

ARTS DEPT

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The Architects' JOURNAL for May 23, 1946

# THE ARCHITECTS' JOURNAL



## standard contents

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

## DIARY NEWS

from AN ARCHITECT'S Commonplace Book

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## INFORMATION SHEET

## SOCIETIES & INSTITUTIONS

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

AA	Architectural Association. 34/6, Bedford Square, W.C.1.	Museum 0974
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 9, Belgrave Square, S.W.1.	Sloane 0421
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
BC	Building Centre. 23, Maddox Street, W.1.	Mayfair 2128
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 25, Victoria Street, S.W.1.	
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford.	Garston 2246
BSA	British Steelwork Association. Eginton House, Buckingham Gate, S.W.1.	Victoria 7301-2-3
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W. Sloane 4280	
CSI	Chartered Surveyors' Institution. 12, Great George Street, S.W.1.	Whitehall 5322
DIA	Design and Industries Association. 2, Stratford Place, W.1.	Mayfair 5432
DOT	Department of Overseas Trade. Dolphin Square, S.W.1.	Victoria 4477
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FMB	Federation of Master Builders. 23, Compton Terrace, Upper Street, N.1.	Canonbury 2041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 4, Hobart Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13 Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 3158
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577
IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3767
MARS	Modern Architectural Research. 46, Sheffield Terrace, W.8.	Park 7678
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Whitehall 3400
MOE	Ministry of Education. Belgrave Square, S.W.1.	Sloane 4522
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service. St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Abbey 7711
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Whitehall 8411
