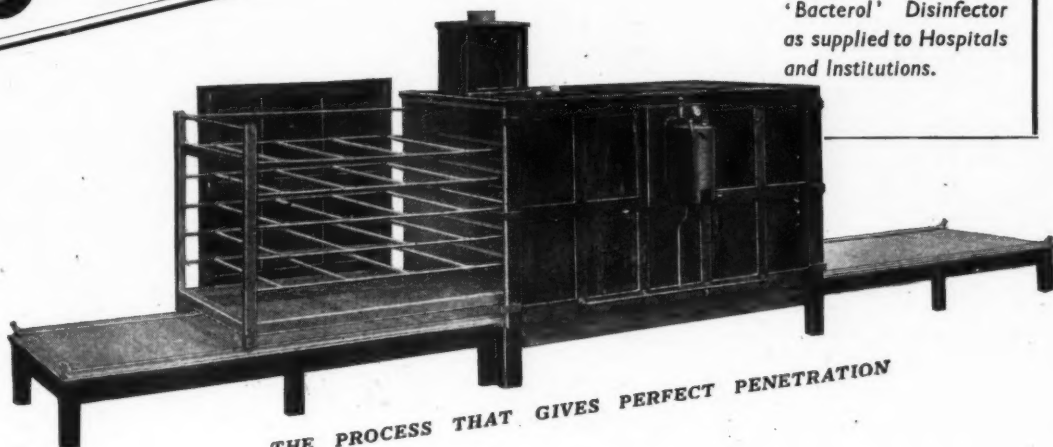
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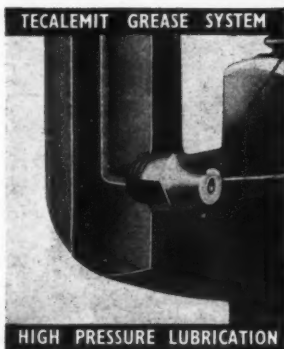
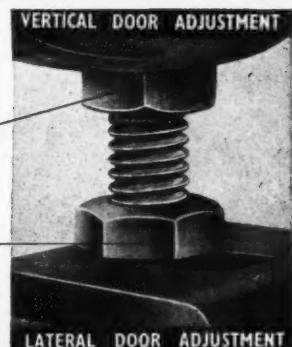
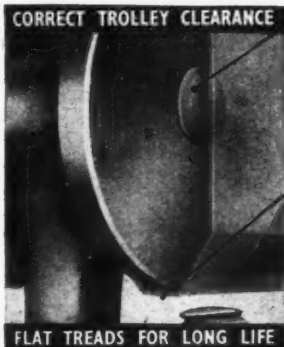
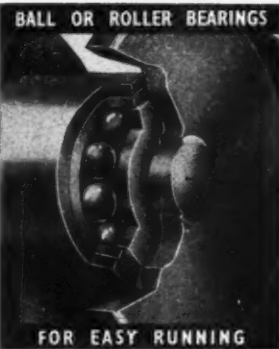
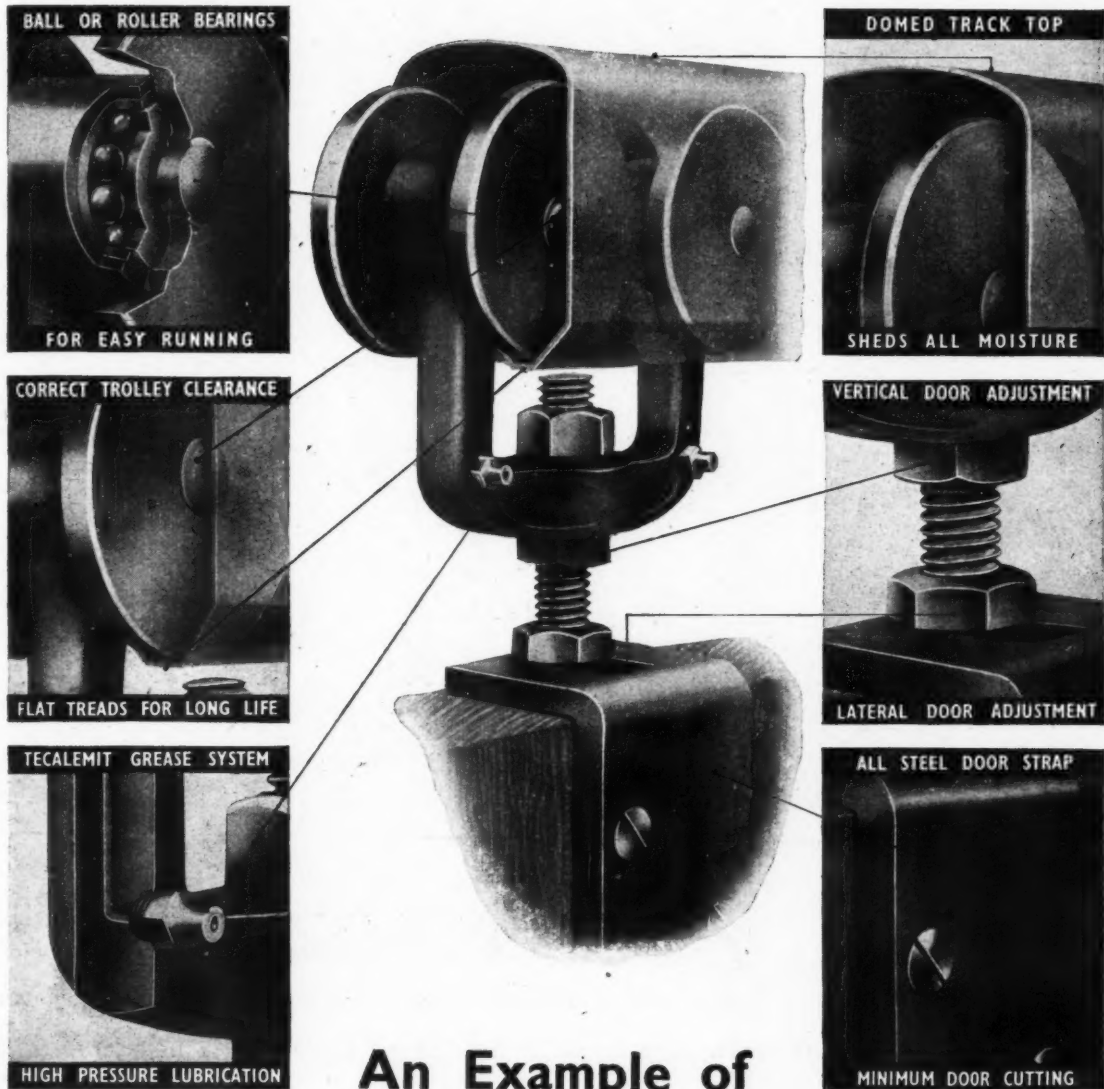
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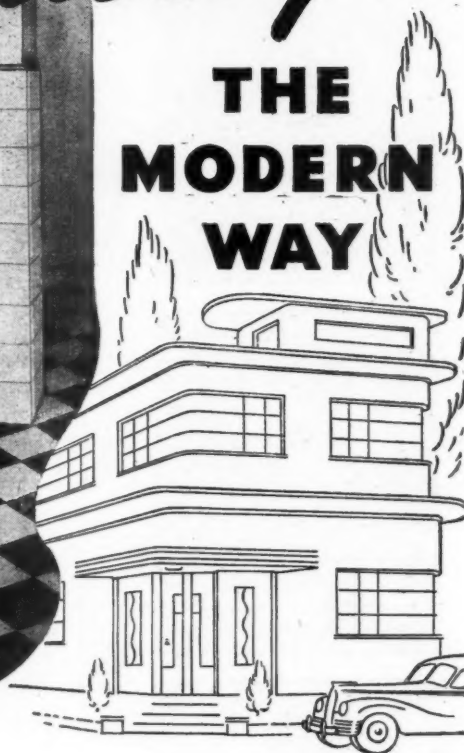
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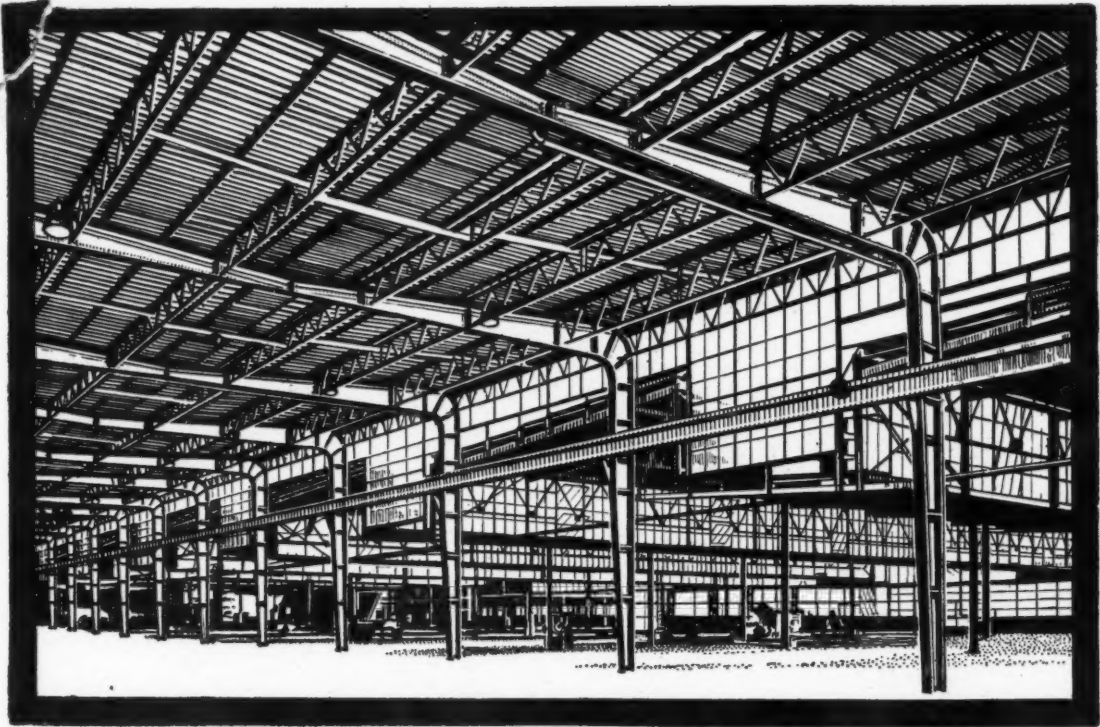
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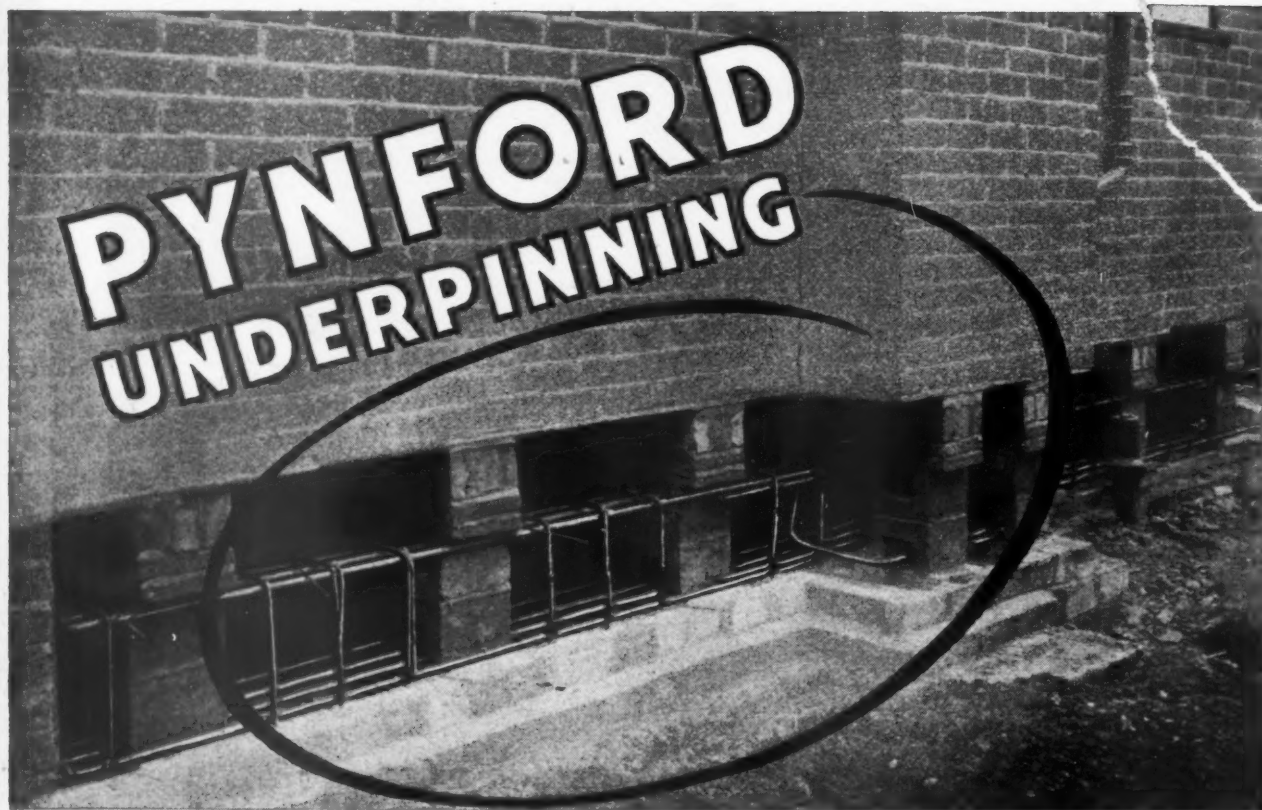
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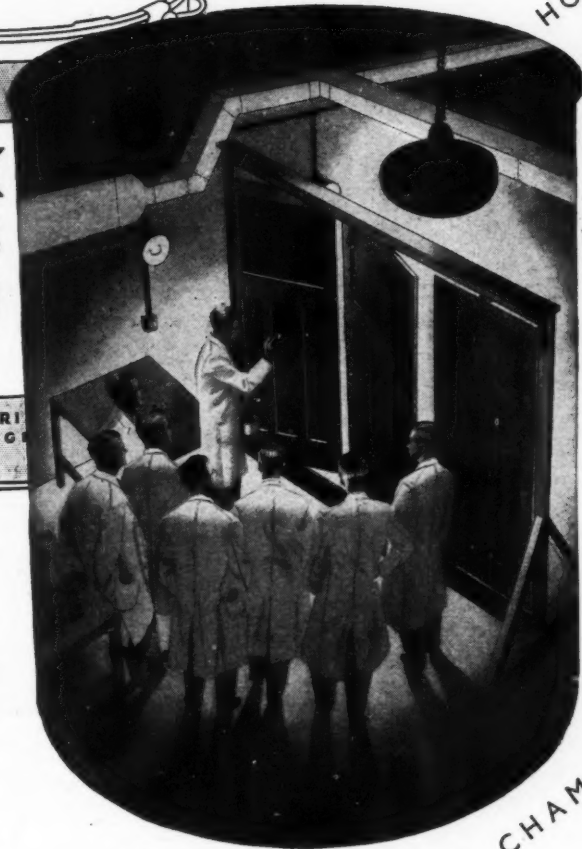
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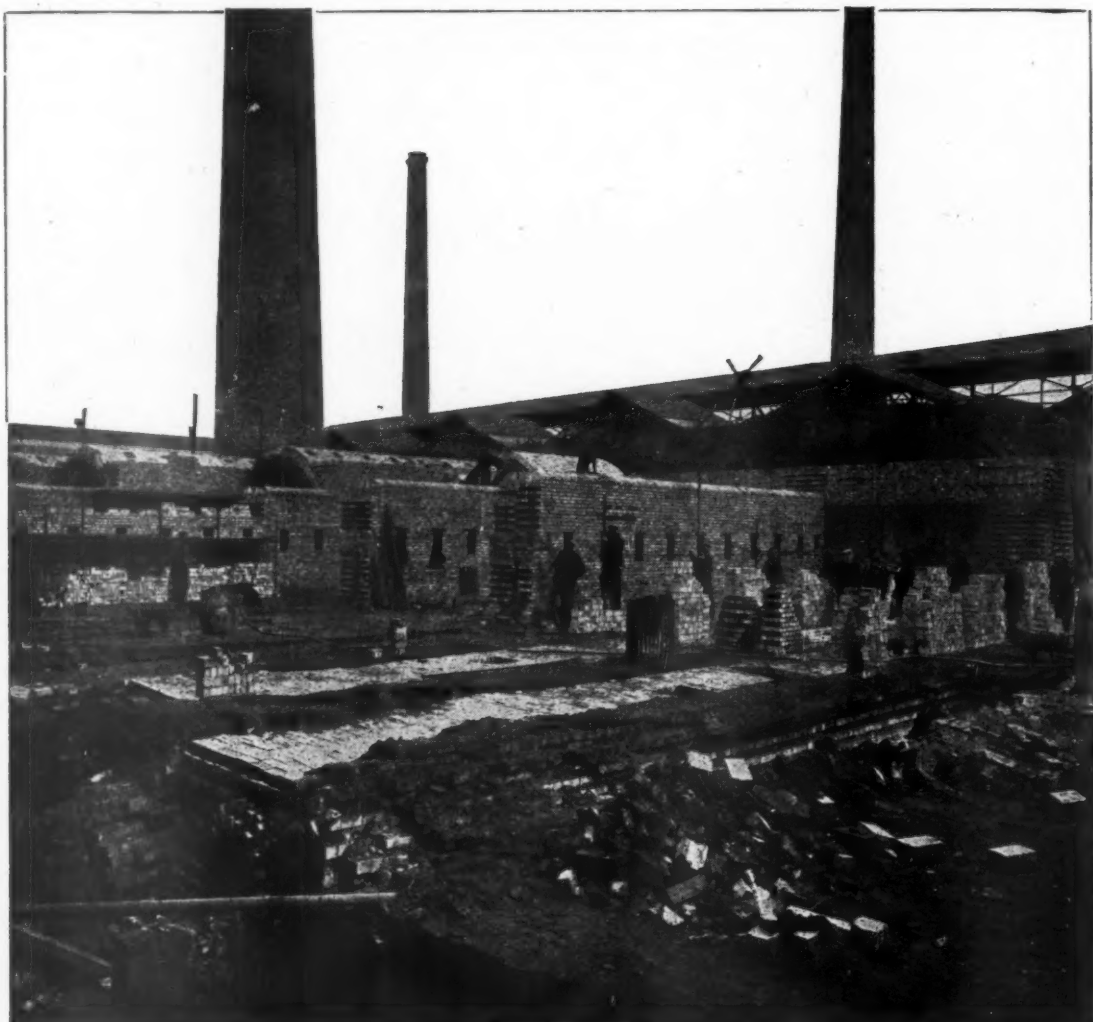
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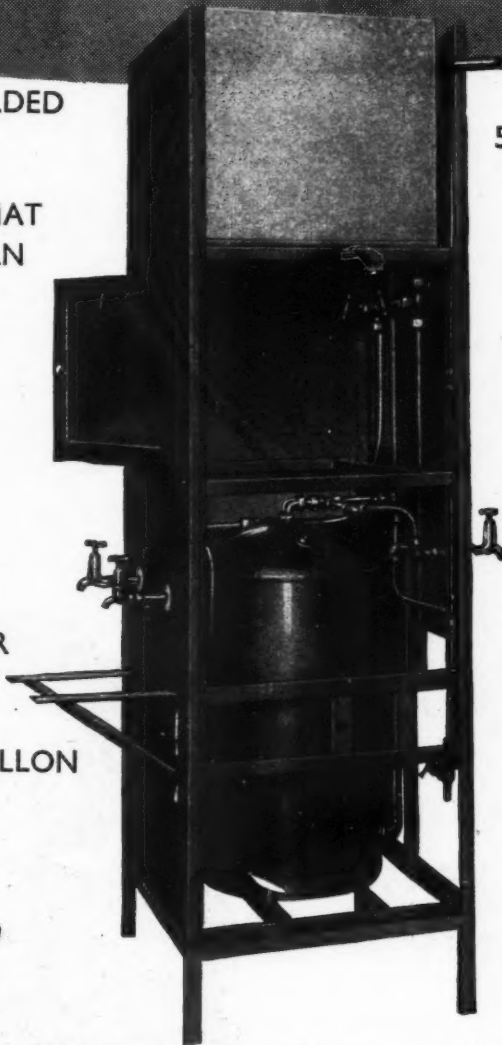
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"The house near Shrewsbury," water colour by John Nash, exhibited at the Royal Academy in 1802. Reproduced by permission of the trustees of Sir John Soane's Museum

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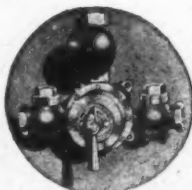
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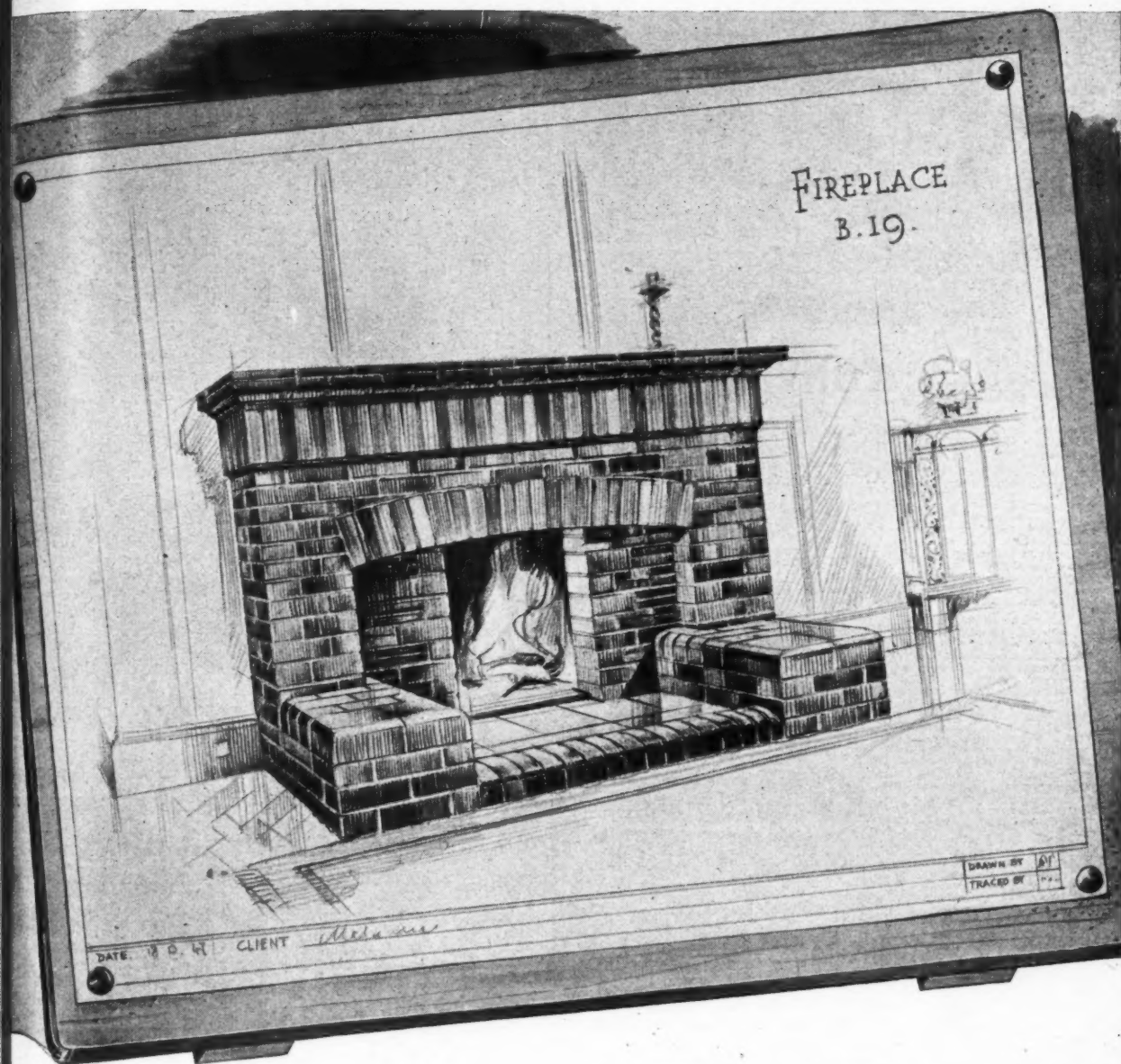
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▲ The astounding fact about all these discomforts is that, while they are accepted as part of the natural order by many people, they are totally unnecessary. In many parts of the world, notably in the United States, the temperature ranges between far greater extremes of cold and heat. Methods have consequently been evolved not only to safeguard water supplies in summer and to keep vital roads and railways clear in winter, but to maintain warm and even house temperatures throughout the year.

▲ Why modern space-heating, in particular, has been denied to the British public for so long remains a mystery. Certainly fuel economy is not the reason, for a departmental report on "Domestic Heating in America" states that houses in Portland are heated by about 41 tons of coal a year. "This is not very different from the quantity used in Britain, but instead of heating a small part of the house for part of the day only to a temperature of about 65 degrees F. the houses will almost all have been heated to over 70 degrees F. throughout the entire house for 24 hours of the day."

▲ Mr. Bevan for the first time set a target of 300,000 houses in 1947. This building should not proceed on the unwarranted but hitherto ineradicable assumption that Britain enjoys an equable climate. Modern devices should be installed to make the home a place of comfort in the extremes of winter and summer alike. The ages of ice, drought and flood should assume their proper place in far-off history.

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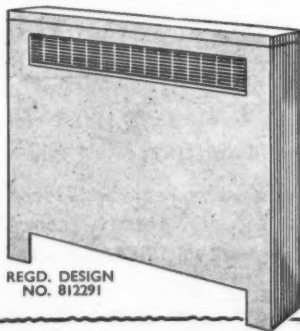
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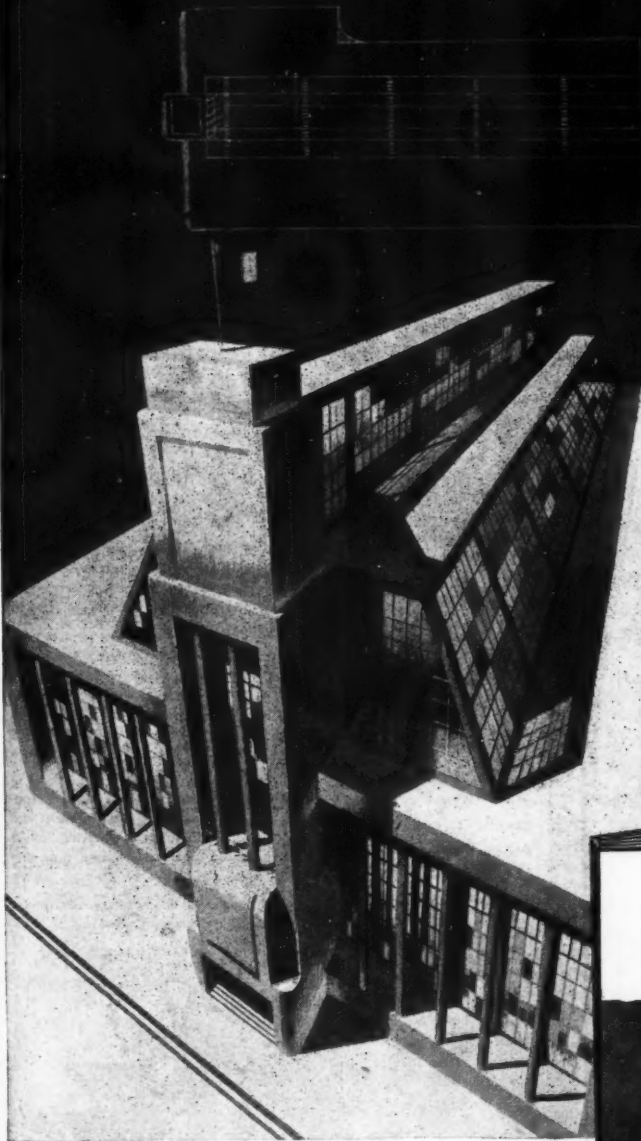
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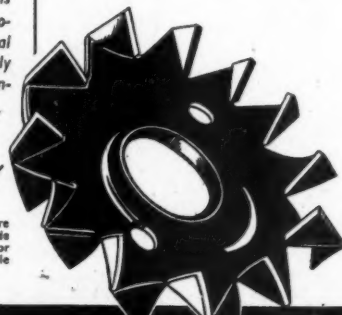
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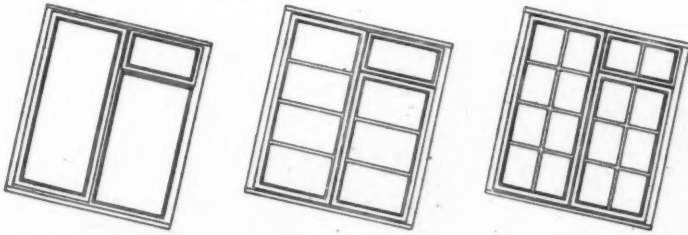
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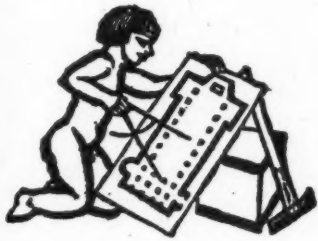
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In common with every other periodical this JOURNAL is rationed to a small part of its pre-war needs of paper. Thus a balance has to be struck between circulation and number of pages. We regret that unless a reader is a subscriber we cannot guarantee that he will get a copy of the JOURNAL. Newsagents now cannot supply the JOURNAL except to a "firm order." 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 15s. each; carriage 1s. extra. Goods advertised in the JOURNAL and made of raw material now in short supply, are not necessarily available for export.



DIARY FOR MAY JUNE AND JULY

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

BIRMINGHAM: *Light Alloys (Structural, Engineering, Decorative).* At Birmetals, Ltd., Woodgate Works, Birmingham 22. The object of this exhibition is to show, under one roof, every use to which Birmabright and contemporary light metals can be put in the building industry. (Sponsors: Birmetals, Ltd., in co-operation with designers and fabricators of the items exhibited.) MAY-JUNE

DUBLIN. *British Architects' Conference.* (Sponsor, RIBA.) JUNE 11-14

LONDON. *Royal Institution of Chartered Surveyors. Annual General Meeting* at 12, Great George Street, S.W.1. (Sponsor, RICS.) 5 p.m. JUNE 2

Planning Town Centres. Sixth of a series of seven lectures on Planning. At the Planning Centre, 28, King Street, Covent Garden, W.C.2. Charge for individual lectures, 2s.; students, 1s. (Sponsor, TCPA.) 6 p.m. JUNE 3

J. R. Kell. *District Heating.* At the RIBA, 66, Portland Place, W.1. (Sponsor, ASB.) 6 p.m. JUNE 4

R. L. Reiss, Vice-Chairman of Executive, Town and Country Planning Association. *A Master Plan for England and Wales.* Last of a series of seven lectures on Planning. At the Planning Centre, 28, King Street, Covent Garden, W.C.2. Admission 2s.; students, 1s. (Sponsor, TCPI.) 6 p.m. JUNE 10

Sir Kenneth Clark. *International Gothic and the Italian Renaissance.* At the Royal Society of Arts, 6-8, John Adam Street, Adelphi, W.C.2. (Sponsor, RSFI.) 5 p.m. JUNE 11

Coal—Britain and Europe. Conference of the Women's Advisory Committee on Solid Fuel. At 6, Stanhope Gate, Park Lane, W.1. Speakers include Sir Charles Ellis, Scientific Member, National Coal Board; and J. Eaton Griffith, Chairman, European Coal Organisation. (Sponsor, WACSF.) 2.15 p.m. JUNE 11

Federation of Coated Macadam Industries Third Annual Luncheon. At the Dorchester Hotel, Park Lane, W.1. (Sponsors: FCMI.) 12.30 p.m. for 1 p.m. JUNE 17

Town Planning Institute General Meeting. At Livingstone Hall, Broadway, Westminster, S.W.1. Address by Lewis Silkin, M.P., Minister of Town and Country Planning. (Sponsor, TPI.) 6 p.m. JUNE 19

Eleventh Public Works Roads and Transport Congress. At Olympia, London. JULY 21 to 25

LUTON. *Danish Domestic Design Exhibition.* At the Public Museum, Warndon Park. (Sponsor, the Arts Council.) UNTIL JUNE 7

MAIDSTONE. *J. M. Holt, of Messrs. Pilkington Brothers, Ltd. Glass. Its Uses in Building.* At the Maidstone Technical Institute. (Sponsors, Maidstone Group, Tunbridge Wells Chapter of the South Eastern Society of Architects.) JUNE 18

SOUTHAMPTON. *Roads Exhibition.* In conjunction with the Southampton Borough Council Road Safety Week. (Sponsor, British Road Federation.) JUNE 16

THE HAGUE. *Fuel Economy Conference.* Particulars from the British National Committee World Power Conference, 201-2, Grand Buildings, Trafalgar Square, London, W.C.2. SEPT. 2-9

TORQUAY. *Town Planning Institute. Twenty-First Annual County Meeting.* (Sponsor, TPI.) MAY 29-31

Royal Sanitary Institute Health Congress. At the Trinity Memorial Hall, Park Street. (Sponsor, RSI.) JUNE 2-7

WIDNES. *Ideas on Design in The Home Exhibition.* (Sponsor, the Arts Council.) UNTIL MAY 31

NEWS

THURSDAY,
No. 2729

May 29, 1947
Vol. 105

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Though no feature in the JOURNAL is without value for someone, there are often good reasons why certain news calls for special emphasis. The JOURNAL's starring system is designed to give this emphasis, but without prejudice to the unstarred items which are often no less important.

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

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

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

★
Architects in and around Maidstone have formed a MAIDSTONE GROUP OF THE TUNBRIDGE WELLS CHAPTER of the South-Eastern Society of Architects Mr. L. Mason Apps, A.R.I.B.A., A.M.T.P.I., has been elected chairman. The object of the group is to encourage members to meet together and to foster the interests of the profession, and to encourage the appreciation of good building among the members of the public. Meetings, lectures and visits are being arranged and monthly meetings will be held. Mr. G. E. Soulsby, of "Claremont," 30, Northdown Close, Maidstone, the secretary, would be glad to hear from members of the South-Eastern Society uninformed of the activities of the group or from architects wishing to join the society and become connected with the Maidstone activities.

INFORMATION CENTRE INDEX

An alphabetical index for the first six months 1947, covering items published from January 2 to June 26, inclusive, is being prepared. Readers who wish to have a copy — it is free of charge — should notify the Technical Editor, The Architects' Journal not later than June 30.

In a changing world . . .



Above: The First Class Smoking Saloon of the P. & O. Liner 'Mooltan'.



Timber endures

"All arts and artisans whatsoever, must fail and cease, if there were no timber in a nation," wrote John Evelyn in the 17th Century—a truth that is carved indelibly in the structural and decorative productions of all ages. To-day, designers and craftsmen enjoy a far wider selection of timber and timber manufactures than ever before . . . including hardwoods and veneers from all over the world, water resistant plywood (flat, shaped or metal faced) and the advantages inherent in modern kiln drying, fireproofing, etc.

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TELEGRAMS & CABLES
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From AN ARCHITECT'S Commonplace Book

THE AIM OF ARCHITECTURE. [From *Towards a New Architecture*, by Le Corbusier. (Architectural Press.)] One commonplace among Architects (the younger ones): *the construction must be shown.* Another commonplace amongst them: *when a thing responds to a need, it is beautiful.* But . . . to show the construction is all very well for an Arts and Crafts student who is anxious to prove his ability. The Almighty has clearly shown our wrists and our ankles, but there remains all the rest! When a thing responds to a need, it is not beautiful; it satisfies all one part of our mind, the primary part, without which there is no possibility of richer satisfactions; let us recover the right order of events. Architecture has another meaning and other ends to pursue than showing construction and responding to needs (and by "needs" I mean utility, comfort and practical arrangement). **ARCHITECTURE** is the art above all others which achieves a state of platonic grandeur, mathematical order, speculation, the perception of the harmony which lies in emotional relationships. This is the **AIM** of architecture.

★ *Probably never before has the Church in England been faced with such an enormous programme of CHURCH BUILDING and repairing as will be called for during the next few years.*

This statement is made in an interim report on the Church's needs, published with the 129th annual report of the Incorporated Church Building Society. After pointing out that while publicity has rightly been given to the ancient and historic churches which have been entirely destroyed or seriously damaged by enemy action, the report states that little information appears to be available as to the number of smaller parish churches which have suffered loss or serious damage. In 36 English dioceses 281 churches have been destroyed and over 2,000 seriously damaged, while two Welsh dioceses have lost five churches and have had 62 seriously damaged. In the dioceses of London, Rochester, and Southwark alone, 147 churches were destroyed and 1,057 seriously damaged. Apart from buildings destroyed as the result of enemy action, a large number of new churches will be needed in the satellite towns and housing estates now being planned. Figures supplied by 31 dioceses show that 369 churches will be required during the next 10 years, 278 of these being in respect of 14 dioceses. It is likely that these figures will be considerably exceeded when full details of local housing operations are made known. With regard to church repairs, 15 dioceses

compute that 742 churches need essential repairs, and 14 dioceses place the amount needed at over £700,000—in most cases at 1939 prices. Since its foundation the society has made grants amounting to over £1,080,000, thus helping to build 3,000 new churches and preserve a very large number of ancient and historic buildings, as well as to aid the repair of churches in many poor districts. Copies of the report can be obtained from Mr. E. E. Ratcliffe, Secretary of the society, 7, Queen Anne's Gate, Westminster, S.W.1 (price 2s. 1½d., post free).

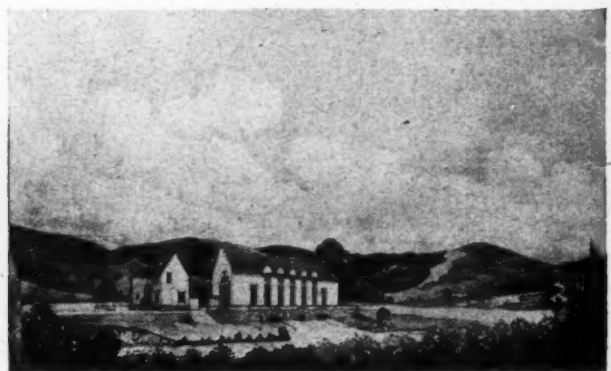
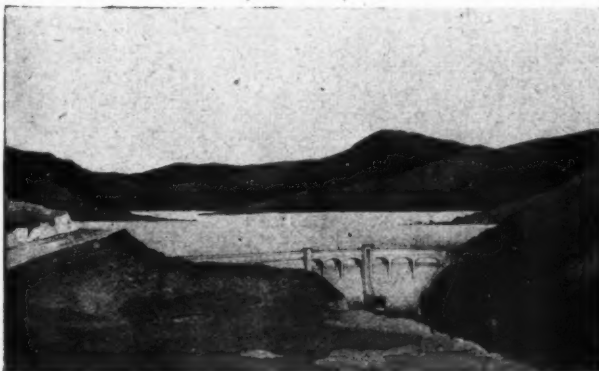
It is proposed to build a Child Welfare and MATERNITY CENTRE on a blitzed site in Coram's Garden, Brunswick Square, Bloomsbury.

The idea is suggested to the governors of the Foundling Hospital by Professor Alan Moncrieff, Principal of the London University Institute of Child Welfare, Great Ormond Street Hospital. The Maternity and Child Welfare Committee of St. Pancras Borough Council recommends the Council to co-operate in the scheme and to request the consent of the Ministry of Health. The cost of adapting the premises would be about £3,000, borne by the Foundling Hospital, while St. Pancras Council

would be required to provide a doctor and a health inspector.

Hornsey Council is seeking the help of people of the borough to BRIGH-TEN UP THE STREETS and sweep away dowdiness and dilapidations caused by wartime restrictions and bomb damage.

Announcing the scheme, Councillor F. E. Cleary, chairman of the Town Planning Committee, said the council's scheme for providing gardens and developing waste land in the borough had been drastically curtailed for economy reasons. But, he said, with the co-operation of the ratepayers a lot can be done to make the streets more attractive. The scheme proposes that churches, hospitals, blocks of flats, hotels and nursing homes should help with their own flower displays, and the public could be encouraged to take advantage of the council's free advice in planting trees at certain points. Builders are to be invited to co-operate by persuading property owners—when having their houses, shops and other places repainted—to select colour schemes harmonising with the surrounding areas. Organization of groups to maintain small public gardens is suggested.



The dam and power station proposed to be erected at Glen Lussa in connection with the scheme of the North of Scotland Hydro-Electric Board for the electrical development of Kintyre (Argyllshire). The project consists of a hydro-electric scheme in Glen Lussa and transmission lines to take electricity to the coastal villages and to farms and cottages on both sides of the Kintyre peninsula between Campbeltown and Tarbert. Electricity produced by the hydro-electric generating station in Glen Lussa will also provide additional supplies of power for industrial development in Campbeltown. Seventy-five per cent. of the population between Campbeltown and Tarbert will receive a supply from transmission lines which will be erected on the east and west sides of the peninsula interconnecting the two places. The scheme, to cost £480,000, will have an average annual output of 8½ million units. It will comprise the formation of a new loch and the construction of a dam, power station, pipelines and staff accommodation.



He Doubles the Speed of Bricklaying

This is a portrait of a former bricklayer who by an example of initiative and enterprise is showing builders how to speed up the laying of bricks by mechanical means. Applying a knowledge of engineering gained during war service to his traditional bricklayer's skill, Mr. R. F. Warry is developing, on an experimental site at Richmond, a number of ingenious mechanical inventions for the more efficient laying of bricks in houses of traditional construction. His most important contribution is a jig which ensures bricklaying of more than usual accuracy and a minimum of skill and allows building to proceed under cover. In the photograph Mr. Warry is handling another of his inventions, a brick carrier with a detachable trolley which renders the hod obsolete. A third invention is a builders' hoist which can be taken down and transported with celerity and ease. The inventions are described in *The Industry* on page 465 this week. It is stimulating to find in the general slough of despond such an example of enthusiastic resource. As Mr. Warry himself points out, this is a country rich in clay. Why then import building materials? Use machinery to aid the traditional crafts and so increase the output of houses per man hour. Hard manual work alone, without full technical assistance, cannot solve our problems.

★
The American College of Surgeons has presented over £10,000 towards the RESTORATION OF THE ROYAL COLLEGE OF SURGEONS.

Sir Alfred Webb-Johnson, President of the Royal College of Surgeons of England, has received from Dr. Irvin Abell, the president, a cheque bringing the total contributions of the American College of Surgeons towards the restoration of the English College to over £10,000. The gift brings the total received towards the £250,000 required for the restoration to £176,000. The American College is presenting a desk and lectern for the lecture theatre of the English College, which will be formally presented during the congress of the International Society of Surgery, to be held in London in September.

The Ministry of Health has issued a circular to local authorities on the COST OF RURAL SEWERAGE SCHEMES.

The Minister states: In view of the general shortage of labour and materials, and the demands of other public services, local authorities should, in order to avoid waste of time and unnecessary expenditure, limit their first programmes to the preparation of schemes for those parts of their districts where (i) groups of some 20 or more houses, supplied or likely to be supplied with piped water, are sufficiently concentrated to enable sewers and sewage disposal to be provided at reasonable cost; or (ii) sanitary conditions are such as to call for immediate attention; or (iii) new housing development during the next few years will bring areas within either of the foregoing categories. The characteristics of the areas to be sewered are too varied to admit of any general rule as to the cost of the schemes. It is, however, being found that the capital cost of straightforward schemes on these lines, at present-day prices, will not exceed £50 for each property likely to be connected to the sewers; more complicated schemes may cost as much as £100 per house on the same basis; in exceptional cases the cost may be as much as £120 for each house. As a general rule, the Ministry will not, for the present, approve schemes for immediate execution if the cost exceeds these figures.

Two main conclusions are reached concerning HOUSING STANDARDS OF FITNESS for habitation in a report by a sub-committee of the Central Housing Advisory Committee, under the chairmanship of Sir Miles Mitchell.

(1) A recognized standard is needed to which an existing house should conform if it is to be regarded as satisfactory; (2) a more definite minimum standard of fitness, enforceable at law, should be established, any house falling below this to be regarded as unfit for habitation. The Ministry of Health is circulating copies of the report to housing authorities, accompanied by a letter in which it states general agreement with the committee's recommendations, but it would not be appropriate to introduce legislation at the present time since practicable effect could not be given to them under present conditions.

NATIONALISATION OR EFFICIENCY?

THE prescription of nationalisation has now been openly advocated for the building industry, according to a recent press report of a speech by Mr. Richard Coppock. "It would be the easiest job in the world," he is reported to have said, "since there are no assets and no compensation to pay out"—and, of course, no political difficulties involved in outright expropriation of nearly 150,000 self-owned businesses.

By the rival firm of medicine men, somewhat well-worn grumbles in favour of private enterprise are uttered at frequent intervals. In a carefully prepared *Report on the Effect of the Shortage of Houses on the Production of Goods*,* the Association of British Chambers of Commerce recently protested that the imposition of a price ceiling on the houses built by independent builders was "manifestly unfair," and "has the effect of restricting their activities." In the view of the Association "builders should be allowed on their own account to erect 50 per cent. of the houses built in their area." But is the choice really between nationalisation on the one hand, and tossing back the ball to unfettered private enterprise on the other?

The housing programme needs men, and men who will work, organisation and materials. The men are there (though the Association of Chambers of Commerce is misled when it says that the "total labour force in 1946 was approximately equal to that employed in 1939," since this was very far from true for the average numbers employed throughout the year). The organisation should be available; but the materials are lacking—and so, apparently, is the will or ability to work intensively.

What are the remedies? It is useless to propose a change back to a mainly "private enterprise" approach; this is not only politically impossible, but it would not yield, on the most favourable assumptions, any tangible results for months or years to come. The over-all shortage of materials would not be reduced in any way by such a reversal of policy.

On the other hand, the flow of materials could be, and must be, improved. The Association of Chambers of Commerce makes the suggestion that the "W.B.A. priority distribution scheme . . . should be tightened up, to ensure that materials are used for the proper purpose." On this point, for once, the Association sees the advantage of an efficient "bureaucratic" control.