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 1010
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 7070
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives. 9, Rugby Chambers, Rugby Street, W.C.1.	Holborn 2770
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
PWB	Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 7611
RCA	Reinforced Concrete Association. 91, Petty France, S.W.1.	Whitehall 9936
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Cancery 5313
SIA	Society of Industrial Artists. 20, Wellfield Avenue, N.10.	Tudor 7027
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6147
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815

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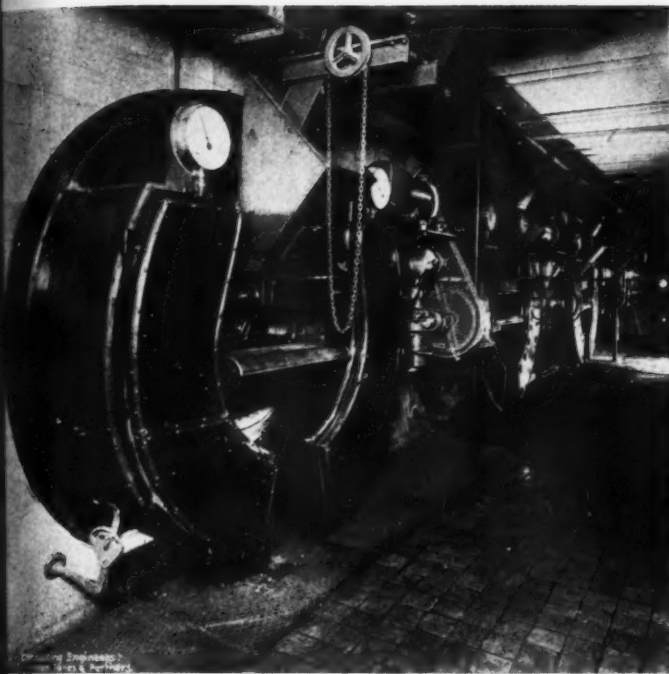
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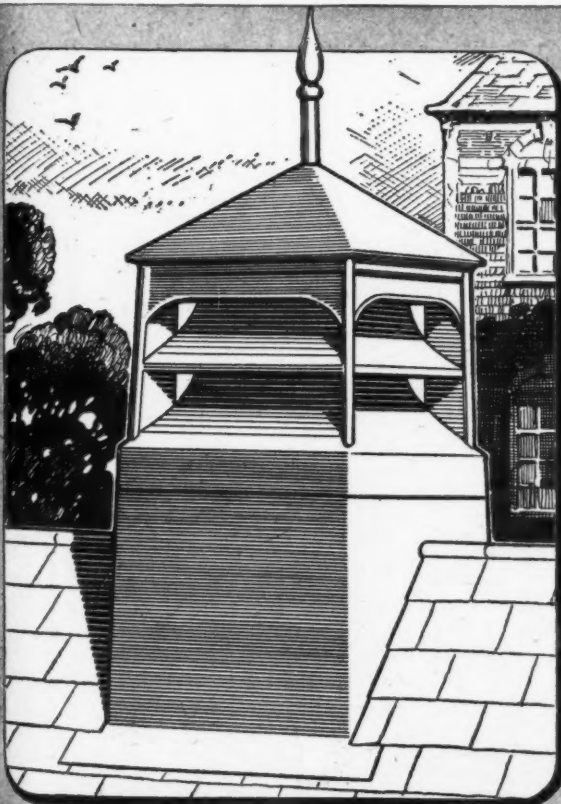
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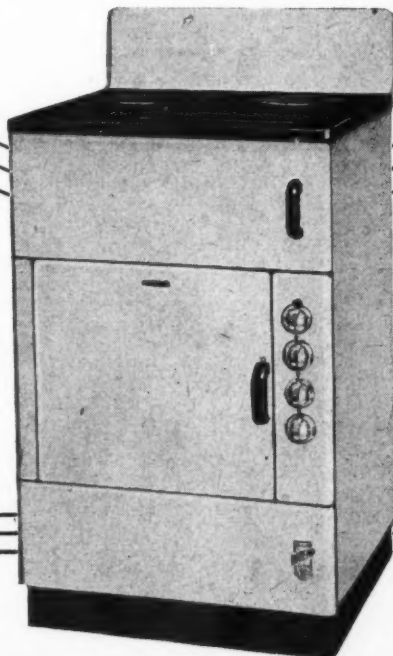
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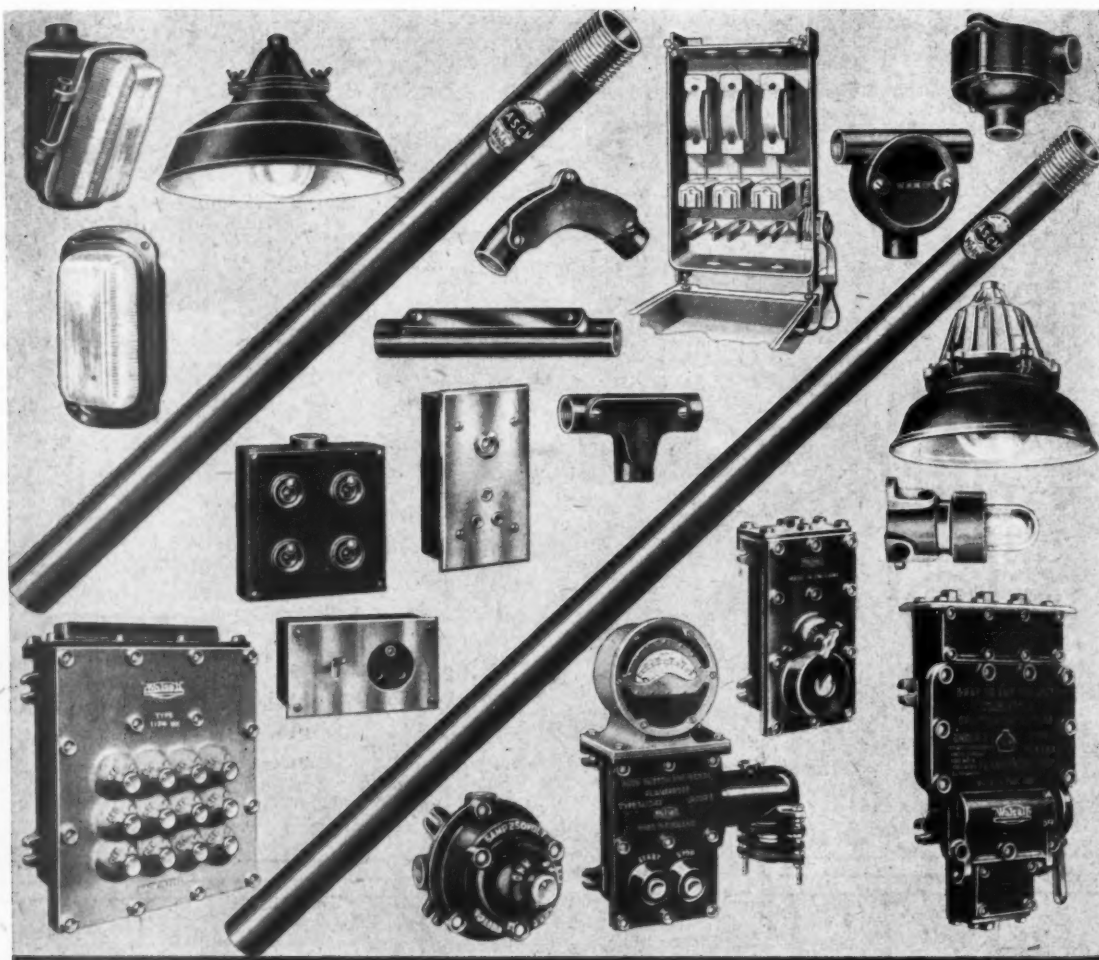