In addition, the attitude of labour both to overtime, and to working for an incentive payment needs to be modified; the rule which forbids overtime in summer is nonsense after the bad months of last winter. Up and down the country enforcement of the rule is causing irritation with the unions

* Dated March, 1947, and issued from 14, Queen Anne's Gate, S.W.1.

on the part of local authority councillors and the public generally. At the same time, the inefficient and lackadaisical control of building materials needs to be turned into a production *drive*, which shows results within a fairly short period. The present method of administration does not give the building industry confidence that either output of materials is being speeded up as it should be, or that their distribution is even moderately well organized; substitute materials are not being sought out and used with vigour, and the administration appears to confine itself to half-hearted restrictionism. Over the next month or two, this gap in policy ought to be filled. A production plan for each major building material should be made known, and the considerable expedition into new methods of construction should be seen to bear fruit.



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

CHOOSING AN ARCHITECT

How does one choose a butler, a dentist, an architect? In these days obtaining a butler is largely a question of bribery, and a dentist perhaps a matter of chairside manner but in choosing an architect to design an important public building, it seems one thrusts a pin at a list of a dozen eminent names, secure in the knowledge that the eminent will earn no brick-bats from the popular press. It is, of course, not certain that Mr. Key, the Minister of Works, torn and not a little nonplussed about the choice of an architect for the new Colonial Office, to be built on the site of the old Westminster Hospital, was in fact left with a pin in his hand and it would be

interesting to know exactly how the final choice was made.

*

This is not to say that Mr. Tait is not a wise choice. Indeed, there is a measure of relief to know that the proposed Colonial Office is now unlikely to soar above its environs, an essay in splendid monumentality. What is disappointing is that the many young architects, having doffed uniform and eager—needfully eager—to build are denied the opportunity to ventilate their ideas even in so hazardous a gamble as an open competition. The argument that eminent architects are not likely to enter competitions is hardly valid. Given competent assessors a design worth building will be selected irrespective of the eminence of the winner.

POWER AND LIGHT

Mr. Silkin seems to be passing somewhat severely through a system of over-compensation, for the other day, when he was supposed to discourse on Town Planning at the opening of the Thirteen Nations Exhibition in Westminster, he could only inveigh against the foolishness of some who loved great cathedrals, and extol the wisdom of others who suddenly had perceived, like the speaker, their path to salvation through the sudden and dramatic message of Power and Light.

*

Mr. Pepler, of the Town Planning Institute, interrupted, with great good humour, to ask whether Mr. Silkin was really speaking on Town Planning, or had by mistake brought with him notes for a discourse which should have been delivered to the Institute of Electrical Engineers.

After the meeting, I took off in a very tiny aircraft, and flew very low along the Thames from Westminster to the Bankside site opposite Saint Paul's, having an excellent opportunity of inspecting from the air the black and picturesque tangle of industrial mess which confronts the nobler and more spacious buildings on the north side of the river. No more vivid proof could have been afforded of what wonderful and inspiring improvements will be made here by great and farseeing layout and design, and may the time soon come when, in deference to overwhelming public opinion, and in particular to the still guiding light of Sir Patrick Abercrombie, as flashed and thundered in last week's *Times*, Mr. Silkin will come, finally, to understand that the many millions of the Empire and the Commonwealth will flatly refuse to be cheated of the finest town planning and architectural opportunity which it has ever been offered.



Shades of Cecil Rhodes. See Astragal's comment.

WHAT EMPIRE-BUILDERS BUILD

A correspondent has sent me a copy of *The Rhodesian Annual*—a massive volume of large page size, about half-an-inch thick, printed on art paper throughout, with coloured cover. Though its make-up is so amateurish as to make one suspect that *mise en page* has not yet been translated into Rhodesian, it is full of interesting photographs of Rhodesian life, scenery and buildings. In an advertisement my wandering eye was brought to an abrupt and unpleasant halt by the domestic suburbanity reproduced above.

*

Whether this is really what Empire-builders like to build, or whether the explanation is that the advertisers had to use a ten-year-old stock block from the Home Country, I don't know:

but there it is. Below the picture I read: "There is no problem in connection with the building of a house that cannot be dealt with by us." I am glad there is no similar claim to design as well as construct.

HONESTY THE BEST POLICY

The April issue of the *Journal of the Surveyors' Institution* reprints a paper read to the Institution in March on *The Expert Witness*, by Dr. H. B. Williams, LL.D., and a sobering paper it is when one remembers that in one sense all professional men are potential expert witnesses. The expert witness is always at some disadvantage in planning his conduct in court. He is not a partisan; he knows that there are bad points in the case on behalf of which he is called as well as good ones. He must be honest, otherwise he ceases to be professional.

If he appears at all on behalf of one side rather than the other it must be because he considers that the good points on that side outweigh the bad. Perhaps the best advice that Dr. Williams gave was that the expert witness should face the bad points fairly and without equivocation. To attempt to fence over them only attracts attention to them. Advocacy should be left in its proper hands.

One other point struck me in reading the paper: how much lawyers seem to

dislike and detest planning. Here is an extract from the paper: "Before the last war the purpose of planning was to regulate the use of land by its owners. . . . Planning has now degenerated into a licensing system." Perhaps the TPI would care to use this extract in an examination paper, adding only the words, "Comment on this. Answers should not exceed 5,000 words and must be blue-pencilled."

RADIO RATTLE

In 1943 the German authorities of occupied Holland confiscated all wireless sets. Immediately, of course, there arose a tremendous demand for pocket-sized receivers which could be easily hidden away or disguised as articles in daily use. Several thousands of these were made secretly by members of the famous Philips radio organization at Eindhoven, and some of the more ingenious of them are illustrated below in a photograph reproduced from a recent issue of *Philips Technical Review*. You can see sets concealed within a cigarette box, a Vim carton, and the cut pages of a book. In the foreground is perhaps the cleverest of them all. The set is assembled in a baby's powder box and the earpieces disguised within knitted covers as baby's rattles. The connecting flex is covered with wool and was used as a dressing-gown cord. Thus wired for sound, mother and child retired happily to bed to listen to Radio Orange.

ASTRAGAL



Disguised radio receiving sets made secretly in occupied Holland. See Astragal.



LETTERS

John H. Jones

Harry Judson, A.R.I.B.A.

Salaries

SIR,—I wish to express my surprise at the pay offered to Architectural Assistants by local authorities and the duties and qualifications expected of them. In one case £8 a week is offered, for which the assistant is expected to carry out considerable architectural work and also much that would be done by a civil engineer.

In comparison, if the building apprentices get their demand they will get £6 12s. 0d. a week basic, not allowing for about another 10s. at least overtime, say £7 2s. 0d. a week. An architect has had five to six years' expensive and university training behind him, and is therefore a highly trained member of the community, a man skilled of which few are capable.

I do not argue that the building tradesman does not deserve a decent wage, but consider an Architect a very badly paid member of the public.

It is about time some more energetic organisation was founded to protect the technician and demand a wage equal to his skill. The professional bodies cannot be expected to do this, it is not their duty, or is it?

Why don't young Architects get together with other technicians to fight their cause?
Newcastle

JOHN H. JONES

RIBA Elections

SIR,—According to the figures quoted in the recently issued annual report of the RIBA Council, 1,978 Fellows, 5,253 Associates, and 2,844 Licentiates of the Royal Institute will be entitled to vote at the elections of the Council for the year 1947-48.

Of a Council of approximately 70 members, 12 are to be directly elected, of whom only 3 are to be from the Associate class, and for these 3 seats we are already confronted with 8 ready-made nominations. This state of affairs appears to fall a long way short of true democracy.

In my opinion, it would be no more inequitable and it might be to the lasting good of the Royal Institute, if the rules could be amended to make an Associate's vote worth twice that of a Licentiate and $1\frac{1}{2}$ times that of a Fellow, and to provide that three-quarters of the total number of seats of the Council be held by Associate Members.

It is hoped that the few elected next time will take active steps to secure that in future the governing body of the Institute is representative of, and directly controlled by, the membership as a whole.

Maidstone

HARRY JUDSON

In this article the author discusses the latest White Paper on Housing and offers some suggestions for a real plan.

THE NEW PROGRAMME

[by Ian Bowen]

HOUSING PROGRESS

In the coal crisis, while it was at its sharpest and before it became dormant and endemic, public opinion had a shock. Millions of those who had endorsed, and were still prepared to endorse, the principle of a planned economy, were included among the shaken. What was unexpected was the ineptitude in planning which the accident of bad weather exposed.

The supporters of planning (and, of course, the opponents) have even more reason to cavil at housing progress. In the first three months of this year 20,000 permanent houses have been finished in Great Britain. This is less than the average monthly figure needed to carry out the "Housing Programme for 1947" so confidently issued to the country about ten days after the snow had begun to fall.

In Cmd. 7113, the Housing Return for England and Wales, "the effects of a phenomenal winter" are described as the "most important" reasons for abandoning the programme issued in the middle of that winter.

It was a very bad cold spell. But several winters in the last seven years have been severe enough to hold up building work very considerably, and to slow down the production of building materials. The plan issued in January, 1947, almost appeared to ignore the seasons altogether. The simplest arithmetic made that clear at the time. Next year perhaps a prudent allowance may be made for seasonal factors.

THE ABC OF PLANNING

"To maintain a balanced programme as the year proceeds," says the latest White Paper (Cmd. 7113), "the number of houses completed month by month must first be brought up to and then beyond the number of new approvals given and new houses started." This is an improvement on the official doctrine of twelve months ago, which seemed to be to "pile 'em into the programme," whether the houses could be finished or not. The increase in numbers of "houses under construction," and the growing complaints of shortages of materials, probably have compelled the change of policy.

But one lesson is hardly as good as a complete correspondence course. Architects, being planners by profession, might perhaps start planning a programme something like this:—

- What are the objectives of the programme? What clients have to be satisfied?
- What costs can be incurred?
- What are the resources for carrying it out?

If these three questions can be answered as well as may be, then a rational programme can be worked out and published. To have a target or programme—for this purpose the words are interchangeable—assists the realisation of a production plan. At first sight it may appear more reasonable to confine the new objective for the remainder of 1947 to finishing "as many as possible of the 218,783 houses already under construction." But the danger of this kind of objective is that it limits planning only to the immediate short period; the test of planning now will be the accomplishment in 1948—just as present performance is a commentary on planning in 1946.

THE OBJECTIVES OF THE PROGRAMME: COSTS AND RESOURCES

Perhaps it may be as well to recapitulate the basic objectives of present policy. The objectives of the programme are (a) long-term; to provide accommodation for 4 million families, or more, according to the minimum housing standard that is tolerated; (b) short term, to remove the "immediate" shortage of houses, by providing some 750,000 new houses in two or three years' time.

This programme has to be carried out at a reasonable cost, for two reasons: the houses have to be let to the working and middle classes at rents that they can afford, and if this must be done by a subsidy, the subsidy cannot be indefinitely increased without causing a serious taxation problem. Secondly, the national income as a whole is limited, and not more than a percentage—possibly not a much higher percentage than the 4 per cent. of national income proposed for housing in the "Economic Survey for 1947"—can be earmarked for this purpose. Costs, then, are important, and must be controlled.

Resources of labour are available in the building industry already; the problem is to see that enough of the labour goes on to new housing work. For materials the position is bad. Timber is short; and had it not been for the slow building progress of the last few months, a famine of bricks and many other building materials would have already occurred. Severe shortages will indeed soon show themselves.

All these points have been made often enough. Put in brief, they underline the necessity for a simple, clear but rather radical plan for house production.

OUTLINES OF A PLAN

There is only one way of meeting the present *impasse*, which arises from excessive demand in aggravated and continuing circumstances of short supply: that is the way of invention and ingenuity. All the best and most efficient traditional methods must, of course, be exploited, so that available resources are not wasted, or allowed to be used for less urgent building work. But in addition to traditional methods, new methods must be tried not only tentatively but boldly.

The Government is to be congratulated on approving to date 54,054 tenders for permanent non-traditional types in England and Wales and Scotland. This, and the success of the temporary prefabrication programme, are the two successes so far recorded.

Unfortunately the only really large order so far placed has been for BISF house, for a repeat of which steel may not now be available. But several other types, such as Easiform, Orlit, Airey, and Wimpey, "no fines" are coming along more rapidly. The public at large has not yet grasped that it is in the progress of these houses that the hope for a housing policy abides.

Instead of 10 per cent. of the programme, the non-traditional house should be capable of expansion to 25 per cent. or 30 per cent. Those types should be selected which are

especially economical in the use of the shortest materials, e.g., coal and timber. Teams of workers should be brought together and kept in continuous employment on contracts for these new types; such teams can become highly proficient and labour costs can thus be reduced.

But this sort of planning necessitates, to be effective, a programme. To get a production flow not only the size of the order, but the dates of delivery, must be known well in advance.

Nor do the arguments in favour of a programme apply to non-traditional housing alone. Traditional houses, too, need materials' supply provided well ahead. Over the next two or three years there is no possibility of a return to the easy pre-war system of distribution of materials, based upon adequate stocks. Those stocks just cannot be built up. If housing did not use the materials, some other buyer would claim them. So planning of materials' delivery ahead will remain one of the burdens of the local authority's architects for some time to come. At the national level, it is the burden of the Government.

A plan must be built round the fundamental objectives of obtaining a given number of houses by a given date, at a reasonable price, and capable of being erected in a reasonable time. The temporary housing programme is an example to be studied. It began slowly, and had its frequent teething troubles; by the end of 1946, the whole mechanism of production, distribution and completion worked smoothly.

The same can be done for the non-traditional, and even for the traditional housing programme. There are some old-fashioned critics, inside the industries particularly, who distrust such wholesale planning as this implies. But this Government should be the last to respect such susceptibilities.

THE ECONOMIC DILEMMA

The best reason for planning is not that we like it, but that we are sunk without it. That is literally true in the special economic crisis of the next few years. A return to a "free market" in the building and building materials' industries would not mean more of anything; it would only enthrone very selfish interests above the social needs of the community, which needs are recognized by all political parties.

With the large savings of the country available for spending on house repairs and decorations, labour and materials would easily be absorbed for years to come on work that was less essential than new housing.

But if planning is necessary, it must not be half-way house planning. A recognizable plan, broken down by regions and zones and authorities, and geared to the fundamental principle of seeing mass production and low costs, still needs to be announced. Anything less than this will run into a succession of bottlenecks both for supplies and for prices. Building materials' prices, instead of "flattening out," will rise more steeply than ever, unless nationalization in the industries is planned, and alternative methods are used on a large scale.

In the same way, the building labour cost problem can only be solved on a long-term basis. Earnings in the industry can be increased only if productivity increases. There is no fundamental reason why productivity should not increase in 1948. But the time taken on each operation will have to be reduced scientifically, the methods of management and the flow of materials improved, for the rise to be sustained.

The first step towards higher wages in the industry is thus the acceptance by labour of the stop-watch investigator. The first step for the dutiful politician should be to devise a method of safeguard, so that scientific methods can be applied fairly, and to see that opinion among the rank and file is fully informed.



Left, the entrance on the south elevation. Below, one of the two main staircases with its glass brick window; walls and iron balusters are painted in bright colours.



PRODUCTION BUILDING

FOR ALLEN AND HANBURY LTD.
BY HALFHIDE AND PARTNERS

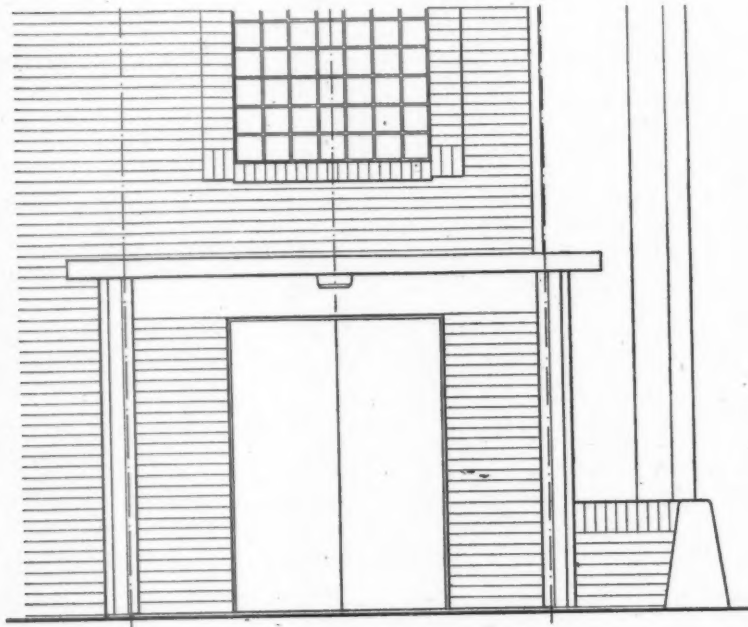
This building at Allen and Hanbury's Ware (Herts.) factory was originally designed for the production of penicillin. Owing to change in official plans, however, penicillin will not now be made here and the building will be used

for the manufacture of penicillin products.

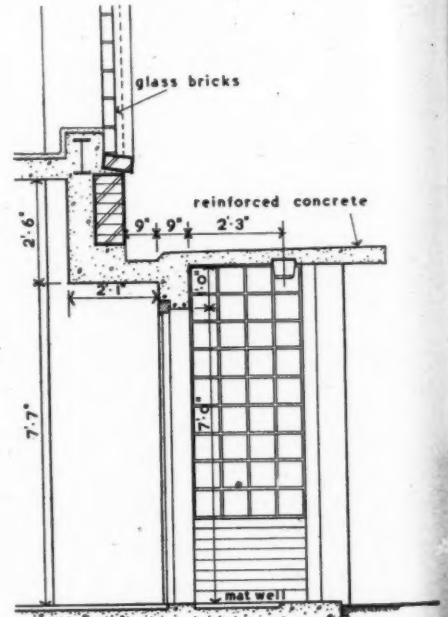
The plan is not shown here as it is of little general interest. Suffice it to say that the production rooms take up the bulk of the plan's rectangle on the north and west,

while to south and east are the various offices, laboratories, libraries and other rooms required, separated from the factory area by wide corridors.

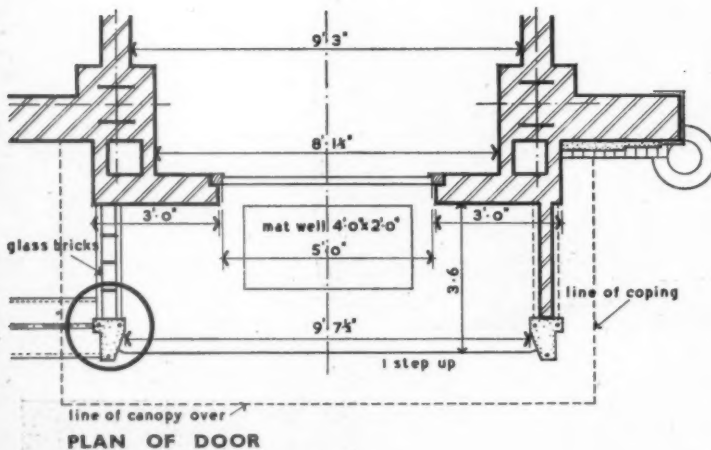
On account of the increase of staff in the factory, it was found



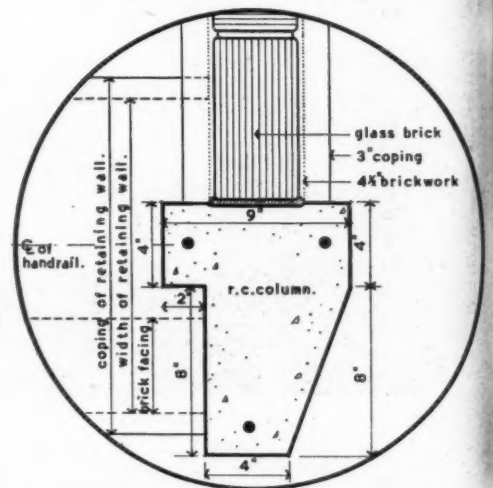
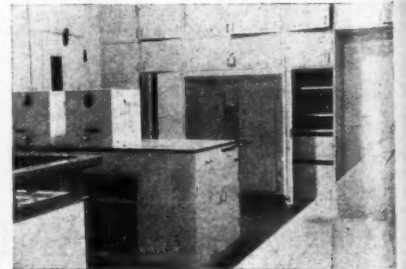
ELEVATION OF ENTRANCE DOOR



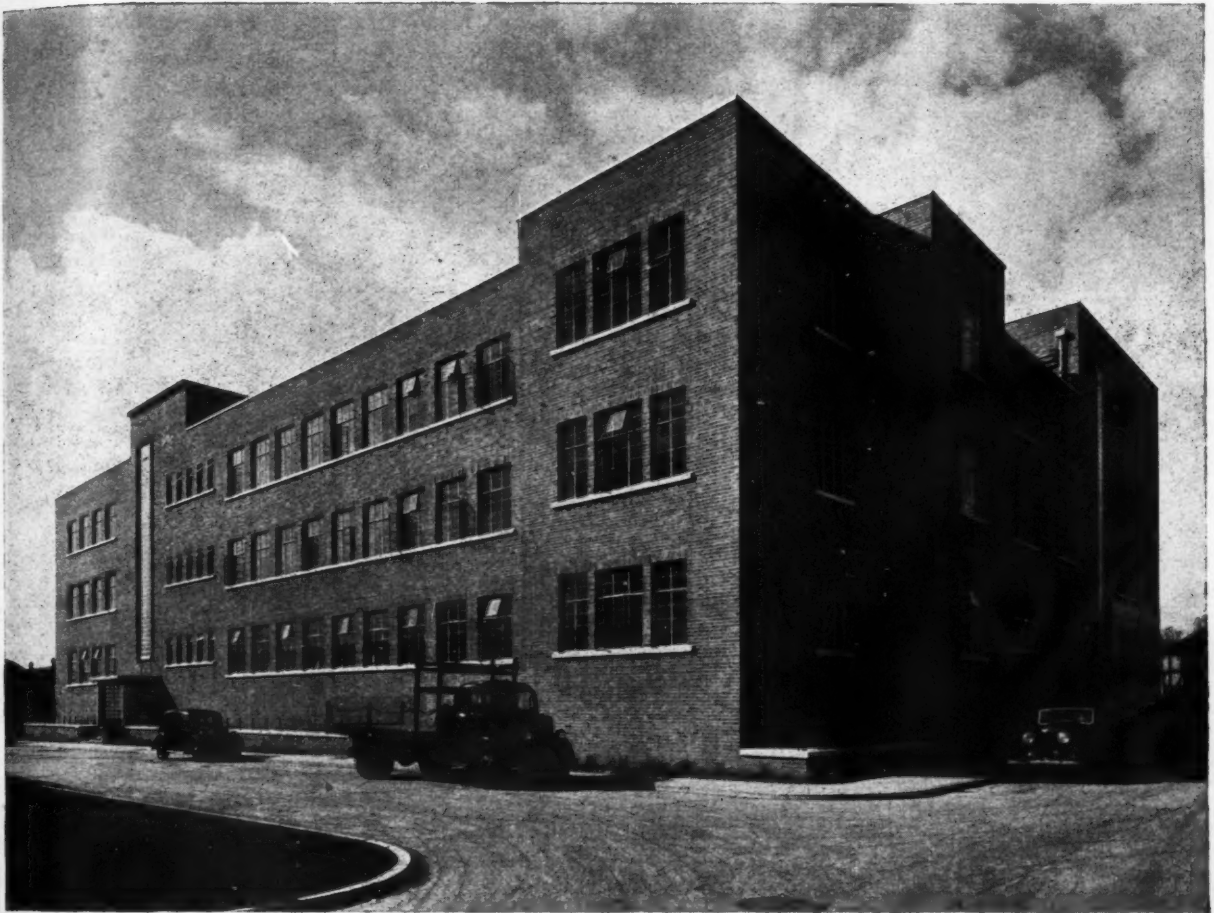
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[Scale: $\frac{1}{4}$ " = 1'0"]

PLAN OF DOOR

DETAIL OF PORCH POST [Scale: $\frac{1}{4}$ " = 1'0"]

Left, the canteen kitchen looking towards the counter. Centre, the counter seen from the canteen. Right, another view of the kitchen.



Above, a general view of the building which has red brick walls and reinforced concrete and steel frame structure; the loading bay can be seen on the extreme right. Left, the canteen on the top floor. Below, the west elevation and boiler house.



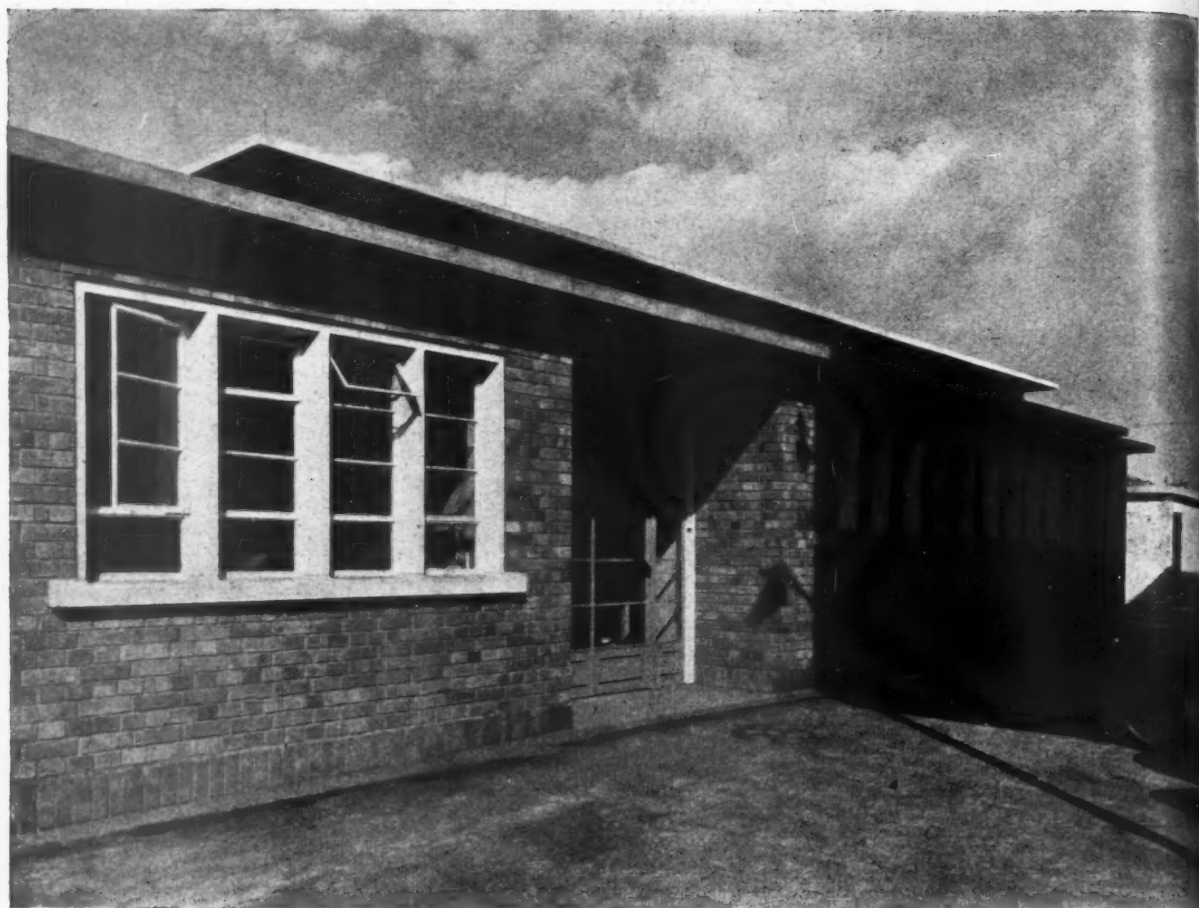
necessary to provide further canteen accommodation. A section of the Production Building was given up to this, and a Kitchen and Dining Room were provided in the design to cater for fifty of the senior staff. Advantage was taken of modern materials, and the kitchen fittings were designed with a plastic exterior to give cleanliness and utility. Every inch of available space has been used to combine

maximum efficiency with a minimum of maintenance. As pleasant a finish as possible was aimed at by the architects within the restrictions imposed by war-time materials and conditions.

The chief architectural assistant on this job was H. Weinreich and on the laboratory illustrated on pages 456 and 457 Philip S. Stott. The structural engineering consultants were Messrs. Bylander and Waddell.

PRODUCTION BUILDING, FOR ALLEN AND HANBURY'S





The entrance elevation on the south. Walls are of brickwork with red facing bricks and roofs of reinforced concrete.

PHARMACOLOGICAL LABORATORY

FOR ALLEN AND HANBURY LTD.
DESIGNED BY HALFHIDE AND PARTNERS

The laboratories at Ware were designed for the pharmacological testing of the products of the company by measuring and testing their effects on animals or other living organisms. The design of the building was largely determined by the shape of the available site, which is long and narrow. The main principles governing the design were the siting of the laboratories and working rooms on the north and west sides of the building, separated by a central corridor from the Animal Rooms,

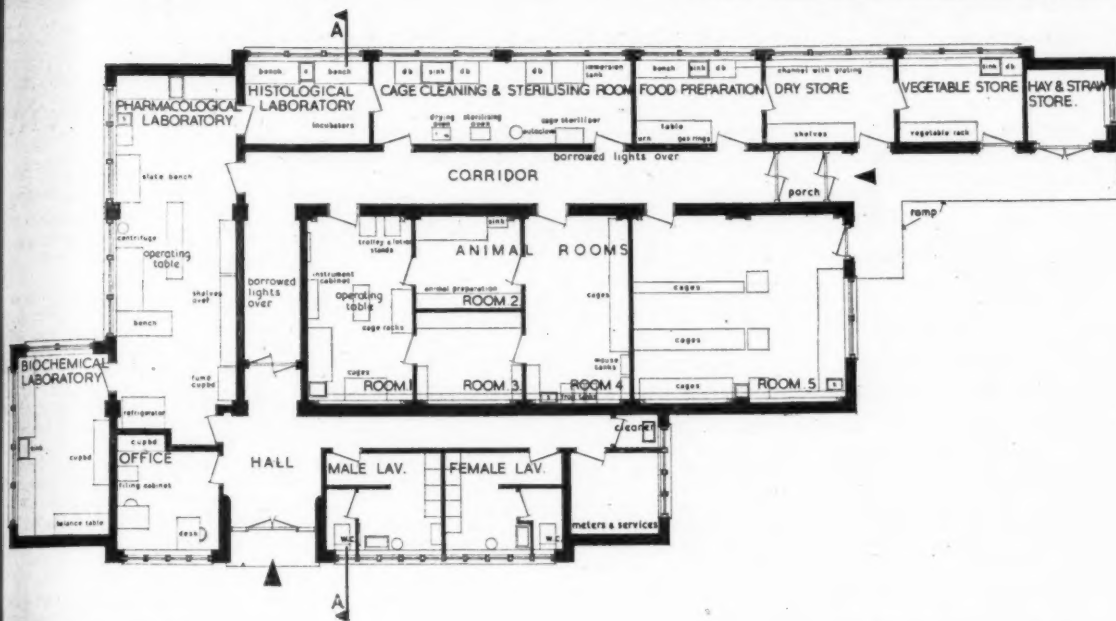
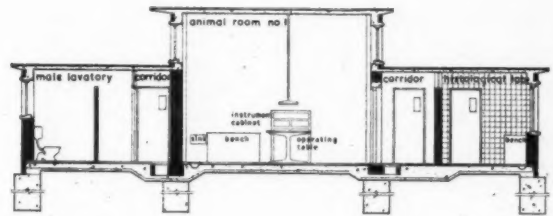
which do not require direct daylight, on the south side. In the former area are situated the main Pharmacological Laboratory, the Biochemical Laboratory and the Histological Laboratory. These laboratories are provided with the usual laboratory services, viz., hot and cold water, gas and electricity. The service rooms include an area for cleaning and sterilizing cages by means of steam, a food preparation room, a dry store, a vegetable store, and a hay and straw store. The area on the

south side of the corridor is divided into a small operations room, an area for the preparation of animals for operation, an area for animals recovering from operation, a room for rat and mice colonies, and a large general room for experimental animals. There is also an external concreted area where a number of hutches are kept, housing rabbits, guinea pigs, etc. The Animal Rooms are designed so that they can be easily washed down with a hose, the floors sloping gently to gullies on one

BIOCHEMICAL
LABORATORY

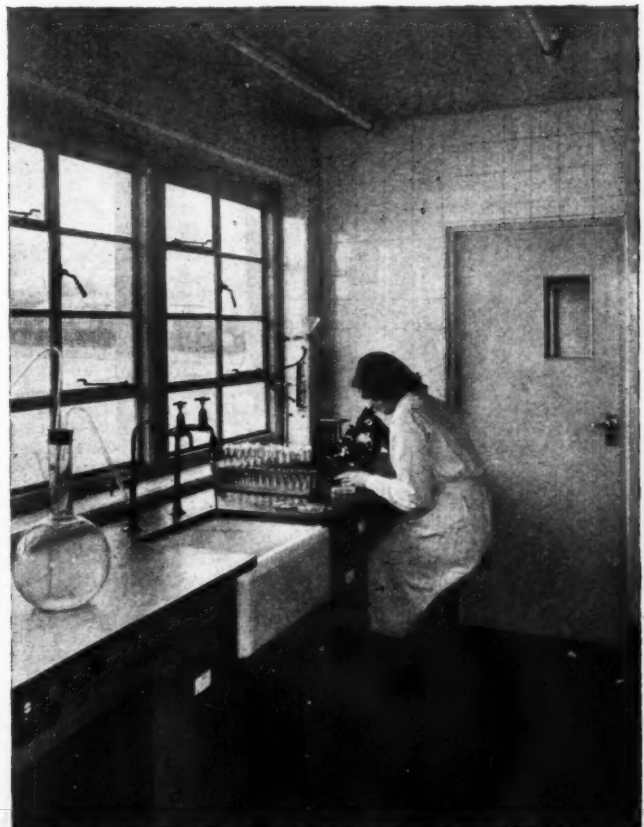
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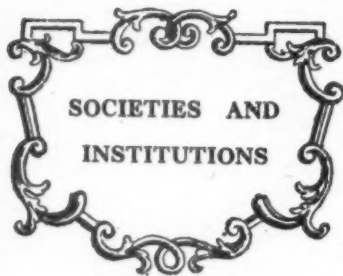
SECTION AA

Below, the Histological Laboratory:



side of the rooms. These rooms can be maintained at a constant temperature while being thoroughly ventilated. The cages are of galvanised iron, resting on galvanised iron racks of simple design so as to facilitate cleaning.

In addition to the control of the company's pharmaceutical products by studying and measuring their effect on animals, nutritional tests are also carried out, such as the determination of vitamin-D in cod liver oil, and the microbiological determination of other vitamins in the food products manufactured by the firm. Research work on new drugs and methods of treatment forms an important part of the work in these laboratories. A special feature of this building is the extra overhang of the roof on the south side to prevent the sunlight entering the Animal Room.



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

NAC

Functional Amenities

A report outlining the policy of the proposed National Amenities Council issued by the Hon. Secretary *pro tem.*, Mr. Joseph Swarbrick.

The principal object of the National Amenities Council should be to advocate the provision of practical amenities that will make life healthier for both body and mind, as well as to advocate the provision of purely aesthetic amenities. Life must be made a better thing for all than it has been in the past. The importance of practical amenities has not been fully appreciated, and the Council can do much to make their necessity more fully realised. Moreover, there has not always been a desire to understand very much about them by those who have developed land, for various purposes, with the sole object of obtaining the best possible financial results. The importance of daylight, sunlight, fresh air, good ventilation, warmth, facilities for mental or physical recreation and the avoidance of humidity, undue aridity and distracting noise have never been so well understood as they are to-day, but even now we are only on the outer fringe of research. Even radiologists have only elementary knowledge of the potentialities of certain wavelengths of light or electro-magnetic waves, including invisible wavelengths. They have written many books on the subject, but are only beginning to understand their therapeutic or other properties. If they had known more, some of their number would not have lost their lives or limbs, by undue exposure to X-rays. Comparatively little is known about supersonic sound or, in other words, sound waves that we cannot hear. If architects generally had known what some know now about the therapeutic effects of sunlight, fewer dwelling-rooms, bedrooms, nurseries, school classrooms, workshops and factories would have been built with sunless aspects, solely

for the sake of producing some preconceived architectural effect, that was thought to be pleasing to the eye, by producing a more balanced grouping or in some other way. Such æsthetic trivialities are deplorable, when we realise how much is at stake.

IMPORTANCE OF SUNLIGHT

Probably there would be fewer people working continuously without daylight, by means of artificial illumination, if those responsible had realised that to live above ground in rooms like coal-mines is an ordeal producing serious consequences that human beings should not be compelled to suffer if there is any conceivable way of avoiding them. There is reason to believe that, if, in earlier years, people could have been brought up under healthier living conditions, with plenty of fresh air, sunlight, proper food and suitable exercise, much of the rheumatoid arthritis and asthma that exists to-day might have been avoided. It has been definitely proved that rickets and surgical tuberculosis can be cured by exposure to direct sunlight. Someday it may be found that even cancer, blindness, deafness and other forms of disease have been, in many cases, engendered by hardships that might have been avoided, if practical amenities had been provided in dwellings, schools and workrooms. Research into matters of this kind should be encouraged and the public generally should be taught what the neglect to provide practical amenities entails. What the public wants, it almost invariably gets in the end.

The provision of functional amenity does not necessarily involve any loss of æsthetic beauty, but, even if it did, it would be a small price to pay. There need be no clash between the demands of Reason and Art: they are two aspirants which can always run in tandem, but Reason must always lead, if needless human suffering is not to be the penalty.

REILLY GREEN PRINCIPLE

It has, however, to be remembered that physical amenities are not the only factors that control health; human relationships and family life are major factors in the environment. The right human relationships in the home, in business or industry and in communal or national affairs not only increase efficiency, they also remove the causes of friction, misunderstanding, jealousy, worry and mental distraction generally. Neighbourly co-operation can do much to make life happier and the Reilly village greens should help in producing friendly relationships. The spirit of a happy home is carried into business and industry whilst a congenial atmosphere in business reacts on the home. On the other hand a spirit of discontent and unhappiness in the home and in private life has a correspondingly bad effect in business.

The National Amenities Council would be missing a remarkable opportunity for service, if it concentrated its attention solely on safeguarding the future. As one of its objects should be to advocate also the provision of purely æsthetic amenities, it should do what it can to arouse public interest in our precious national heritage of beautiful scenery, buildings and the art treasures of the past and to stimulate appreciation of them. The buildings of the past lacked many essential physical amenities, yet, they are nevertheless, in most cases things of beauty. Although we may be fully conscious of their limitations, one of our objects must be to encourage the study of Art in all its forms, in the past, as well as in the present. To encourage the study of Reason in building and to ignore the claims of Art would obviously be a mistake.

To assist the members of the Council, by advising them regarding all aspects of the problems that will arise, a number of honorary Consultative Committees of specialists would have to be formed.

HC

Brenda Colvin

May 13. A talk at 13, Suffolk Street, Haymarket, sponsored by the Housing Centre on TREES AND LANDSCAPE ARCHITECTURE IN RELATION TO HOUSING. By Brenda Colvin.

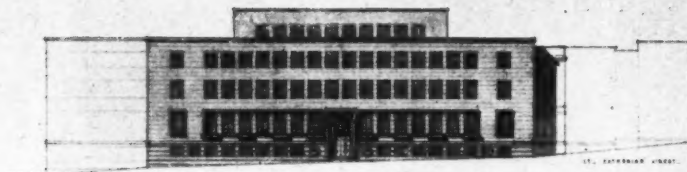
Brenda Colvin : The need for trees is now generally recognized, but there is still a great deal of room for improvement in the use of trees—what trees should be planted and where. Trees are important in connection with housing schemes, first for reasons of health and well-being, because they help to purify the atmosphere, and then also because they form a fine landscape setting for human life. Trees must never be regarded just as a remedy for something ugly, and finer landscape values will be obtained if more attention is given to some other aspects of the matter.

In considering trees as promoters of health and well-being, one of the biggest factors to be taken into account is their use for wind shelter. This contributes to human health, resistance to disease, and efficiency. The better the ground is sheltered, the more time likely to be spent in the open air. More windows may be opened to sun and air, and less fuel is used. Trees are also important as offering protection from dust, smoke and noise. Very often a belt of trees which serve as a wind shelter also give protection against these, and act as a filter to them. It is always desirable to have a belt of foliage between houses and industrial areas, or railways. The strip of land between a housing estate and a railway could well be planted with a screen of trees.

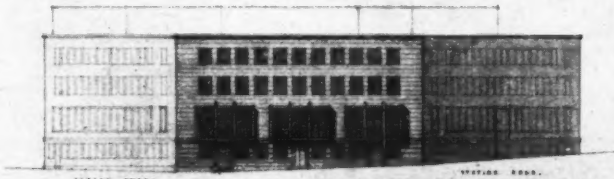
Coming to design factors, the most important function of trees in connection with housing estates is to supply large vertical masses to counteract an extent of rather low building. A housing estate covers a large area of unbroken building, and there is bound to be monotony in the lay out, however good the architecture, unless it can be broken up. Trees can help to introduce something quite new into the lay out. Because they are larger than houses, they can create a completely new sky line.

One of the worst difficulties to-day is that so much of the land used for building is high land on the ridge above a valley. The present period seems to be characterized by sky line building. Actually the high ridge of ground should be the site for the biggest trees, and houses could be built just below, so that the trees form a sky line for them. These sky line estates are very wind swept, and for this reason it is particularly desirable that they should be protected by trees. The traditional reasons for building lower are, of course, the availability of a water supply, and also for shelter. Now, because space is limited, and higher land poor for agricultural use, the ridges have to be built on. Obviously it is desirable from every point of view that space should be allotted on ridges for trees, and that they should be planted in good, bold belts. Single trees are no good—they must be in broad wedges.

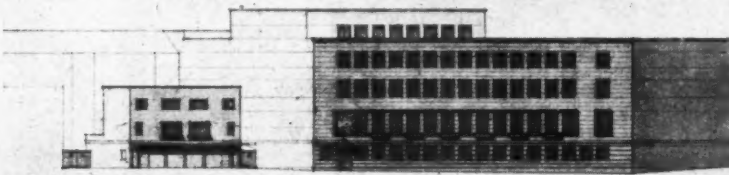
Existing trees have recently been used to determine housing lay outs. They might serve as part of the design and determine junction points in building. Trees of an old hedge row, or part of a wood, might often be very useful in this way, and wherever allowance is made for existing trees, it will be found that they break up the mechanical pattern. Unfortunately, it is still rare to find this sort of thing planned for at the outset. Most of the new planting is on the avenue pattern, and fits into the architectural lay out, so that it emphasises rather than breaks up its monotony.



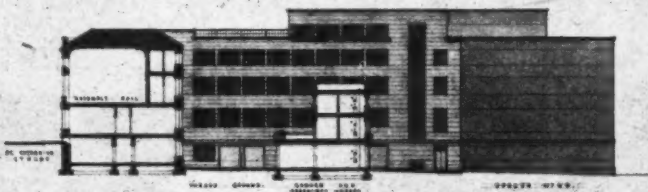
ELEVATION TO STATION ROAD



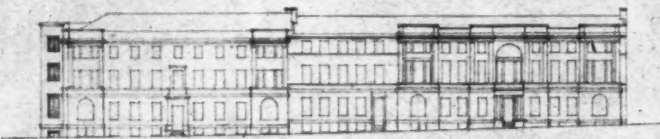
ELEVATION TO EDENSIDE



ELEVATION TO BOBBY WYND



WEST ELEVATION



NORTH ELEVATION

1st AWARD: John Needham. Elevations.

EXTRACTS FROM ASSESSOR'S REPORT.—Having carefully examined the twenty-nine sets of drawings and reports received, I make the following award:—

- 1st Premium, £500—No. 17 (John Needham, Dundee).
- 2nd Premium, £300—No. 24 (Ian B. Kinnear, St. Andrews)
- 3rd Premium, £200—No. 10 (James Miller, Son and Manson, Glasgow)

I have no hesitation in placing No. 17 first. The report accompanying the design gives a clear appreciation of the problem, and the plans illustrate a remarkably successful solution to it. No attempt has been made to reproduce the old work in detail, but the additions, as designed, harmonize in mass and height with the existing, and have the same vertical fenestration. All the accommodation asked for has been provided, and I am of opinion that on the basis laid down in the conditions, the building could be erected for the estimated cost of £232,221.—A. G. R. Mackenzie (of A. Marshall Mackenzie and Son, Aberdeen).