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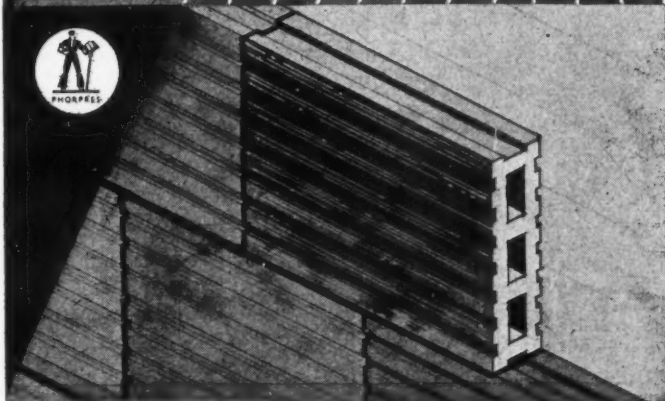
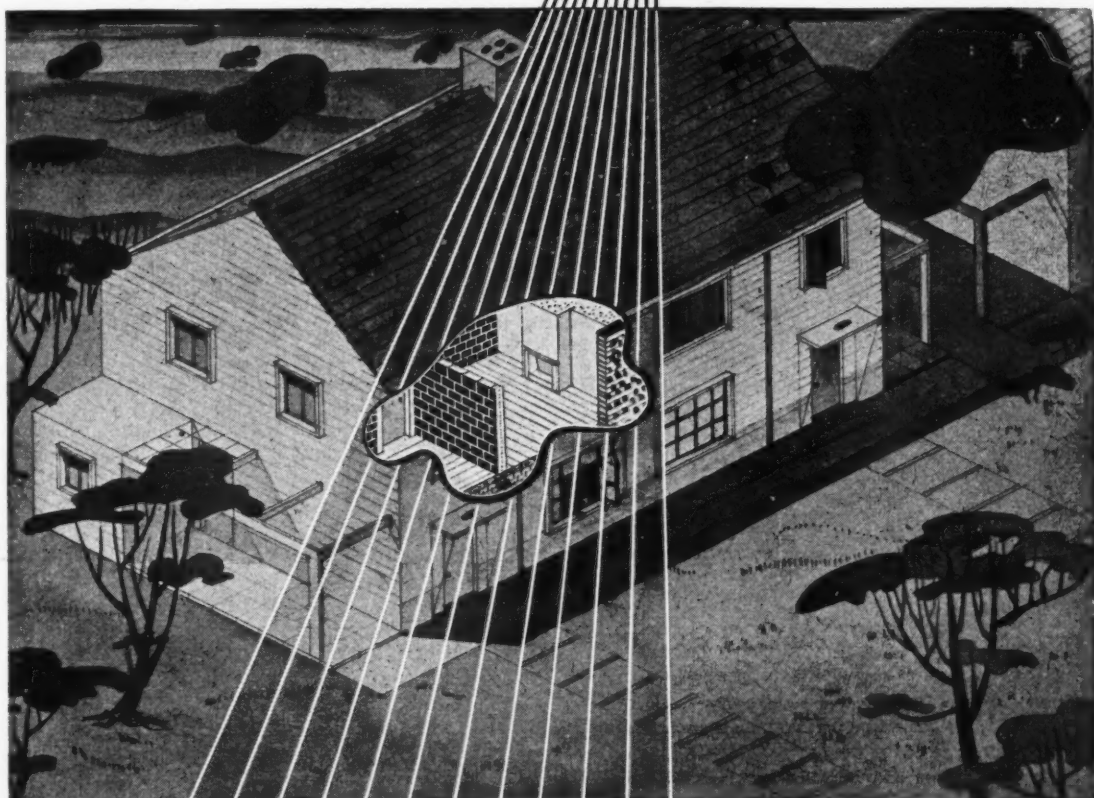
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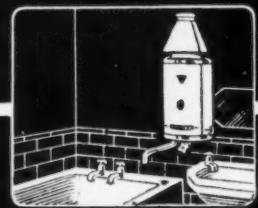
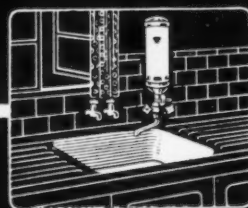
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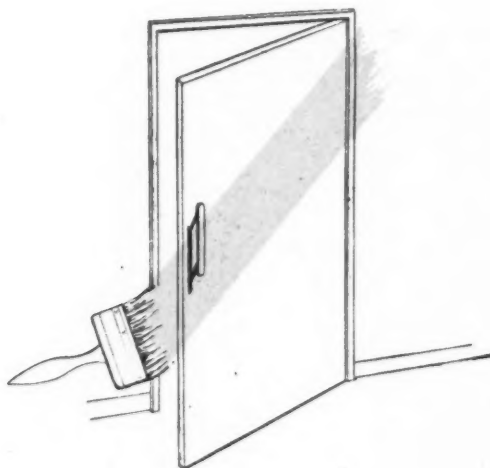


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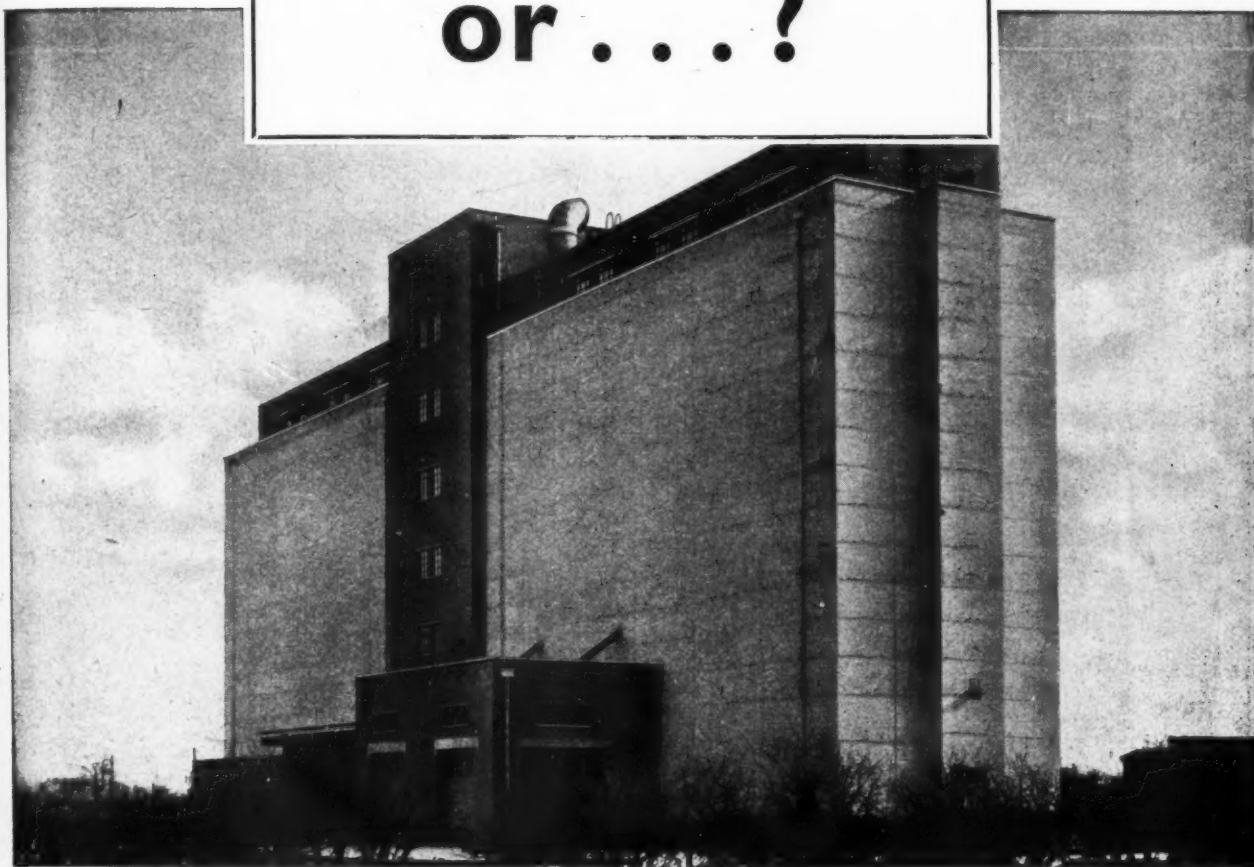