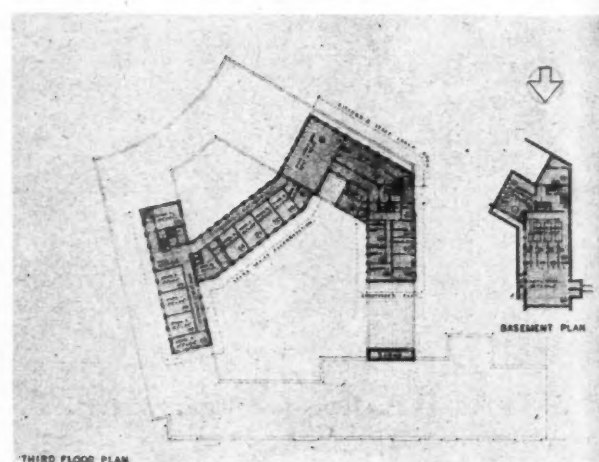
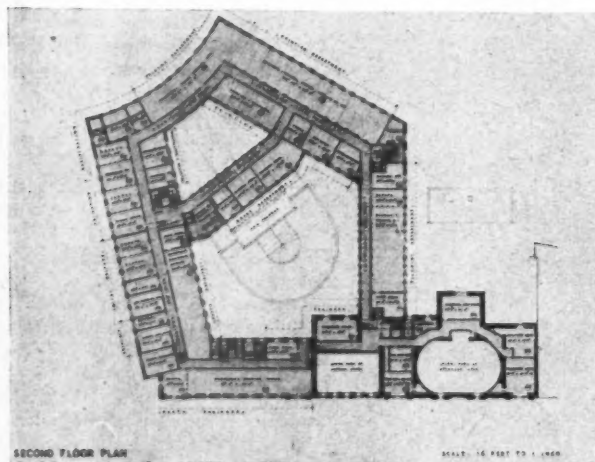
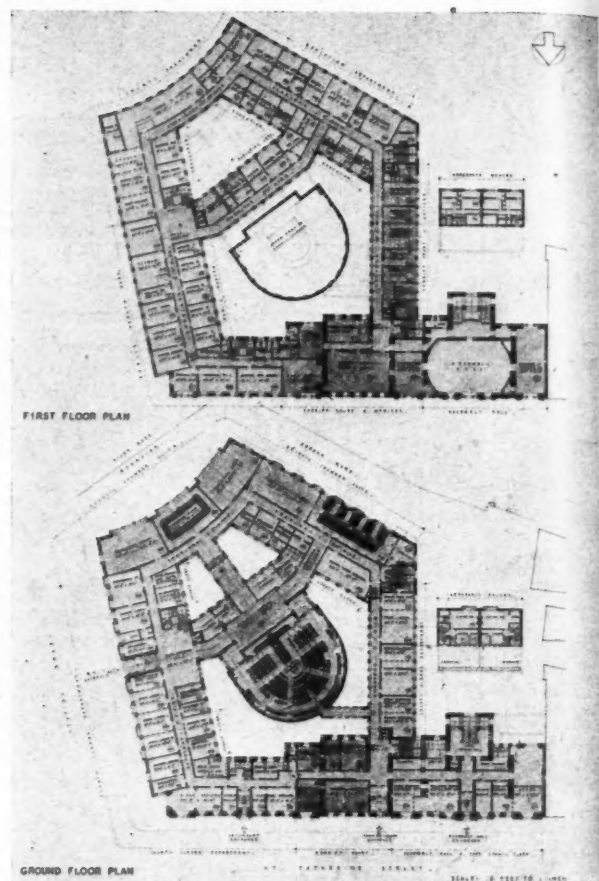
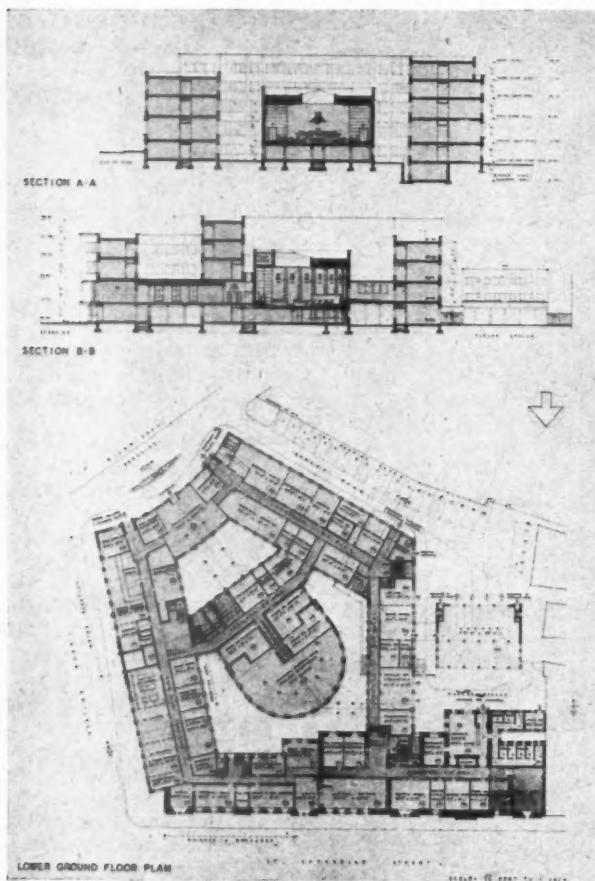
EXTRACTS FROM WINNER'S REPORT.—In analysing the general planning problem and preparing a solution, a few important considerations have strongly influenced the design. These are:—

(1) St. Catherine Street is a very busy main thoroughfare, with resultant congestion and noise. For these reasons it was considered essential to take the main entrance to the additions away from this street and also units requiring conditions of quiet, such as Council Chamber and Committee Rooms.

(2) Advantage should be taken of the amenities afforded by the Park and the River Eden, the latter offering opportunities which careful Town Planning could greatly develop in the future, to plan important rooms so that this amenity is enjoyed to the full.

(3) A complete and continuous circulation is desirable on all floors, which has led to the adoption of a quadrangular plan. The structure is a steel framework with hollow tile floors and fire-resisting construction throughout. The external facings are to be in

WINNING DESIGNS IN COMPETITION
FOR COUNTY BUILDINGS, CUPAR-FIFE,
EXTENSION

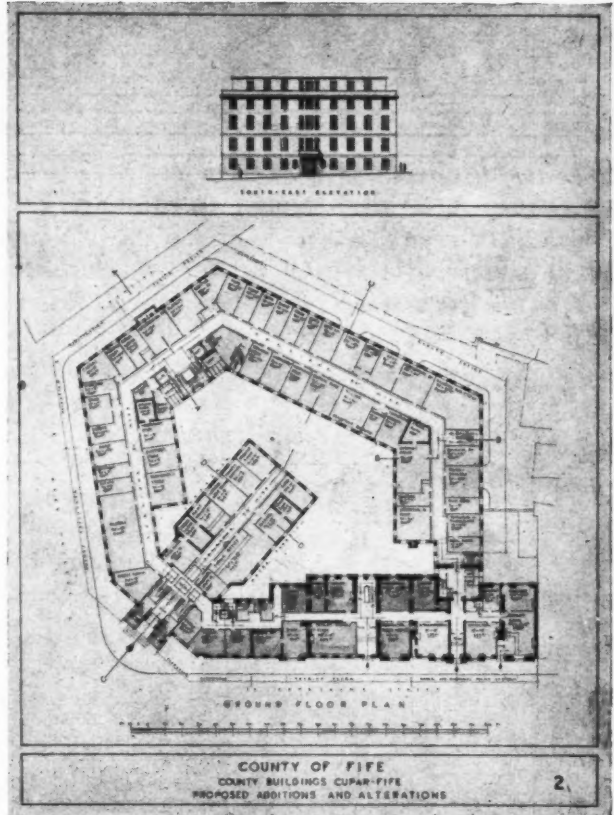
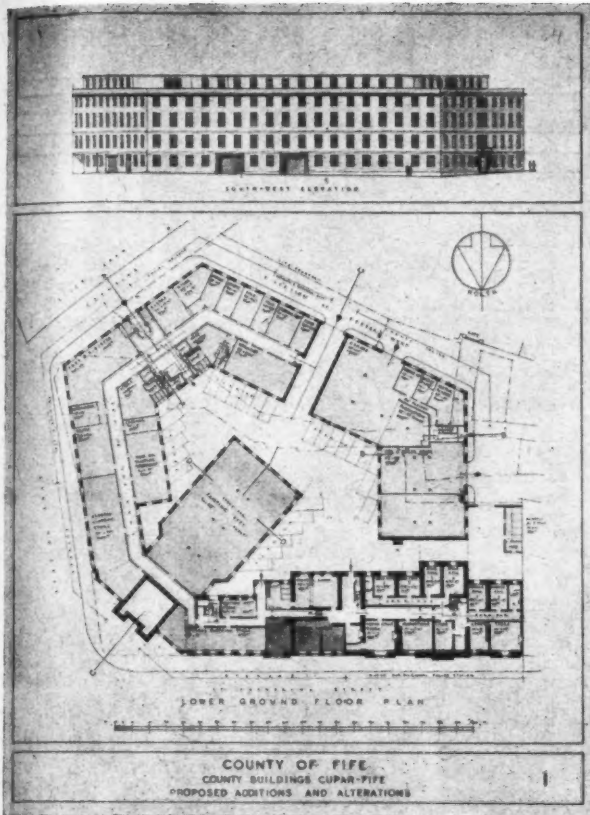


1st AWARD: John Needham. Plans and sections.

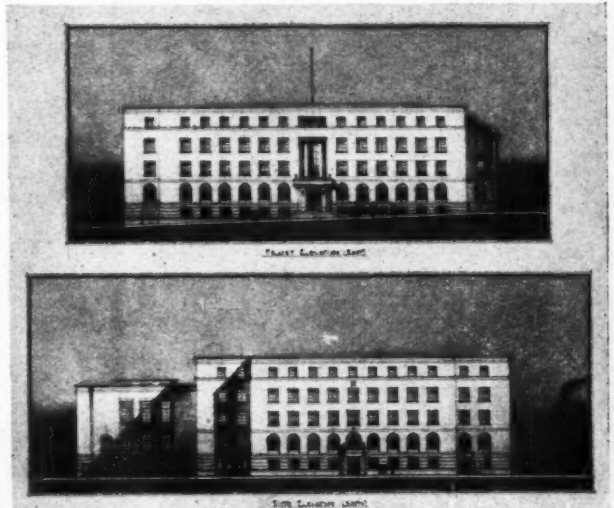
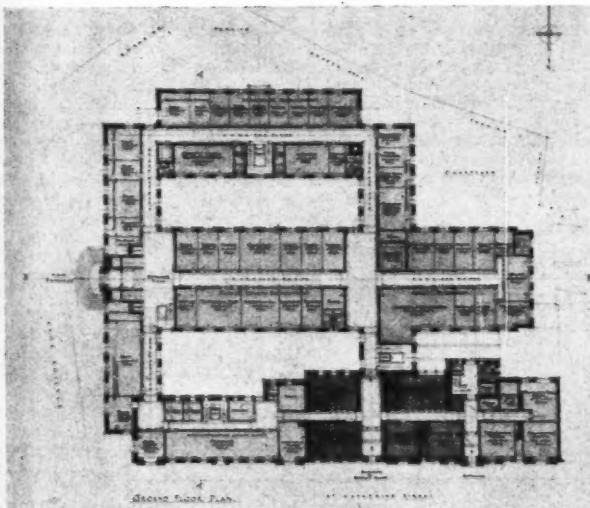
selected stones to accord with the general character of the existing building. The stone would be used primarily as a veneer and expressed as such. -Up to string course level, joints would be deeply channelled to harmonize with the rusticated ground floor on the present structure; above that the slabs would be ashlar.

Partitions between rooms where not required to be glazed, would be of hollow tile construction with high fire-resisting and insulating properties. Ducts are provided above all corridors for the efficient location of all services and for easy inspection of them. Where a central corridor is used, the upper parts

of the corridor walls will be glazed to give adequate natural lighting. Vertical ducts for sanitation are also included. External walls to the courtyards would be faced with a light grey brick in the place of stone facing. Internal wall finishes would be hard plaster generally, with tile or terrazzo to lavatories.



2nd AWARD: Ian B. Kinnear.



3rd AWARD: James Miller, Son and Manson.

FOR COUNTY BUILDINGS, CUPAR-FIFE

TECHNICAL SECTION

The function of this feature is to supply a digest of, and commentary on, current information of interest to architects as recorded in technical publications and statements of every kind throughout the world. Items are prepared by specialists of the highest authority who are not on the permanent staff of the Journal, and views expressed are disinterested and objective. Items are printed on one side of the paper only to permit of cutting out and pasting up in classified order in readers' files. The Editors welcome information on all developments from any source.

INFORMATION CENTRE

To enable items to be filed all information is classified under the following headings:

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

2.11 planning: general

TVA PLANNING ORGANISATION

The Programme of the Tennessee State Planning Commission. (The Tennessee Planner, [USA], December, 1946, pp. 67-100.)

Special number on organisation and functions of Tennessee Valley Authority State Planning Commission. Purpose of articles on various divisions of commission: to show activities during first ten years of commission's existence until 1944, together with accomplishments during 1945 and 1946, present activities and future programme of each division. Articles on State Planning Commission; on research programme; on local planning assistance programme; on state planning programme; on industrial development programme, and on community services programme. Diagram showing organisation of Tennessee State Planning Commission. Two maps depicting Tennessee cities and local planning commissions. Simply written statement aiming to help Tennessee people to achieve better understanding of programme and possibilities of their State Planning Commission.

19.15 construction: details

BRIDGE RAILING

Standard Bridge Railing of Steel Tube. Engineering News-Record [USA], January 23, 1947, p. 154.)

Example of an interesting standard bridge railing of steel tube recently developed in California.

21.5 construction: miscellaneous

REPAIR OF CHURCH

Repair of a Bomb-damaged Church, South Dulwich. (The Builder, April 4, 1947, pp. 314-5.)

Unusual method of restoring walls and trusses.

St. Stephen's Church, South Dulwich, was severely damaged by a flying bomb in 1944. Some of the principal roof members were broken and the nave roof dropped pushing the clerestory walls out of upright and moving the aisle roofs outwards on top of the side walls. The spread of the clerestory walls was as much as 8 in. at a height of 20 ft. in the centre of the nave.

It was decided to return the walls and roof to their original position without dismantling and rebuilding.

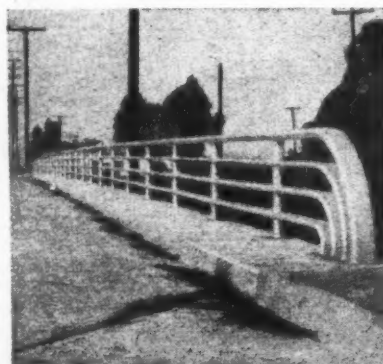
A pair of tie-rods was inserted to each of the trusses secured with sole-plates and tightening screws. Simultaneously, timber rakers were erected outside and pneumatic jacks inserted. A pressure of 20 tons was applied to the foot of the roof trusses to squeeze them together at the same time as a load of 50 tons was applied to the side of the clerestory walls by the jacks acting through the aisle roof trusses. As a result, the walls were moved into an upright position and the nave roof closed up. Repeated applications of pressure were necessary, the walls being moved less than one inch at a time.

By this method the restoration has cost but a fraction of what it would have done if the usual course of demolition and rebuilding had been followed.

23.22 heating and ventilation

HEATING OF DWELLINGS

Science and the House Builder. Heating



Tubular bridge railing. See 19.15.

and Ventilation of Dwellings. Felix Goldsmith. (The House Builder, March, 1947.)

Six-page general article based mainly on the Egerton Report with chief emphasis upon need for insulation. Diagrams and some cost analysis of insulation.

24.22 lighting

DAYLIGHT, SUNLIGHT: SCHOOLS

The Influence of Daylight and Sunlight on Functional Design of School Buildings. J. Swarbrick. (J. R.I.B.A., January 29, 1947, p. 183.)

Reflected light, sunlight, daylight in classrooms, diagrams and charts for computation.

This is a short paper in which the chief features are a re-affirmation of the fairly obvious fact that the amount of daylight required by the Ministry's Regulations is never likely to be excessive; and that quality of light (i.e., freedom from glare) is important.

Some diagrams for computing daylight and sunlight based on calculations by A. C. Stevenson are included.

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

2895 BUILDING LICENCES

Q A Local Authority has made the following stipulation regarding the issue of a building licence for the erection of War Damage "Rebuilds": "has it any legal power to enforce this condition?"

"The Building Licences Sub-Committee will now only consider the issue of a Building licence in respect of 'Rebuilds' after they are satisfied that the house will not be sold for a period of twelve months after completion, and that it will be occupied by the family or families originally dwelling in the house."

The Authority asks for the assurance that these conditions will be complied with before they will issue the licence.

Can they legally withhold such a licence?

A A private individual cannot compel a Local Authority to issue a Building Licence.

Any such condition as described in the question, attached to a licence for rebuilding on a cost of work basis, would be unenforceable by the Local Authority. Our information is that the Ministry of Health objects to such conditions, and would welcome particulars of any attempt by Local Authorities to impose such conditions.

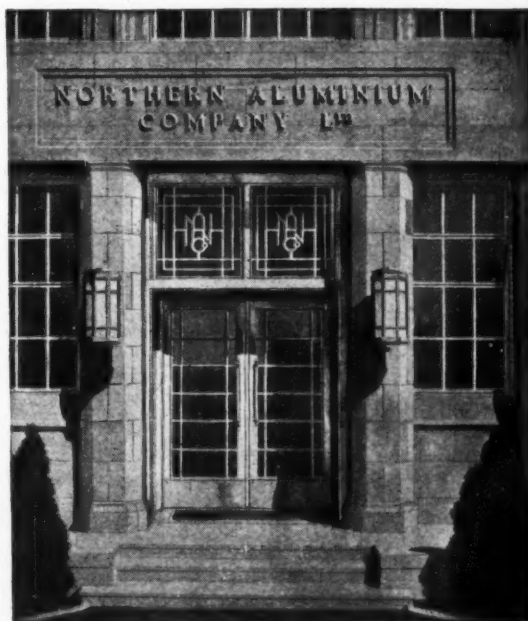
On the other hand, from the practical point of view it should be remembered that the Local Authority has power to requisition a rebuilt house even though it has not purported to attach any condition to the licence. Cases have come to our notice recently in which Local Authorities have granted licences for rebuilding unconditionally, and having waited for the house to be rebuilt, have served requisitioning notices.

Nine years
old...
condition
perfect



ALUMINIUM WINDOW FRAMES

Nine years ago these aluminium frames were made for our offices by Messrs. James Gibbons of Wolverhampton. Today, they are still in perfect condition. The door frames shown in the lower illustration are also of aluminium, and show no signs of deterioration. Maintenance costs have been negligible. In this case the bright and decorative appearance of the frames has been retained by anodising; but clear lacquer or paint may be used for this purpose if desired. Here is an excellent example of the way in which aluminium alloys withstand wear and weather. They are robust, weatherproof, and do not warp or swell. They combine strength with lightness and reduce handling and transport costs. Architects and builders are invited to write to our Technical Development Department for further information.



WE CAN GIVE YOU FACTS ABOUT ALUMINIUM

NORTHERN ALUMINIUM COMPANY LTD. Banbury, Oxon. Makers of NORAL Products

Silent Street Corner, Ipswich

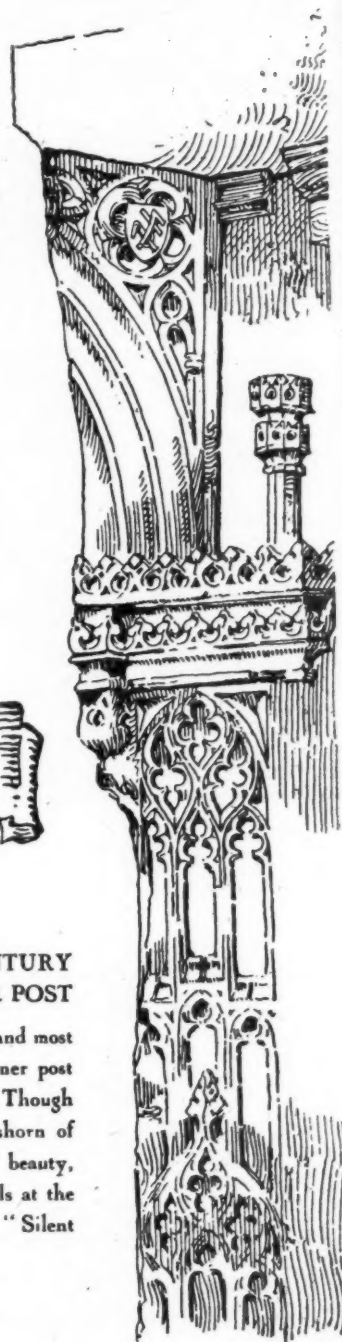


A Great Tradition

THE fine example of a Corner Post in Silent Street, Ipswich, is a fitting reminder that the same qualities of reliability and craftsmanship displayed in these medieval Corner Posts are incorporated today in BULL Super Silent Motors. These machines are unsurpassed for those situations where silence is imperative.

15th CENTURY CORNER POST

The finest and most ancient corner post in Ipswich. Though somewhat shorn of its original beauty, it still stands at the corner of "Silent Street."



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The following tables summarise the official statistics on housing progress, the production of building materials and the labour position.

HOUSING, MATERIALS AND LABOUR

[by Ian Bowen]

HOUSING

TABLE I PERMANENT HOUSES IN GREAT BRITAIN: Cumulative Totals

	Begun			Finished		
	Local Authorities	Private Builders	Total	Local Authorities	Private Builders	Total
To Dec., 1945	20,409	—	—	1,657	1,031	2,688
1946: April	55,504	29,077	84,581	3,305	4,086	7,391
May	69,591	35,597	105,188	3,939	5,854	9,793
June	82,178	40,267	122,445	5,059	7,945	13,004
July	97,126	44,878	142,004	6,530	10,911	17,441
Aug.	112,491	48,841	161,332	8,335	13,670	22,005
Sept.	130,705	52,218	182,923	10,902	17,394	28,296
Oct.	150,882	55,800	206,682	14,570	21,177	35,747
Nov.	165,447	58,581	224,028	18,459	24,639	43,098
Dec.	178,379	61,293	239,672	23,923	28,175	52,098
1947: Jan.	190,340	63,319	253,659	28,440	31,609	60,049
Feb.	197,938	64,459	262,397	30,607	33,278	63,885
March	205,159	65,826	270,985	34,436	35,420	69,856
Increase of March over Feb.	7,221	1,367	8,588	3,829	2,142	5,971
Total at March 31, 1947				Under Construction	Finished	
Local Authorities	..	..	..	170,723	34,436	
Private Builders	..	..	..	30,406	35,420	
War-destroyed rebuilt	..	..	..	16,060	8,214	
Total	..	..	..	217,189	78,070	

TABLE II TEMPORARY HOUSES IN GREAT BRITAIN: Cumulative Totals

	Slabbing Begun	Slabbing Completed	Erection Begun	Erection Completed
To Dec., 1945	61,008	39,998	22,932	9,376
1946: April	89,743	67,897	47,374	26,199
May	99,142	76,646	54,871	30,637
June	103,322	84,594	61,472	35,139
July	108,374	92,100	69,057	40,425
Aug.	114,016	98,744	76,519	47,176
Sept.	117,422	103,700	83,725	57,040
Oct.	122,742	109,368	93,201	70,121
Nov.	128,258	112,837	98,650	80,135
Dec.	131,646	115,711	103,796	92,306
1947: Jan.	134,023	118,451	107,214	97,070
Feb.	136,238	118,734	109,033	99,461
March	137,992	119,759	111,002	101,717
Increase of March over Feb.	1,754	1,025	1,969	2,256

Temporary Houses Under Construction at March 31: 9,285.

TABLE III NON-TRADITIONAL PERMANENT HOUSES (ALREADY INCLUDED IN TABLE I) GREAT BRITAIN: Cumulative Totals

	Begun	Completed
To end Oct., 1946	23,887	1,972
Nov.	28,285	2,625
Dec.	31,947	3,521
Jan., 1947	34,457	4,183
Feb.	36,083	4,627
March	38,159	5,495

Non-traditional Houses Under Construction at March 31: 32,664

TABLE IV HOUSING ACCOMMODATION PROVIDED OTHERWISE THAN BY NEW BUILDING: Cumulative Total*

	Unoccupied War-Damaged Houses Repaired	Conversions and Adaptations	Emergency Huts	Accommodation for Government Employees
To end Oct. 1946	102,307	29,010	3,480*	183
Nov.	105,228	31,676	—	193
Dec.	107,898	35,814	—	193
Jan. 1947	110,149	38,693	—	193
Feb.	111,955	40,653	—	232
March	114,117	42,826	—	246
Increase of March over Feb.	2,162	2,173	Nil	14

* Programme completed at end of August, 1946.

BUILDING MATERIALS

TABLE V BUILDING MATERIALS PRODUCTION AND STOCK†

	Unit	Jan.-March, 1946		Jan.-March, 1947	
		Production	Stocks‡	Production	Stocks‡
		(monthly average)		(monthly average)	
Cement	th. tons	409	257	369	253
Bricks	millions	153	712	300	375
Roofing materials					
Clay tiles	th. squares	24.7	50.2	51.3	40.5
Concrete tiles	"	8.5	30.4	34.3	55.8
Slates	"	19.7	48.7	—	—
Asbestos cement sheeting	th. tons	25.0	16.2	24.1	—
Roofing felt	th. rolls of 24 sq. yds.	179	163	181	104
Ceilings, Wall Linings and Floorings					
Plaster gypseous	th. tons	14.8	—	12.8	—
Plasterboard	th. sq. yds.	2,915	429	2,601	430
Tiles					
Glazed	th. sq. yds.	300	—	422	—
Floor (Clay)	"	76.9	—	130.4	—
Pipes (Water, Gas, etc.)					
Lead	th. tons	3.35	—	3.12	—
Copper	"	2.19	—	2.45	—
Soil Pipes (iron)	"	0.92	—	1.89	—
Drain Pipes, Salt Glazed	"	24.8	—	33.1	—
Rainwater Goods, Gutters and Fittings					
Cast Iron and Pressed Steel	th. of equiv. tons of cast iron	1.98	—	3.91	—
Asbestos Cement Goods	th. tons	1.26	—	0.83	—
Manhole Covers and Frames	th. of equiv. tons of cast iron	2.0	—	3.38	—
Metal Windows	Mn. ft. sup.	2.34	1.51	3.66	3.35
Sanitary Fittings					
Baths	thousands	16.3	—	24.5	—
Lavatory Basins	"	31.1	—	74.7	—
Sinks	"	27.0	—	50.9	—
W.C. Pans	"	41.7	—	84.4	—
Cookers	"	7.8	—	17.7	—
Solid Fuel	"	11.1	—	14.0	—
Electric	"	19.5	—	28.0	—
Gas	"	37.0	—	62.8	—
Fires, Solid Fuel	"	11.7	—	18.4	—
Wash Boilers	"	33.2	—	32.7	—
Electric	"	2.0	—	4.2	—
Gas	"	0.11	—	1.43	—
Furnace Pans (Solid Fuel)	"	2.0	—	4.2	—
Solid Fuel	thousands	0.11	—	1.43	—
Softwood Timber (Imports and Home Produced)	th. stds.	64.7	498.7	47.8*	144.1†

* Average for January and February, 1947.

† At end of February, 1947.

‡ At end of period.

LABOUR

TABLE VI BUILDING AND CIVIL ENGINEERING LABOUR IN GREAT BRITAIN: Operatives Employed, aged 16 and over

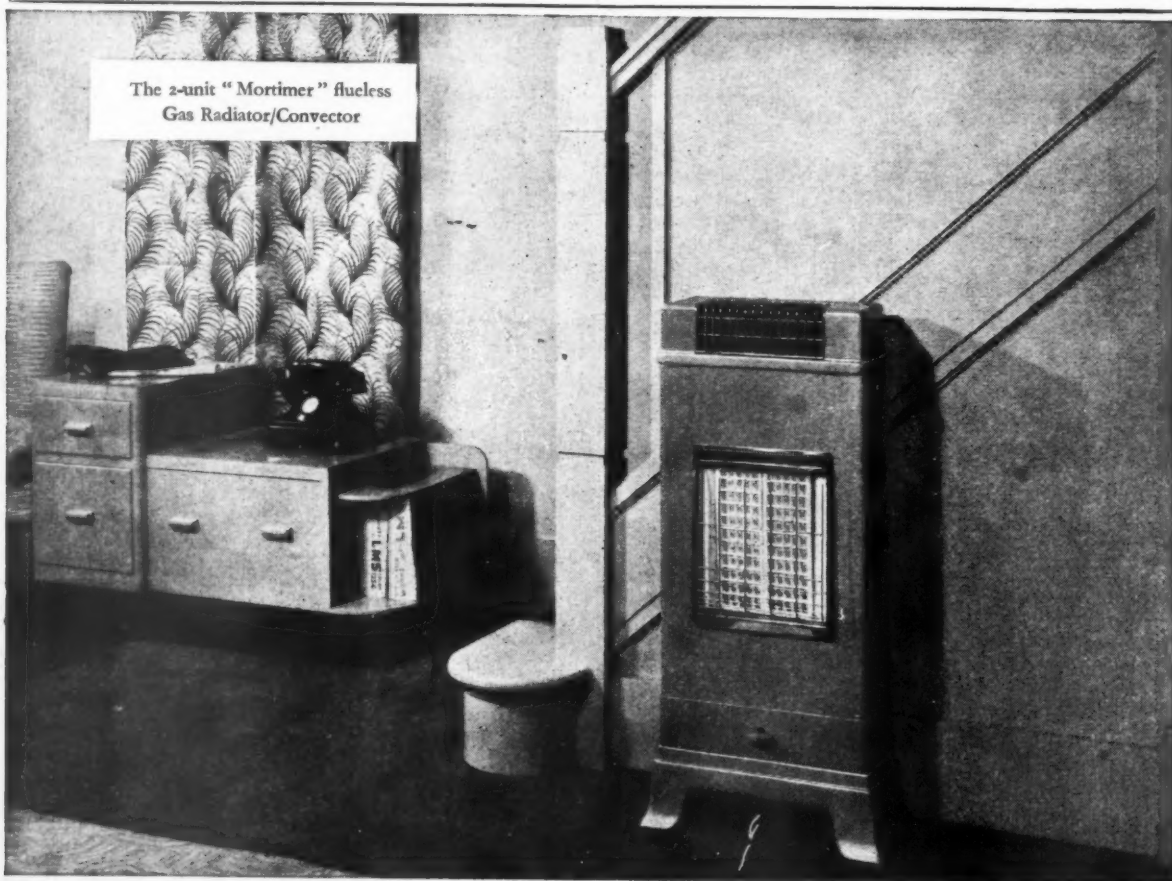
	July, 1945	January, 1946	January, 1947
Total	535.0	721.0	952.0
Housing	343.9	435.4	606.9
Permanent	4.2	34.5	209.0
Temporary	14.5	36.8	27.1
Other (sites, repairs, etc.)	325.2	364.1	370.8
Other Work	191.1	285.6	345.1

N.B.—Figures in Table VI are repeated for January, 1947, as no figures for February or March have been issued.



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THE INDUSTRY

[by Philip Scholberg]

BUILDERS' PLANT

Most architects and for that matter most other technicians concerned with the building industry seem to agree that new methods and equipment must be applied to traditional building if costs are to be kept to a reasonable level and if the vast arrears of housing needs is to be made up in less than two decades. All too often new devices are worked out on paper by well meaning enthusiasts without adequate practical

ted by a pin and locked with a quick release clamp, so that as each course is completed the brackets are slid one hole up each column.

From the bricklayer's point of view the job becomes very much simpler, as there is no necessity for the building up and plumbing of corners, the method being to add one course right round the building and then raise the brackets, while the lines take care of the levelling. Good bricklaying, therefore, becomes much easier to achieve and Mr. Warry says the dimensions of the finished house are found to be accurate to an eighth of an inch which means that internal fittings can be standardized with small tolerances and such things as floor joists, plasterboard or other forms of sheet lining can be pre-cut and not fitted on the site.

Many devices intended to help the bricklayer are unsuccessful because the Unions regard them with disfavour, but with Mr. Warry's device the Unions have apparently raised no difficulties and the bricklayers are carrying out good work at the rate of 130 odd bricks an hour at a time when the average figure for the whole country is probably rather less than half this figure.

Since the 'jig' is above the brickwork it is simple to give it a corrugated iron roof so that the work can be carried on in bad weather. The idea of providing a temporary roof to an uncompleted house is, of course, not new, but this is the first time so far as I know that a roof and a building jig have been combined. This method of building is still in the experimental stage, and Mr. Warry considers that the jig could be made rather lighter and that further modifications would allow it to be erected and dismantled more quickly. But the prototype has been in use since the autumn of last year and can be considered a success. The fixing of the corrugated sheet needs only a little attention as, although there have been a number of gales during the last six months the sheeting is only a little ragged at the edges, though none of these details affect the effectiveness of the jig as a whole.

PORTABLE HOIST

Mr. Warry has, actually in production, a small portable hoist the main feature of which is speed of erection. The total time taken to erect it is about a minute and a half. On a reasonably level site the hoist can be pushed about fairly easily by two men and only three are needed on quite rough sites. The load is 5 cwt. (about 100 bricks). For use in conjunction with this hoist Mr. Warry has worked out a



The Warry portable hoist in action.

carrier unit built up of welded angle which holds 48 2½-in. bricks and is used in conjunction with a special wheeling trolley to pick up the carrier and brick load. Bricks can be loaded direct into the carrier from the delivery lorry and then wheeled to the hoist with the trolley. At scaffold level the bricks are then wheeled round to the bricklayer and the trolley disengaged from the carrier, returning for another load. On test three men transported 2,000 bricks per hour from a stack of bricks 70 ft. from the building and placed them ready for use on the scaffolding at first floor level. A sheet steel mortar carrier holding about four hods of mortar is also made for use with the standard trolley. The trolley itself has pneumatic wheels and small auxiliary rollers, and is easy to wheel and turn on a scaffold only two boards wide.

That this system of hoists and brick carriers is successful in practice is shown by the fact that a number of well-known building firms have been using them for some months and have ordered further equipment as time goes on.

FOUNDATION TRENCHES

Mr. Warry has also produced what is in effect a miniature drag line excavator. He does this with a device rather like a wheel-



A corner post of the Warry steel framed jig.

experience, and the result is merely an added complication which shows no savings in time or costs.

I have just seen a number of new devices which have been worked out by Mr. R. F. Warry, of Richmond. He is a builder who is actually building houses with the aid of his own equipment, and is, therefore, in an admirable position to take his own medicine before he tries it out on anyone else.

From the architect's point of view the most interesting departure from standard building practice is a steel framed jig conforming to the outline of the house. The jig is built up of light welded trusses and is assembled on the ground; three-inch steel tubular posts are then erected at each corner of the house, clear of the building line, with a fifth and sixth post in the middle of each long side of the plan. Long screw jacks push the jig up each post and are operated by six men simultaneously, though they are connected together so that the jig is kept level as it rises. The posts are thus kept plumb and at a fixed distance from the wall face and can thus be used to carry brackets for the bricklayer's lines. The posts are drilled at three-inch centres (brick plus mortar joint) and the brackets are loca-



The Warry jig, with its corrugated iron roof, seen from below.

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barrow which has excavator bucket teeth on its front end and is pulled along the trench line by a wire from a small petrol-driven winch of the type often used for pulling tree stumps and other odd jobs. As soon as the barrow is filled the wire is disconnected and the soil wheeled away for dumping and levelling. While it is obvious that the winch will have to be moved to pull along a new line the moment one trench is completed, the total saving in time is considerable, trenches for a pair of semi-detached houses being completed and the soil carried away and levelled in one day by a gang of three men, one of whom, of course, is the winch driver. This device is also in the experimental stage and, although Mr. Warry has found it perfectly satisfactory on the fairly light soil on his Richmond site, he is not certain that it would be equally useful on a heavy clay soil.

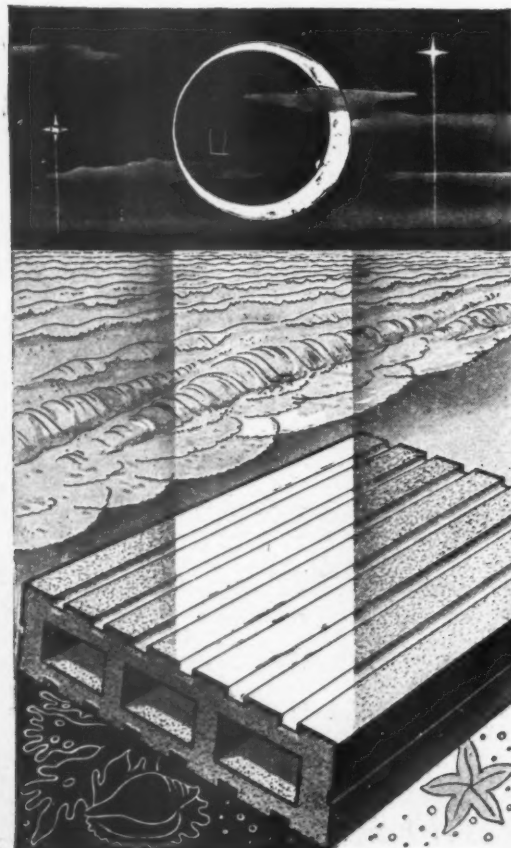
As I have already suggested, Mr. Warry is himself a builder and it is therefore all the more interesting to find that he has taken the trouble to investigate new methods of carrying out traditional construction and that the methods which he has evolved show every sign of being successful. So far only the hoist and brick carriers are in production, but if the jig and roof are equally successful, it should be used quite widely. It must, of course, be understood that the jig would only be justifiable if a number of houses with similar plans were being built, but if architects and the building industry could agree on dimensional standards, it should not be impossible to produce a jig built up of standard sections which could be adapted to almost any plan, though there will be obvious difficulties if there are any bay windows or breaks in the walls.—(R. F. Warry, *The Pavilion*, Sheen Park, Sheen Road, Richmond, Surrey.)

Buildings Illustrated

PRODUCTION BUILDING AND PHARMACOLOGICAL LABORATORY FOR ALLEN AND HANBURY'S (page 453-457). Architects: Halfhide and Partners. (Chief Assistants: P. S. Stott and H. Weinreich.) Engineering Consultants: Bylander and Waddell. General Contractor: Nott, Ltd. Sub-Contractors: Heating and Ventilating, H. W. Dutton; Reinforced Concrete, Bradfords, Ltd.; Electrical Work, Phoenix Electric Co.; Asphalte, General Asphalte Co.; Steelwork, Redpath Brown, Ltd.; Laboratory Fittings, North of England School Furnishing Co., and Baird and Tabblock, Ltd.; Light Fittings, Holophane, Ltd. and G.E.C.; Kitchen and Canteen Furniture with Warerite tops, Bernard Neakes and Co.

Correction

Messrs. Ernest Race Limited, Furniture Designers and Manufacturers, of Clapham, London, write: On page 413 of your issue for May 15 you publish two photographs of furnished rooms at the BIF and attribute the furnishing of these to Messrs. H. G. Dunn & Sons, Ltd., of Bromley, Kent. The furniture in the entrance hall designed by Neville Condor was, in fact, lent by us to the exhibition authorities and our name appears on the credit board at the side of this particular room. As the examples shown are from our standard range of designs they are obtainable from Dunns of Bromley as well as from our many other retail distributors.



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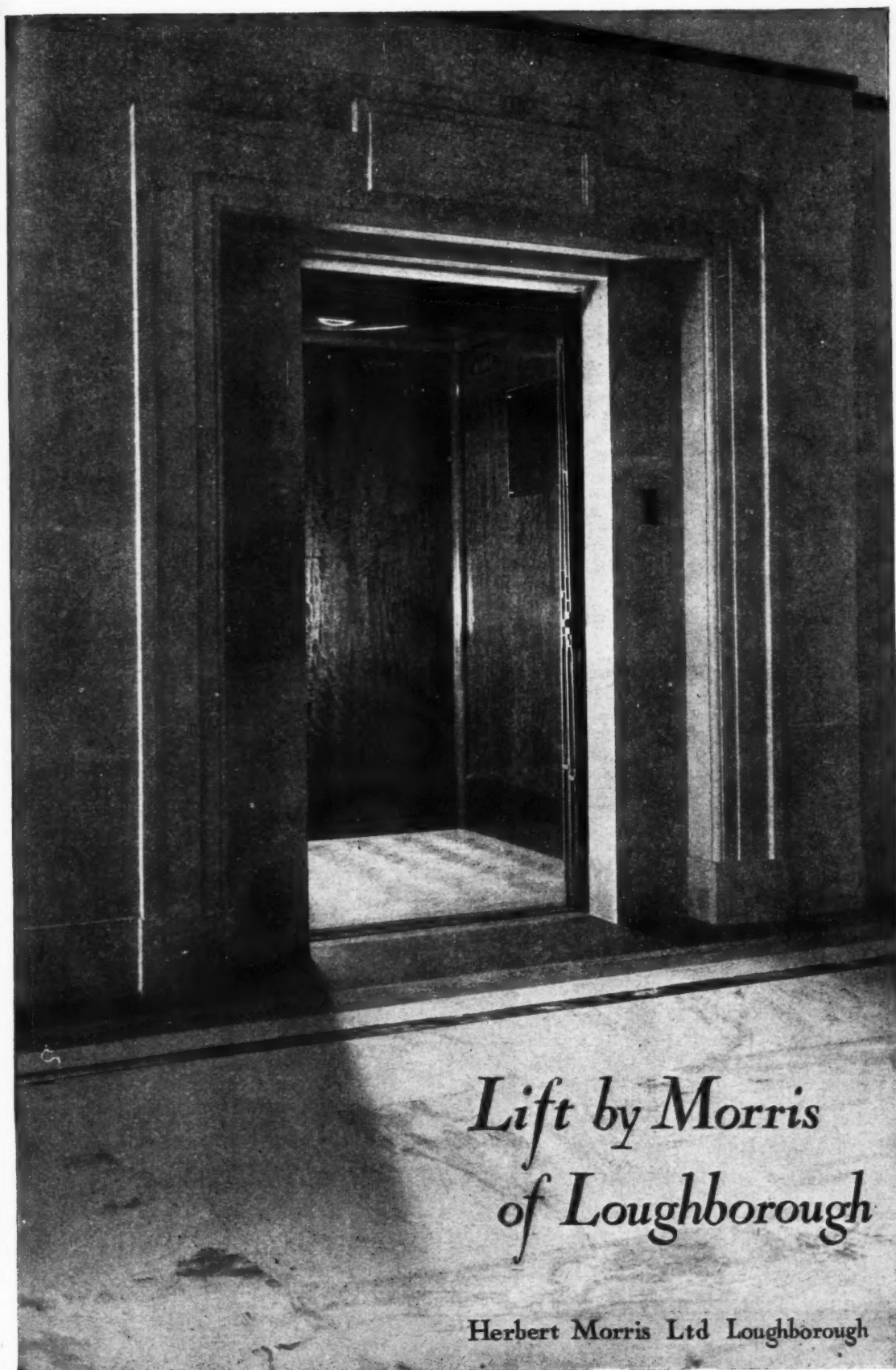
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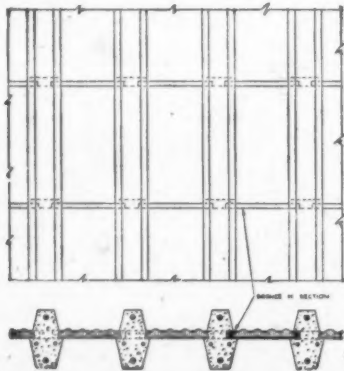
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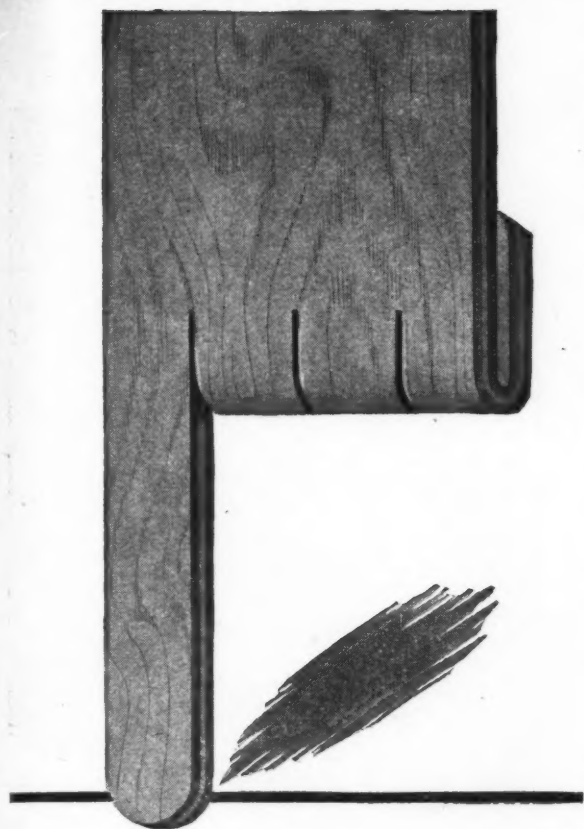
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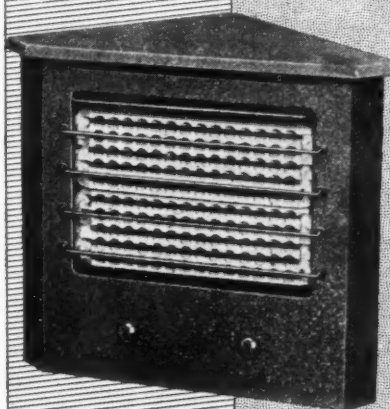
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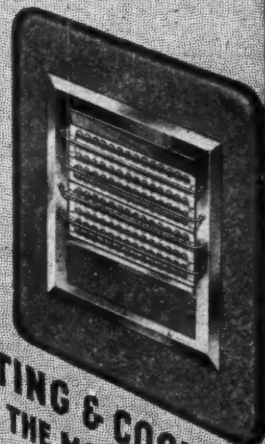
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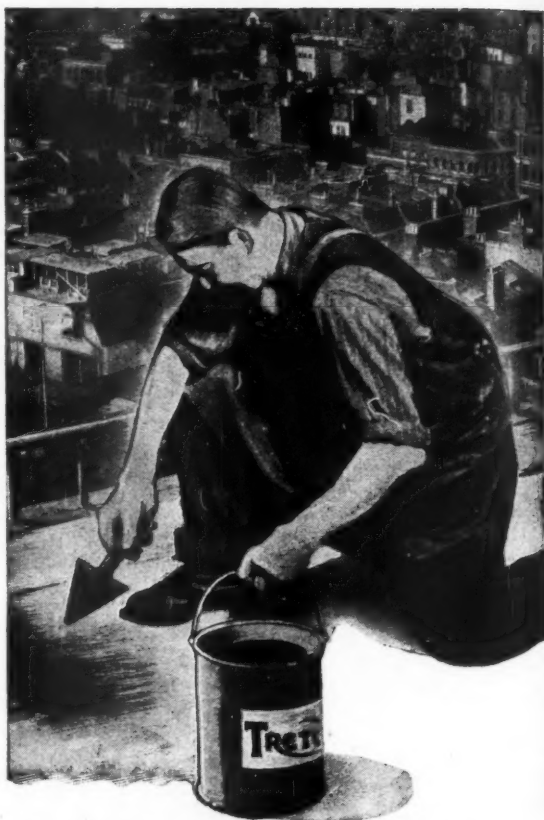
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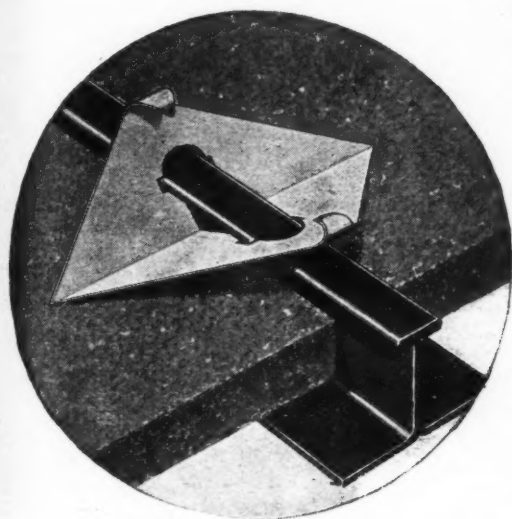
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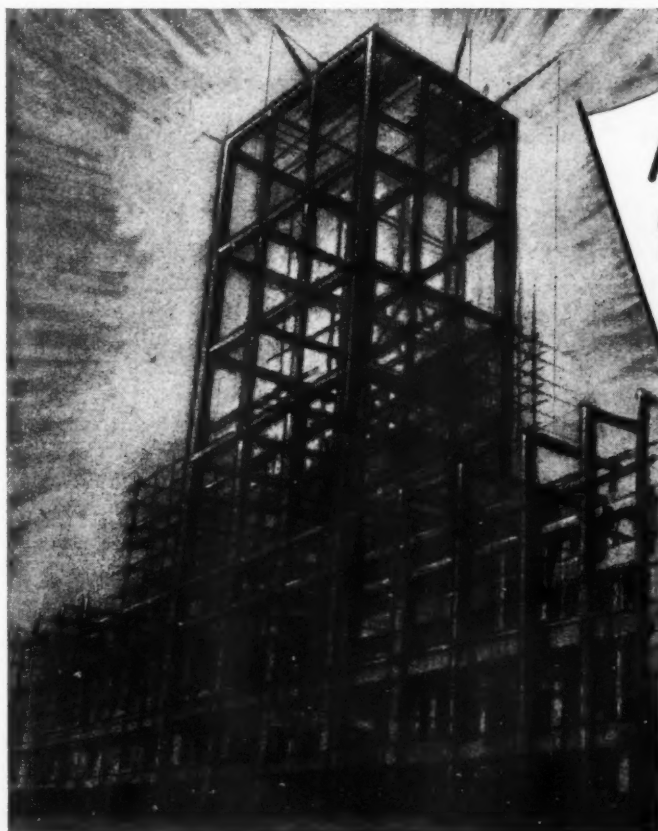
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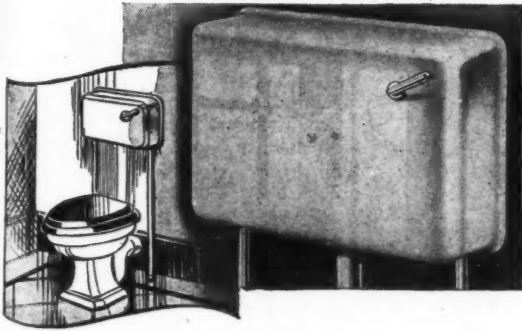


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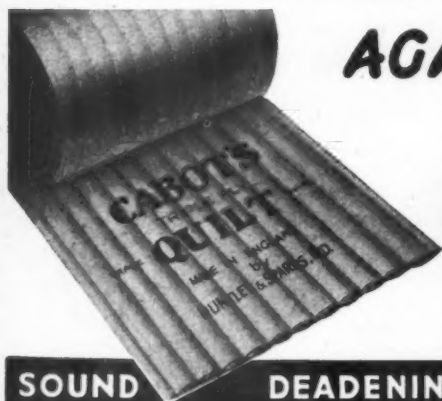
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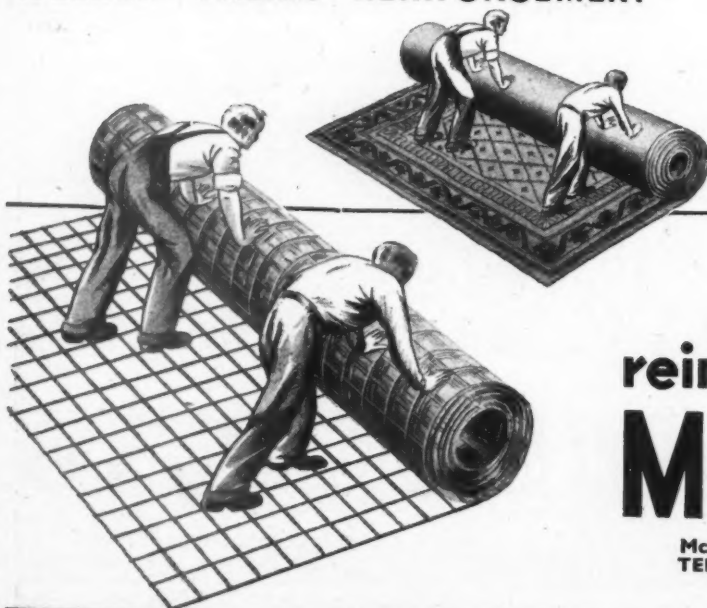
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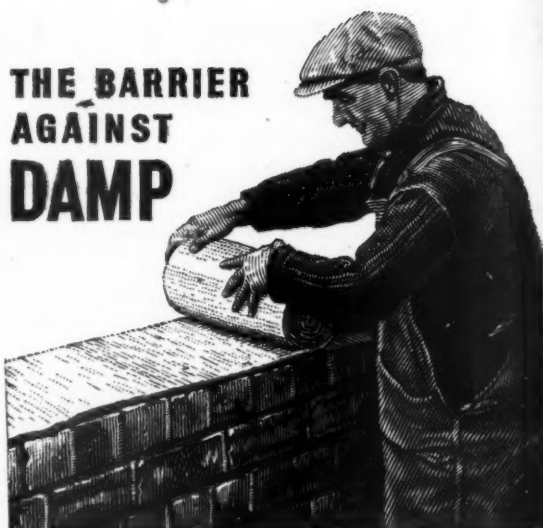


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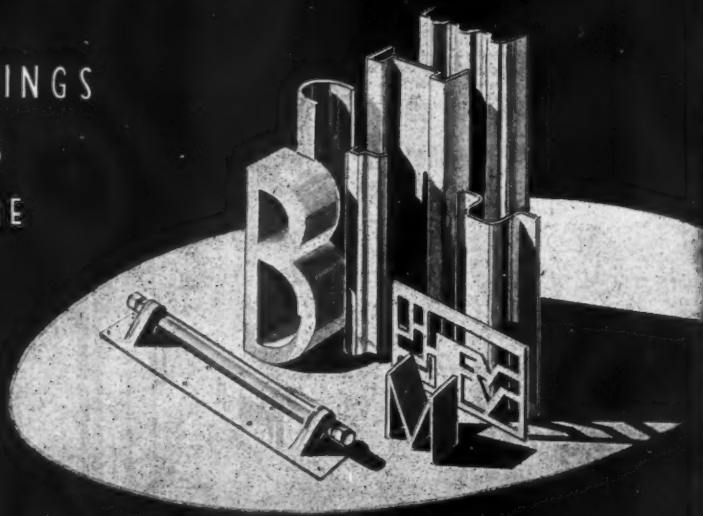
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CLASSIFIED ADVERTISEMENTS

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

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

Public and Official Announcements

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

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. Address: 75, Eaton Place, London, S.W.1. TEL. SLOANE 5615. 99A

CORPORATION OF LONDON.
CITY SURVEYOR'S OFFICE.

APPOINTMENT OF TECHNICAL STAFF.
Applications are invited for the following appointments, in the City Surveyor's Office:—
ASSISTANT ARCHITECTS AND SURVEYORS. Salary up to £475 p.a. (inclusive of consolidated bonus), according to age, qualification and experience.

Candidates should either have qualified or be about to qualify for Associate Membership of the Royal Institute of British Architects, or Associate Membership of the Royal Institution of Chartered Surveyors (Building Sub-division).

The appointments are for the present on a temporary basis, and will be concerned principally with the reinstatement of war damage to a variety of types of properties. In the event of establishment to the permanent staff, temporary service will count for the purposes of superannuation. Such appointments will be subject to the provisions of Local Government Superannuation, and applicants will be required to pass a medical examination.

Previous experience with a Municipal body is not essential.

Applications, endorsed "Technical Staff," to be made to George Holliday, F.S.I., City Surveyor, 34, Moorgate, E.C.2, giving the following particulars:—Service with Armed Forces, age, qualification or intentions in connection therewith, previous training, positions and experience, date when available to commence duties if selected, together with copies of two testimonials. 916

THE UNIVERSITIES BUREAU OF THE BRITISH EMPIRE, 8, PARK STREET, LONDON, W.1.

has been requested to announce the following vacancy:

THE UNIVERSITY OF SYDNEY CHAIR
OF ARCHITECTURE.

The Senate will shortly proceed to the appointment to the Chair of Architecture which will become vacant upon the retirement of Professor L. Wilkinson. It will be glad to hear before 31st July, 1947, from anyone who would like to be considered for the appointment. The salary is £1,250 per annum, but negotiations for a general increase in University salaries are in progress. There is a retirement provision on the lines of F.R.S.U., and in addition the University pays £400 by way of annuity. One year's leave is granted on full pay every seven years, or thereabouts. Travelling expenses will be paid as arranged at time of appointment. Applications are to be sent direct to:

G. DALE,

Acting Registrar.

The University of Sydney.

20th April, 1947. 908

BOROUGH OF WISBECH.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.APPOINTMENT OF ARCHITECTURAL
ASSISTANT.

Applications are invited for the appointment of Architectural Assistant, Grade III, A.P.T. Division of the National Scale, £390-£415 to £435, plus cost-of-living bonus, at present £59 16s. per annum.

Applicants should have had general architectural experience. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act 1937 and to the successful candidate passing a medical examination, and to one calendar month's notice on either side.

The person appointed will be required to devote the whole of his time to the duties of the particular office.

Applications, suitably endorsed, stating age, qualifications and particulars of experience, accompanied by copies of two recent testimonials, should be received by the undersigned not later than Saturday, 21st June, 1947.

Canvassing, either directly or indirectly, is prohibited, and candidates should state in their applications whether, to their knowledge, they are related to any member of, or holder of, any senior office to the Council.

J. E. SIDDALL,

Town Clerk.

Town Hall, Wisbech, Cambs.
20th May, 1947. 969

MINISTRY OF EDUCATION.

ROYAL COLLEGE OF ART.

APPOINTMENT OF PRINCIPAL.

The Ministry of Education invites applications from persons of experience in the field of design for the post of Principal of the Royal College of Art, South Kensington, which will be vacated by Mr. P. H. Jowett on retirement next December.

The appointment will be a full-time appointment with an annual salary of £1,800 (for a man) or £1,625 (for a woman). There will also be an entertainment allowance attaching to the post of £100 a year. The post will be an established post for the purposes of the Civil Service Superannuation Acts.

Further particulars may be obtained on application in writing to the Secretary, Ministry of Education (Establishment Branch), Belgrave Square, S.W.1.

Completed applications must reach the Ministry not later than Saturday, 28th June next. Selection will be made by an Interview Board set up by the Civil Service Commissioners. The candidate selected will be required to take up duty on 1st January, 1948. 979

WORKING URBAN DISTRICT COUNCIL.
APPOINTMENT OF CHIEF ARCHITECTURAL
ASSISTANT.

Applications are invited for the above permanent appointment, in the Engineer and Surveyor's Department, at a salary in accordance with A.P.T. Division, Grade V, of the National Joint Scales (£460, rising to £510 per annum, plus cost-of-living bonus). Applicants should be qualified Architects.

The successful candidate will be assisted as far as possible in securing suitable housing accommodation.

The appointment, which may be terminated by one month's written notice on either side, is subject to the provisions of the Local Government Superannuation Act, 1937, and the person appointed will be required to pass a medical examination.

Forms of application may be obtained from Mr. H. P. Tame, A.M.I.C.E., M.T.P.I., Registered Architect, Engineer and Surveyor, Council Offices, Woking, and must be delivered in a plain sealed envelope endorsed "Chief Architectural Assistant," to the undersigned not later than 6th June, 1947.

F. H. SMITH,

Clerk of the Council.

Council Offices, Woking.

12th May, 1947. 978

METROPOLITAN BOROUGH OF

HAMPSTEAD.

APPOINTMENT OF CHIEF ARCHITECTURAL
ASSISTANT (A.P.T. VI-VII).BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.

Applications are invited for the appointment of Chief Architectural Assistant, on the permanent staff of the Housing Architect's Section of the Borough Engineer and Surveyor's Department, at a salary in accordance with Grades VI-VII of A.P.T. Division, National Scales of Salaries, £535-£650 per annum, plus £20 London weighting and bonus, at present £59 16s. per annum. Age limit: 45 years of age on 1st June, 1947.

Applicants must be Registered Architects qualified by examination, and should have had previous municipal architectural experience in housing. A knowledge of Town Planning will also be considered an advantage.

Applications, stating (a) age, (b) examination qualifications, (c) present and past appointments, with dates and salaries, (d) particulars of experience, and accompanied by copies of three recent testimonials, must be delivered to me in a sealed envelope, endorsed "Chief Architectural Assistant," not later than 9th June, 1947.

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

The conditions of service are those in the National Scheme for Local Government Officers, and the appointment will be terminable by one calendar month's notice on either side.

Canvassing will disqualify.

P. H. HARROLD,

Town Clerk.

Town Hall, Havestock Hill, N.W.3.
May, 1947. 974

MINISTRY OF WORKS.

ARCHITECTURAL ASSISTANTS (SENIOR
GRADE).

Applications are invited to fill vacancies for Architectural Assistants, to supervise Drawing Office Staffs in the following towns:—

Cardiff, Birmingham, Nottingham, Leeds, Tunbridge Wells, Bristol and Reading.

Candidates must have had a thorough training in Architecture and a good varied experience of the Supervision of drawing office staff.

Salary is up to £640 per annum, according to qualifications and experience. The appointments are in the first instance in an unestablished capacity, with possibility of permanent appointment.

Apply in writing, giving age, details of training, qualifications and experience, stating district preferred, to Chief Architect, Works General 10, Ministry of Works, Abell House, John Islip Street, London, S.W.1. 520

CLARE RURAL DISTRICT COUNCIL.

ARCHITECTURAL ASSISTANT.

Applications are invited for the above position on the permanent staff of the Council, at a salary in accordance with Grade IV, A.P.T. Division National Scale of Salaries, £420-£465, plus cost-of-living bonus.

Candidates must have had previous architectural experience, be fully conversant with present housing requirements, and be capable of surveying and levelling and the preparation of housing layouts, and administration of Building Contracts.

Preference will be given to Registered Architects, who are Members of the Royal Institute of British Architects.

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

Applications, stating age, qualifications and experience, accompanied by two recent testimonials, should be forwarded to the undersigned not later than the 31st May, 1947.

R. F. BUCKLEY,

Clerk of the Council.

3, Wrattling Road, Haverhill, Suffolk. 971

BOROUGH OF WILLESDBEN.

APPOINTMENT OF ARCHITECTURAL
ASSISTANTS.

The Council invites applications for the following permanent appointments, in the Borough Engineer and Surveyor's Department:—

(a) ONE FIRST-CLASS ARCHITECTURAL ASSISTANT.

(b) ONE SECOND-CLASS ARCHITECTURAL ASSISTANT.

Applicants for both positions must have passed the Final Examination of the Royal Institute of British Architects or other examination recognized as equivalent by the Institute, and in addition be qualified for election to Associateship of the Institute.

The salary attaching to the post (a) will be Administrative, Professional and Technical Division, Grade V, of the National Salary Scale for the London area, namely £480 p.a., rising to £550 p.a., plus cost-of-living bonus, which is at present £59 16s.

Applicants for the above positions should preferably have a general knowledge and experience of Architectural work obtained in the service of a Local Authority.

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

Applications, together with copies of not more than three recent testimonials, should be forwarded to the undersigned, endorsed "Architectural Assistant," no later than 10 a.m. on 9th June, 1947.

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

(Sgd.) R. S. FORSTER,

Town Clerk.

Town Hall, Dyne Road, Kilburn,

London, N.N.6. 961

BOROUGH OF NELSON.

APPOINTMENT OF ARCHITECTURAL
ASSISTANT.

Applications are invited for the appointment of SECOND ARCHITECTURAL ASSISTANT, in the Borough Surveyor's Department, at a salary in accordance with Grade IV of the National Scale, £420-£415-£465, plus cost-of-living bonus, at present £59 16s. per annum.

Candidates should have had experience in housing and general work. Applications, giving detailed particulars of experience and qualifications, endorsed "Architectural Assistant," with copies of three recent testimonials, to be delivered to the undersigned on or before Saturday, 7th June, 1947.

F. W. ROBERTS,

Town Clerk.

Town Hall, Nelson, Lancashire.

13th May, 1947. 976

ROYAL TECHNICAL COLLEGE, SALFORD.

Principal: J. E. RICHARDSON, Ph.D., B.Eng., M.I.E.E., A.M.I.Mech.E.

APPOINTMENT OF HEAD OF BUILDING
AND CIVIL ENGINEERING DEPT.

Applications are invited for the post of Head of the Building and Civil Engineering Department of the College. Duties to commence 1st September, 1947. The salary scale is in accordance with Grade II for Heads of Departments under the Burnham Technical Report, £750 to £850 per annum.

Candidates should possess an Honours Degree, or equivalent, with Structural Engineering as one of the subjects of the final examination, and should have had teaching and industrial experience. Experience of the administration of a department of a Technical College will be regarded as an additional qualification.

Forms of application, together with further particulars of the appointment, may be obtained from the Principal, Royal Technical College, Salford, 5, to whom they should be returned within 14 days of the appearance of this notice.

H. H. TOMSON,

Clerk to the Governors. 520

MARSHLAND RURAL DISTRICT COUNCIL.
WISBECH RURAL DISTRICT COUNCIL.
SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited from duly qualified persons for the joint appointment of Senior Architectural Assistant to the two Councils, at a salary in accordance with Grade A.P.T., IV, of the National Scheme of Conditions of Service (£420 to £465), plus cost-of-living bonus (at present £59 15s. per annum).

Applicants must be capable of preparing house designs, working drawings, specifications and bills of quantities, and preference will be given to those who have had experience of Local Authorities' housing schemes.

Applications from ex-Service men with the necessary experience will be welcomed, and such applicants should state the date they would be available to commence their duties.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to one month's notice on either side, and the person appointed will not be allowed to engage in private practice.

If necessary, the Councils will assist in the provision of a house out of houses under construction.

Applications, endorsed "Senior Architectural Assistant," stating age, qualifications, details of experience, etc., together with copies of three recent testimonials, to be sent to the undersigned so as to be received not later than first post on the 17th June, 1947.

Canvassing will be a disqualification.

G. HELLIER,

Clerk to the Councils.

Council Offices, Alexandra Road,
Wisbech, Cambs. 526
20th May, 1947.

BRISBANE CITY COUNCIL.
QUEENSLAND, AUSTRALIA.

Applications are invited, and will be received by the Agent-General for Queensland, 409/410, Strand, London, W.C.2, up to 30th June, 1947, for the following positions, in the Planning and Building Branch, Department of Works:—

ONE DEPUTY CITY PLANNER. Salary, £A.800 p.a.

ONE ASSISTANT DESIGNING ARCHITECT. Salary, £A.650 p.a.

TWO ARCHITECTS, Grade III. Salary, £A.555 to £A.605 p.a.

THREE ARCHITECTS, Grade II. Salary, £A.505 to £A.555 p.a.

THREE ARCHITECTS, Grade I. Salary, £A.410 to £A.505 p.a.

ONE STRUCTURAL ENGINEER, Grade IV. Salary, £A.605 to £A.655 p.a.

ONE QUANTITY SURVEYOR, Grade II. Salary, £A.505 to £A.555 p.a.

ONE QUANTITY SURVEYOR, Grade I. Salary, £A.410 to £A.505 p.a.

ONE ASSISTANT PLANNING OFFICER. Salary, £A.650 p.a.

THREE PLANNING ASSISTANTS, Grade II. Salary, £A.505 to £A.555 p.a.

TWO PLANNING ASSISTANTS, GRADE I. Salary, £A.334 to £A.440 p.a.

Cost-of-living adjustment, at present £A.47 per annum, is additional to all salaries.

Commencing salary payable to appointees to be dependent on their qualifications and experience.

First-class steamer fares from the United Kingdom to Australia, train fares from the point of arrival in Australia to Brisbane (if necessary), and reasonable transportation of personal effects (excluding items of furniture) of the appointee and his family will be paid; provided the successful applicant enters into a bond with the Council that he will not resign from its service within a period of five (5) years from date of embarkation.

The Council proposes to build housing to accommodate its staff, on a rental basis, and will provide temporary accommodation in the meantime.

The agreed salary will be paid to the appointee on and from the date of embarkation. Three (3) weeks' leave is granted annually, and the retiring age of Council employees is sixty-five (65) years.

The necessary application form, together with further particulars relating to the positions, may be obtained from the office of the Agent-General for Queensland, 409/410, Strand, London, W.C.2 (where copy of the relevant Award and Council Ordinances may be inspected), or from the Secretary, R.I.B.A., 66, Portland Place, London, W.1. 561

ARCHITECTURAL ASSISTANTS REQUIRED
BY MINISTRY OF WORKS.

Applications are invited to fill vacancies for Drawing Office duties in London. Gross emoluments up to £550 per annum, according to qualifications and experience.

The appointments, which offer good opportunities for advancement, are in the first place in an unestablished capacity, with possibility of permanent appointment. Work is varied, giving ample scope to those seeking further experience in the design of all types of buildings.

Applicants should have had a recognized full period of training and experience, with a practising Architect or Local Authority, etc.

Apply in writing, giving age, details of training and experience, to Chief Architect, W.G.10, Ministry of Works, Abell House, John Islip Street, London, S.W.1. 519

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

Applications are invited for the following permanent appointments in my department. Housing accommodation will be provided if necessary.

(a) ARCHITECTURAL ASSISTANTS. A.P.T., Grade V, £450 to £510 per annum.

(b) ARCHITECTURAL ASSISTANTS. A.P.T., Grade II, £360 to £405 per annum.

(c) QUANTITY SURVEYING ASSISTANT. A.P.T., Grade VI, £536 to £600 per annum.

(d) GENERAL QUANTITY SURVEYING ASSISTANT. A.P.T., Grade II, £360 to £405 per annum.

A cost-of-living bonus, at present £59 15s. per annum, will be paid in addition to the above salaries.

Candidates for (a) should hold a recognized architectural qualification, and have had comprehensive experience in design and construction.

Candidates for (b) are requested to give full information regarding their qualifications and experience.

Candidates for (c) should be fully qualified Quantity Surveyors with comprehensive experience in taking off and billing of quantities, measuring up and settling of accounts.

Candidates for (d) should be qualified to work up bills of quantities and assist in the preparation thereof.

The appointments will be subject to the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination. Conditions relating to the appointments can be obtained from the undersigned.

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 Saturday, the 14th June, 1947, in envelopes endorsed in accordance with (a), (b) (c) or (d).

A. L. HOBSON,

Borough Engineer and Surveyor.
Municipal Buildings, 75, Union
Street, Oldham. 506
19th May, 1947.

BOROUGH OF EALING.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.

Applications are invited for the above permanent appointment on Grade V of the A.P.T. Division of the National Joint Council's Scales at a salary, including cost-of-living bonus and London weighting, of £589 15s. per annum.

Preference will be given to applicants who are Associate Members of the Royal Institute of British Architects and/or Registered Architects, and have had experience in Municipal Works, including Housing.

Forms of application, together with conditions of appointment, may be obtained from C. W. Seddon, M.I.C.E., Borough Engineer and Surveyor, Town Hall, Ealing, W.5, and should be completed and returned to me endorsed "Architectural Assistant," not later than 9th June, 1947.

E. J. COPE-BROWN,

Town Clerk. 504
Town Hall, Ealing, W.5.

CITY OF MANCHESTER.
HOUSING COMMITTEE.

Applications are invited for the appointment, under the Housing Committee, of the following established posts for Technical Assistants:—

FIRST ASSISTANT ARCHITECT (who acts as Deputy to the Chief Assistant Architect), Grade VII of the N.J.C. Scales. £575-£650 per annum.

TWO ASSISTANT ARCHITECTS, Grade IV of the N.J.C. Scales. £420-£465 per annum, to be paid at a commencing rate not exceeding £450 per annum, according to experience, in this scale.

All the above should have had experience in the design and planning of housing schemes and block flats, and preference will be given to fully qualified applicants.

ONE ENGINEERING ASSISTANT, in the Quantity Surveying Section, in Grade III of the N.J.C. Scales. £390-£435 per annum.

Applicants for this position should have had experience in the preparation of schemes for gas and electrical installations in houses and block flats, the preparation of specifications, supervision of work in progress, and checking of final accounts for such works.

All the above posts are subject to an additional amount for cost-of-living bonus, which at present amounts to £60 per annum.

After six months' service, the successful candidates will be required to contribute to the Corporation's Superannuation Fund, and if under the age of 30 years will be required compulsorily to contribute to the Manchester Municipal Officers' Widows' and Orphans' Pensions Fund.

Applications, stating age, qualifications and experience, together with copies of two testimonials, must be submitted to Mr. A. Mackenzie, L.R.I.B.A., Director of Housing, Town Hall, Manchester, 2, endorsed as to the position applied for not later than Friday, the 6th June, 1947.

Canvassing in any form, oral or written, direct or indirect, is prohibited.

PHILIP B. DINGLE,

Town Clerk. 995
May, 1947.

CITY OF PLYMOUTH.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff, which are subject to the Local Government Superannuation Act, 1937, a satisfactory medical examination, and one month's notice on either side for termination.

The salary scales are those of the A.P.T. and General Divisions of the National Scheme of Conditions of Service, and are subject to the addition of cost-of-living bonus, at present £59 15s. per annum.

(a) ONE ASSISTANT ARCHITECT. A.P.T. Division, Grade V. Salary, £450-£510 per annum.

(b) THREE JUNIOR ARCHITECTURAL ASSISTANTS. General Division. Salary within the scale £265-£300 per annum.

Applicants for appointment (a) should preferably be Members of the Royal Institute of British Architects.

Applicants for appointments (b) should have received training in an Architect's office, and the commencing salary will be in accordance with age.

Candidates must not be over 40 years of age, but this condition may be relaxed in the case of a person up to 45 years of age employed by another Local Authority.

Applications for appointment (a) only must be made on forms to be obtained from the undersigned; those for appointment (b) should state particulars of age, education, training and experience, etc. All applications (accompanied by copies of two recent testimonials) should be submitted to me as soon as possible.

THE CORPORATION WILL MAKE HOUSING ACCOMMODATION AVAILABLE TO THE SUCCESSFUL APPLICANTS WHO ARE MARRIED.

E. C. CATCHPOLE, A.R.I.B.A.,

City Architect.

Weston Lodge, Seymour Road, Plymouth. 501

COUNTY BOROUGH OF BOURNEMOUTH.
APPOINTMENT OF DEPUTY BOROUGH
ARCHITECT.

Applications are invited for the above position, at a salary of £700, rising by annual increments of £50 to a maximum of £850, plus the normal cost-of-living bonus.

Candidates must be qualified members of the R.I.B.A., with experience in all sections of the work of a local authority.

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

Form of application may be obtained from John Burton, A.R.I.B.A., Borough Architect, Town Hall, Bournemouth, and returned, together with copies of not more than three recent testimonials, to reach the undersigned not later than 10 a.m. Monday, 9th June, endorsed "Deputy Borough Architect."

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

A. LINDSAY CLEGG,

Town Clerk. 510
Town Hall, Bournemouth.
May, 1947.

CROWN AGENTS FOR THE COLONIES.

Applications from qualified candidates are invited for the following post:—

ASSISTANT QUANTITY SURVEYOR required by the Government of Northern Rhodesia, Public Works Department, for two tours each of 2 to 3 years in the first instance. Salary according to age, qualifications and war service, in the scale £480, rising to £720 a year, plus cost-of-living allowance of £60 for a single man and for a married man between £105 and £144 a year according to number of dependants. Gratuity of £20 to £25, according to salary, for each completed period of three months' service. Free passages and quarters. Candidates must be Professional Associates of the Chartered Surveyors' Institution, or possess recognized qualifications of similar institutions, and have had good experience of practical quantity surveying. Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/17614 on both letter and envelope. 511

SCOTTISH SPECIAL HOUSING ASSOCIATION, LTD., invite applications for the following appointments:—

ARCHITECTS, Grade I. £700 × £25-£900;

ARCHITECTS, Grade II. £450 × £25-£675;

ENGINEERS, Grade I. £700 × £25-£900;

ENGINEERS, Grade II. £450 × £25-£675;

QUANTITY SURVEYOR AND ESTIMATOR. £1,000 × £30-£1,200.

QUANTITY SURVEYORS, Grade I. £700 × £25-£900; QUANTITY SURVEYORS, Grade II. £450 × £25-£675.

LAND SURVEYORS. £450 × £25-£675; and

JUNIOR ASSISTANT LAND SURVEYORS. £300 × £15-£400.

No bonus is payable on the salaries stated.

Forms of application, with full particulars, can be obtained from the Secretary, Scottish Special Housing Association, Ltd., 15/21, Palmerston Place, Edinburgh, and all applications must be in the hands of the Secretary not later than 12th July, 1947. Canvassing will be a disqualification. 996

URBAN DISTRICT COUNCIL OF BILLERICAY SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:-
(1) CHIEF ARCHITECTURAL ASSISTANT (ESTABLISHED).

At a salary commencing at £535 per annum, rising by two annual increments of £20 and one of £25 to a maximum of £600 per annum. Applicants must possess the qualification A.R.I.B.A., or equivalent qualification. A travelling allowance of £58 per annum for the provision and running of a motor car will be paid.

(2) ARCHITECTURAL ASSISTANT (ESTABLISHED).

At a commencing salary of £390 per annum, rising by annual increments of £15 to £435 per annum, or £420 per annum, rising by annual increments of £15 to £465 per annum, according to qualifications. Applicants must at least have passed the Intermediate Examination of the R.I.B.A. or equivalent, and the higher salary will only be granted to qualified architects.

(3) DRAUGHTSMAN.

At a salary of £255 per annum, rising by annual increments of £15 to a maximum of £300 per annum. Applicants must have had experience as either a Civil Engineering or Architectural Draughtsman.

In each case the above salary will also carry cost-of-living bonus, at present £59 16s. per annum, and each post is subject to the Scheme of Conditions of Service.

Applications, on forms to be obtained from the Surveyor, Council Offices, Billericay, should be forwarded to the undersigned not later than the 7th June, 1947, and endorsed appropriately.

A. HATT,

Clerk of the Council.

Council Offices, 98, High Street,
Billericay.

502

HIS MAJESTY'S COLONIAL SERVICE.

A TOWN PLANNER is required by the Government of the Colony of North Borneo to prepare plans for the reconstruction and development of the Colony's main centres, which were in most cases completely devastated during the war. The scale of destruction is such that there is an unique opportunity for a town-planning expert to reconstruct the Colony's urban centres on model lines. The post offers unusual scope, with commensurate responsibility, for which first-class qualifications and experience will be required.

Candidates must be Members or Associate Members of the Town Planning Institute, and in addition should preferably possess an architectural qualification. They should be between the ages of 45 and 50, and have had extensive experience of all branches of town-planning work, including responsible charge of the preparation of major schemes. They must combine with sound knowledge and experience the administrative ability to organize and run a Government Department. The successful candidate will be appointed on agreement for one tour of two years in the first instance at a fixed salary of £1,500 per annum. Home leave on full pay is granted at the end of the tour at the rate of 5 days for each month of resident service. Free passages are provided each way each tour for the officer and, if married, for his family. The officer will be provided with Government quarters is available, for which rent will be charged at a rate of 1 per cent. of salary for quarters and 2 per cent. for furnishings. A gratuity allowance of £60 is payable on first appointment. Income tax is not at present levied in North Borneo. Intending candidates should write at once to the Director of Recruitment (Colonial Service), Colonial Office, 15, Victoria Street, London, S.W.1, stating age, qualifications and experience.

• 1000

BOROUGH OF PUDSEY. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant, in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade II of the A.P.T. Division of the Scale of Salaries, set out in the Scheme of Conditions of Service, namely £360 per annum, rising by annual increments of £15 to £405 per annum, plus cost-of-living bonus, at present £59 16s.

Candidates should have had experience in the Design of Houses and Estate Layouts, Supervision of Contracts, Building, Road and Sewer Works, Setting Out and Measurement of Work, and Keeping of Records.

The appointment will be subject to (a) the Scheme of Conditions of Service, (b) the provisions of the Local Government Superannuation Act, 1937, and (c) the successful candidate passing a medical examination.

The Council will consider providing suitable housing accommodation (if necessary) for the successful applicant.

Applications, stating age, giving full details of training, experience, present and previous positions held and qualifications, and accompanied by copies of not more than three recent testimonials, must be delivered to the Borough Surveyor, Town Hall, Pudsey, not later than 5 p.m. on Monday, the 9th June, 1947.

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

W. R. CRUSE,

Town Clerk.

Town Hall, Pudsey.

996

BATH EDUCATION AUTHORITY. BATH TECHNICAL COLLEGE.

Principal: L. J. Curre, O.B.E., M.S., B.Sc.
Applications are invited for the post of Full-time LECTURER IN BUILDING CONSTRUCTION AND ALLIED SUBJECTS.

Salary: Burnham Scale.

Further particulars and form of application may be obtained from the Principal Technical College, Lower Borough Walls, Bath.

H. W. BRAND,

Director of Education.

998

COUNTY BOROUGH OF DARLINGTON. BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, A.P.T., Grade V (£460-£510), plus cost-of-living bonus, at present £59 16s. 3d.

Preference will be given to candidates with experience on Housing or Education work, and to those who have passed the Associateship Examination of the Royal Institute of British Architects.

Forms of application can be obtained from E. A. Tornbohm, A.R.I.B.A., A.M.T.P.I., Borough Architect, Town Hall, Darlington, and should be returned to the Town Clerk, 11, Houndgate, Darlington, not later than 16th June, 1947.

Canvassing, directly or indirectly, will disqualify.

997

COUNTY BOROUGH OF NEWPORT, MON. BOROUGH ARCHITECT'S DEPARTMENT. APPOINTMENT OF A CLERK OF WORKS ON THE TEMPORARY STAFF.

Applications are invited for the above post, to supervise Contracts in connection with the erection of Houses and Various Maintenance Works.

The salary for this position will be in accordance with Grade V, A.P. & T. Division, of the National Scheme for Local Government Officers, £460 to £510 per annum, plus the current cost-of-living bonus, at present £59 16s. per annum.

The appointment will be subject to the Corporation's Conditions of Service and Superannuation Scheme, and the successful candidate will be required to pass a medical examination.

In accordance with the Town Council's resolution, the successful candidate (if married and residing outside Newport) will be offered, if required, the tenancy of a temporary bungalow in the Borough for the duration of service with the Newport Corporation.

Applications, accompanied by two recent testimonials, must reach me not later than Thursday, the 5th June, 1947.

JOHNSON BLACKETT, F.R.I.B.A.,

Borough Architect.

Town Hall, Newport, Mon.

13th May, 1947.

990

LONDON COUNTY COUNCIL. SENIOR ARCHITECTURAL VACANCIES.

Well-qualified Architects are invited to apply for the following positions:-

ARCHITECT, Grade I, £240-£40-£460.

ARCHITECT, Grade II, £200-£35-£340.

The persons appointed must be capable of initiating and developing important architectural projects related to programmes for the erection of schools and other buildings. They will also be responsible for organizing the work for and direction of subordinate staff.

Successful candidates are required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for permanent appointment according to merit.

Application forms may be obtained from the Architect to the Council, County Hall, London, S.E.1 (stamped addressed envelope required), returnable within ten days.

Canvassing disqualifies. (1642)

503

CITY OF ROCHESTER. ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment, in the City Surveyor's Department, at a salary in accordance with Grade IV (Administrative, Professional and Technical Division) of the National Scale of Salaries, viz., £420 per annum, rising by annual increments of £15 to £465 per annum, plus cost-of-living bonus, at present £60 per annum. Candidates should be Associates of the Royal Institute of British Architects, and have had good general experience, particularly in the preparation of drawings, specifications, and quantities for Municipal Housing Schemes.

The appointment will be subject to:-

(1) The scheme of conditions of service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

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

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must reach the undersigned not later than 16th June, 1947.

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

JOHN L. PERCIVAL,

Town Clerk.

Guildhall, Rochester.

21st May, 1947.

530

BOROUGH OF HARWICH.

JUNIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of a Junior Architectural Assistant, in the Borough Architect and Planning Officer's Department, at a salary in accordance with the Miscellaneous Division of the National Scale of Salaries, viz., £225×£15 to £300 p.a., plus cost-of-living bonus (at present £59 16s. p.a.).

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. The appointment will be subject to one month's notice on either side.

Forms of application may be obtained from my office, and must be returned to me (together with not more than two recent testimonials) not later than Saturday, 14th June, 1947, endorsed "Junior Architectural Assistant."

Canvassing will disqualify a candidate.

Dated this 16th day of May, 1947.

G. F. CONGDON,

Town Clerk.

506

Architectural Appointments Vacant

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

ARCHITECTURAL ASSISTANT required immediately in busy London office. Working drawings, details, surveys, specifications and supervision of work. State age, qualifications, experience and salary required to Box 954.

QUALIFIED ARCHITECT required as Managing Assistant for extensive progressive practice, mainly concerned with housing; knowledge of quantities useful; must have up-to-date experience and knowledge of present building regulations; car owner/driver. Send full details, including salary required, to Box 934.

ARCHITECTURAL ASSISTANT required to prepare layout and working drawings for new factories and extension on an industrial estate which is being developed on modern lines in South Essex; previous experience of industrial work is an advantage, but quality of draughtsmanship and knowledge of construction are first essentials; age and full particulars of experience should be stated; assistance would be given in obtaining a house. Write Personnel Manager, Samuel Williams & Sons, Dagenham Dock, Essex.

940

ESTIMATING and Costing Surveyor or Engineer required by old-established civil engineering and building contractors in Essex engaged mainly on factory construction and extensions; considerable experience of estimating and costing in a contractor's head office is essential, but management of contracts is not one of the duties; salary about £800 per annum, depending on experience and ability; applicants should give details of their age, education, qualifications, and experience with dates. A house may be available if required. Write Box 1699, c/o Charles Barker & Sons, Ltd., 31, Budge Row, London, E.C.4.

941

ARCHITECTURAL ASSISTANTS required by London Architects, with large general practice; excellent prospects. Write, stating experience and salary required. Box 967.

FIRST-CLASS ARCHITECTURAL ASSISTANT required by South Coast Chartered Architect; applicant must be 25-30, R.I.B.A. Inter. standard, capable of taking control of office, and experienced in housing, factory extensions, surveys, dilapidations, etc.; the post will be progressive, and salary paid according to ability and initiative. Applicants should state experience, salary required, and when prepared to start, to Box 946.

ASSISTANT required; not less than Inter. R.I.B.A. standard, with some office experience. Write, stating age and details of experience and salary required, to Welch & Lander, F.R.I.B.A., 38, Gloucester Place, Portman Square, W.1.

947

DRAUGHTSMEN wanted in Architect's office of a Bank; applicants must be good draughtsmen, able to measure up buildings and plot surveys. Reply, stating age, training, experience, qualifications, and salary required, to Box 948.

ASSISTANT wanted for Architect's Department of Heavy Industrial Organization in East Midlands area; progressive position for first-class draughtsman with sound knowledge of construction. Apply, stating age, salary required, and details of experience, to Box 993.

DRAUGHTSMAN—Junior for London firm; used to architectural metalwork, including stores and hotel equipment, etc.; capable of designing simple schemes under supervision; permanency, with good prospects. Write, stating age, experience, and approximate salary desired, to Box 985.

ARCHITECTURAL ASSISTANT, for small modern office, East Anglia; pleasant conditions.—Full particulars and salary required to Box 994.

SENIOR ARCHITECTURAL ASSISTANTS required for Bristol office; permanent progressive appointments to experienced men able to act on own initiative, and prepared to travel extensively. Apply Mackintosh & Partners, 11, Orchard Street, Bristol, 1. Telephone No.: 26126. 523

COMPETENT ARCHITECTURAL ASSISTANT required. J. Kennedy Hawkes, A.R.I.B.A., 51, High Street, Esher (Esher 1142). 523

ASSISTANT required, to take control of Architects' N. London office; salary, £500-£700 p.a., according to qualifications and experience. Box 524.

CAPABLE ASSISTANT required by Company in Norfolk; used to maintenance, specifications, design and surveys of licensed properties. Applicants should state qualifications, age, experience, and salary in replying to Box 514.

ARCHITECTURAL ASSISTANT required; R.I.B.A. Intermediate standard; good draughtsman. Apply, stating age, experience, and salary required, to Burgess, Holden & Watson, Architects and Surveyors, Beaconsfield, Bucks. 513

ARCHITECTS—SENIOR DRAUGHTSMEN required, with experience in modern industrial work, housing, and school design; applicants should forward experience, testimonials, and salary required. Sandy & Norris, 134, Newport Road, Stafford. 512

REQUIRED for New Factory Buildings, Quantity Surveying, and the necessary Building and Civil Engineering Work, a fully experienced **SURVEYOR AND BUILDING DRAUGHTSMAN**; capable of making the necessary drawings and specifications; the factory is in the South Wales area, and accommodation is available for a single man; duration of appointment approximately two to three years. Applications, giving full details of training and experience, stating salary required and when available, should be made in the first instance to Box 509.

THE GAS LIGHT & COKE CO.—SENIOR ARCHITECTURAL ASSISTANT required; preferably experienced in the design, alteration and maintenance of industrial buildings, and capable of preparing surveys, working drawings, details and specifications; knowledge of quantities would be an advantage; salary according to experience and qualifications. Applications, giving age and full particulars of experience and qualifications, should be sent to the Staff Controller, Gas Light & Coke Co., 30, Kensington Church Street, W.8. 508

ASSISTANT ARCHITECT and/or Quantity and Land Surveyor required for busy General Practice in Notts and Lincs; much rural housing work; salary according to ability and capabilities; replies to give age, experience, and present salary; car driver desirable. Saunders & Partners, Architects and Surveyors, Newark-on-Trent, Notts, and Louth, Lincs. 529

FIRST-CLASS ARCHITECTURAL ASSISTANT, preferably qualified, required in Horsham office; good draughtsmanship essential, with sound knowledge of general practice. Reply, stating age, salary required, qualifications and experience, to Godman & Kay, F.F.R.I.B.A., Milnwood, 13, North Parade, Horsham, Sussex. 525

Architectural Appointments Wanted

ASSISTANT (21 years), wide experience, seeks three days' work per week in Essex or Suffolk; own car; salary, or fees by arrangement. Box 316.

GENTLEMAN (21), ex-Service, public school, now studying for final, having just sat for Inter. III B, R.I.C.S., through College of Estate Management, seeks experience in Architect's office (London area). Box 336.

ARCHITECTURAL Student (age 26), with 4 years' experience in municipal office, requires post in Architect's office; South. Box 322.

R.I.B.A. (R.I.B.A. Ashpitel prizeman), ex-Major R.E., re-commencing practice, own London office, 16 years' varied experience, requires part-time work, preferably on hourly basis. Box 323.

SENIOR ARCHITECTURAL ASSISTANT seeks spare-time work for Architects, Surveyors, etc.; housing, shops, Flats, war damage; first-class draughtsman; London or South areas; specimen of work submitted to anyone interested. Write Box 324.

ASSISTANT requires position; Leicester or Coventry area; sitting final July next; 4 years London offices; energetic and capable to carry through job complete; own car, free late July. Box 325.

R.I.B.A., aged 30, requires change; South of England preferred. Box 331.

SENIOR QUANTITY SURVEYOR desires appointment, where accommodation available; 14 years' experience; final bills, specifications, surveys; good draughtsman, good worker; North-East preferred. Box 329.

ARCHITECTURAL ASSISTANT (7 years' experience), at present full-time student, requires work during summer vacation in Newcastle-Durham area. c/o Station Hotel, Ushaw Moor, Durham. 330

Other Appointments Wanted

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

TECHNICAL WRITER and Proof Reader seeks employment; connected with architecture or building; London area; age 30; studying R.I.B.A. Inter; lucid, accurate, keen, and not afraid of work. A. Kendall, 33, Village Road, Finchley, N.3.

TWO ARCHITECTURAL DRAUGHTSMEN, with general building experience, desire to contact Architects and other interested parties for part-time work. Write Box 510, or ring HOU. 0327.

LADY TRACER, 7 years' varied experience, desires position in Central London. Box 507.

ARCHITECT (21 years), wide experience all branches, seeks free lance or part time work in Essex or Suffolk; own car; fees by agreement. Box 887.

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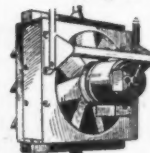
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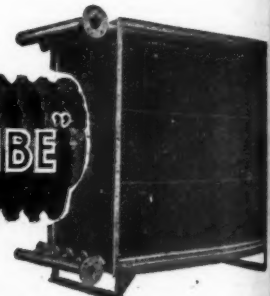
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LONDON COUNTY COUNCIL.
QUALIFYING EXAMINATION FOR THE OFFICE OF DISTRICT SURVEYOR.

Formal notice is hereby given that the next examination of persons desirous of obtaining a certificate of proficiency to perform the duties of the Office of District Surveyor by the Board, established by the London County Council in accordance with Section 77 of the London Building Acts (Amendment) Act, 1939, will be held in London in week commencing 20th October, 1947. The minimum age limit for candidates is 25.

Possession of this certificate carries eligibility to compete for appointment to vacant positions of District Surveyor at maximum salaries ranging from £1,200 to £1,800 a year, or of Assistant District Surveyor—£840 to £40 to £360 a year.

Regulations governing candidature, the syllabus, and application forms for the examination, obtainable from the Architect to the Council, County Hall, S.E.1. Persons who have already asked for particulars of the examination need not re-apply. (1612) 992

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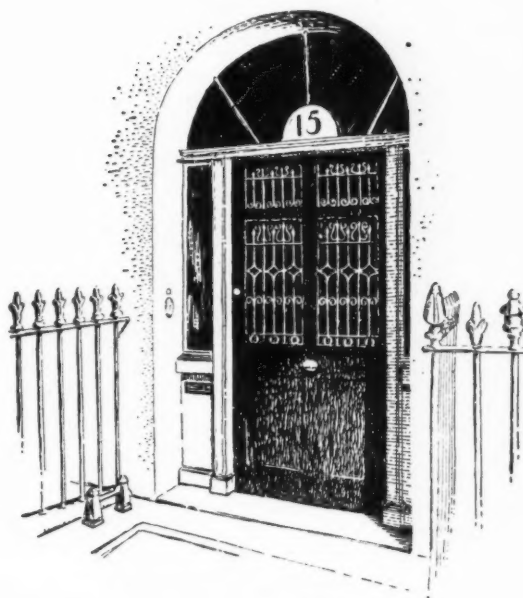
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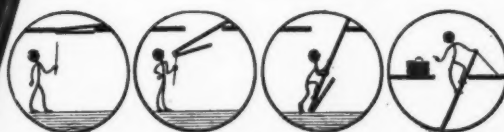
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