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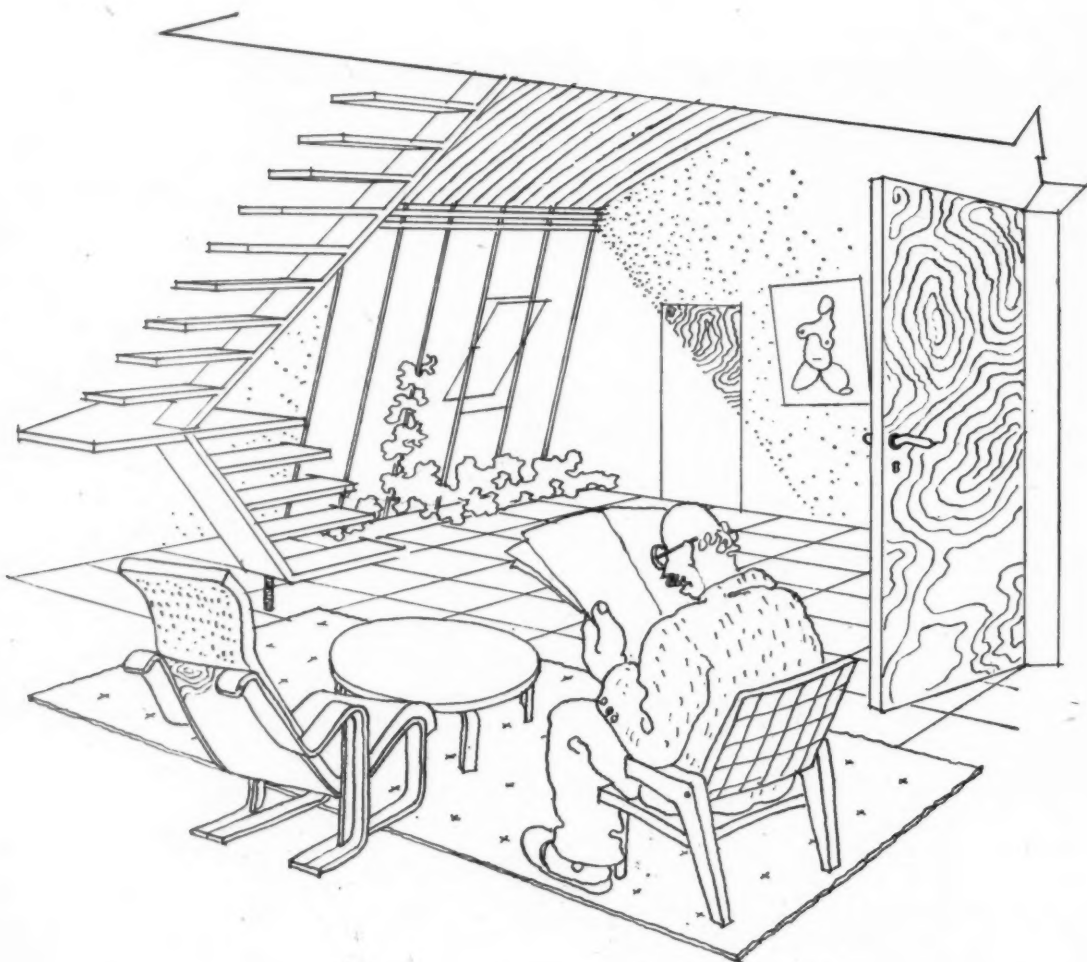
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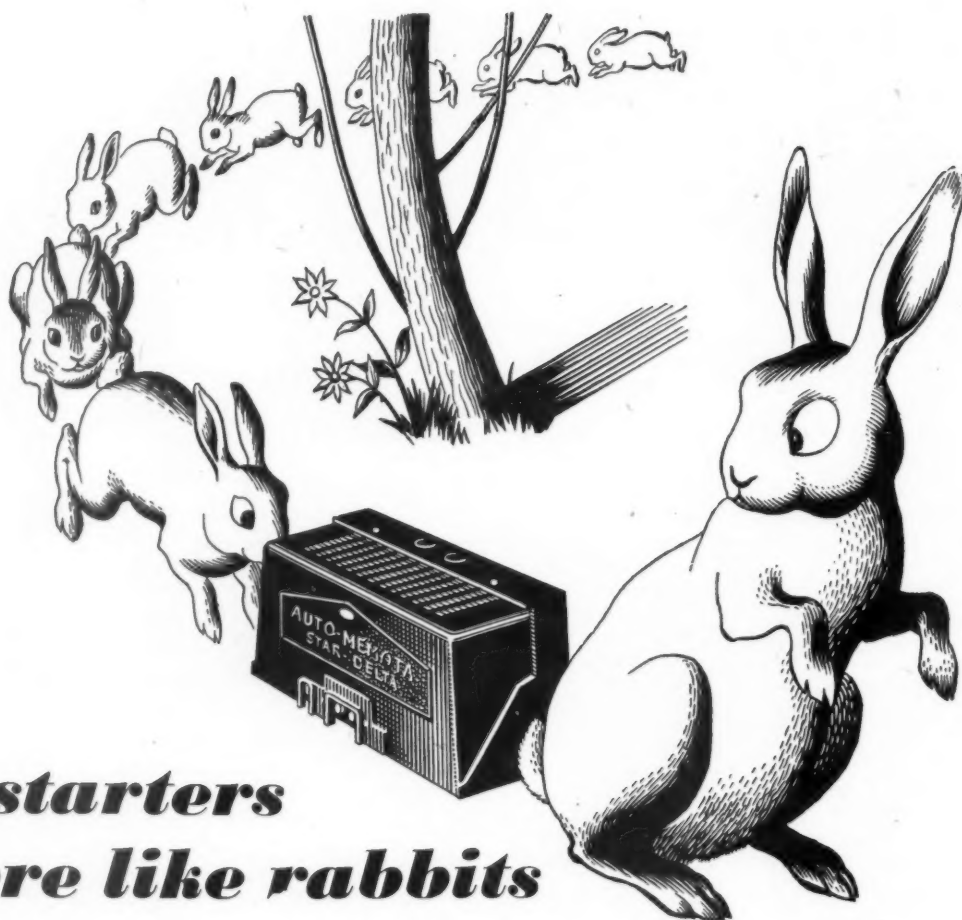
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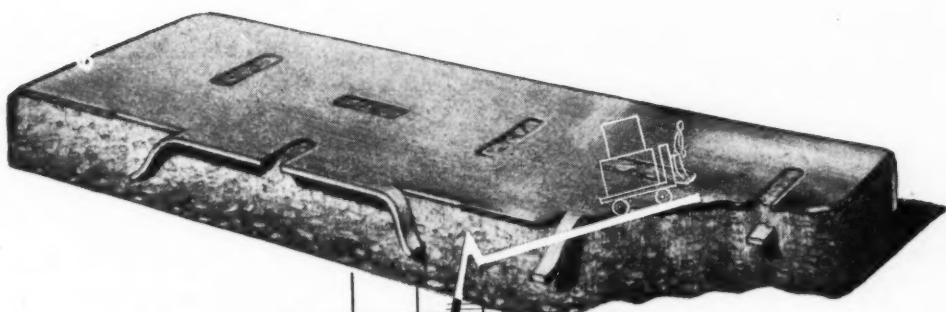
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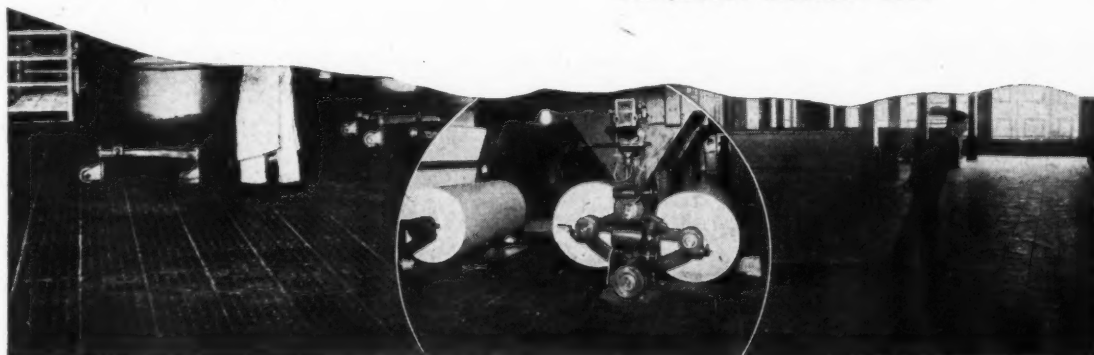


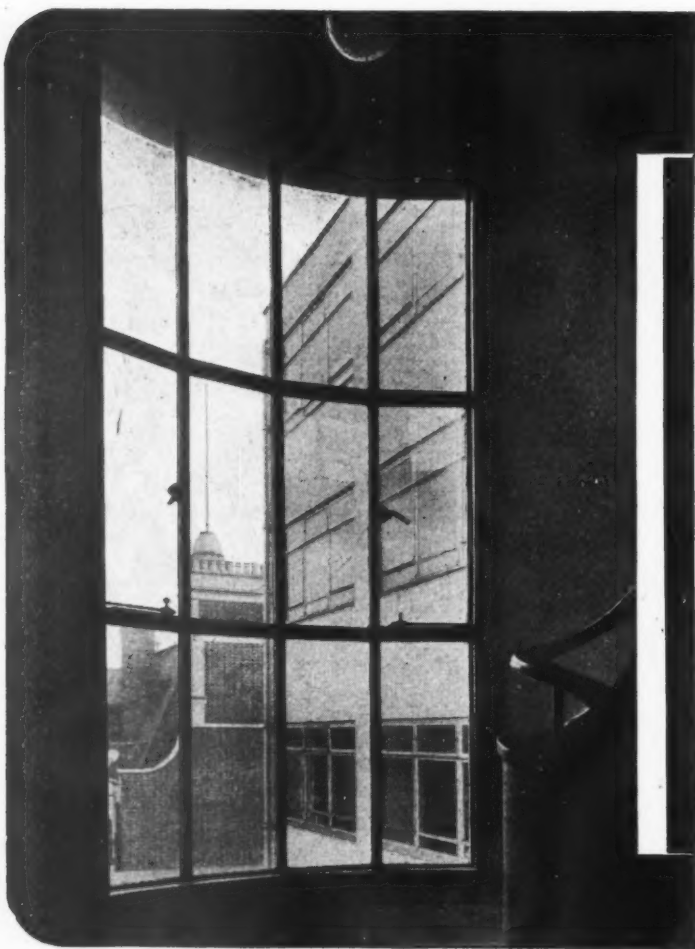
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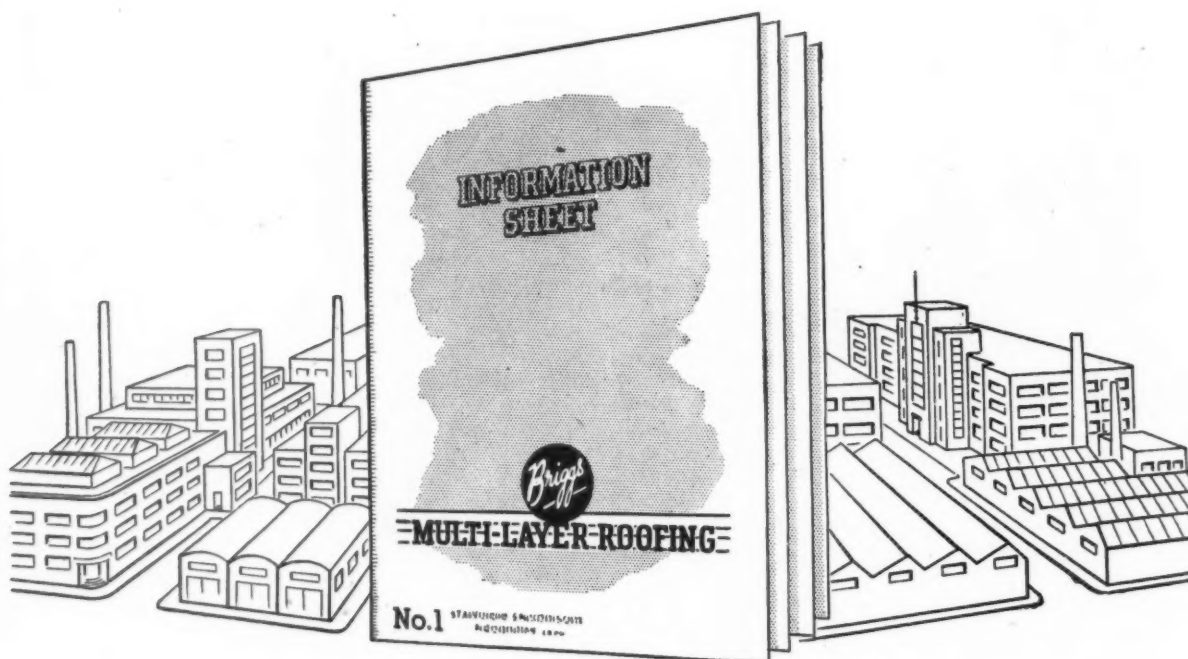
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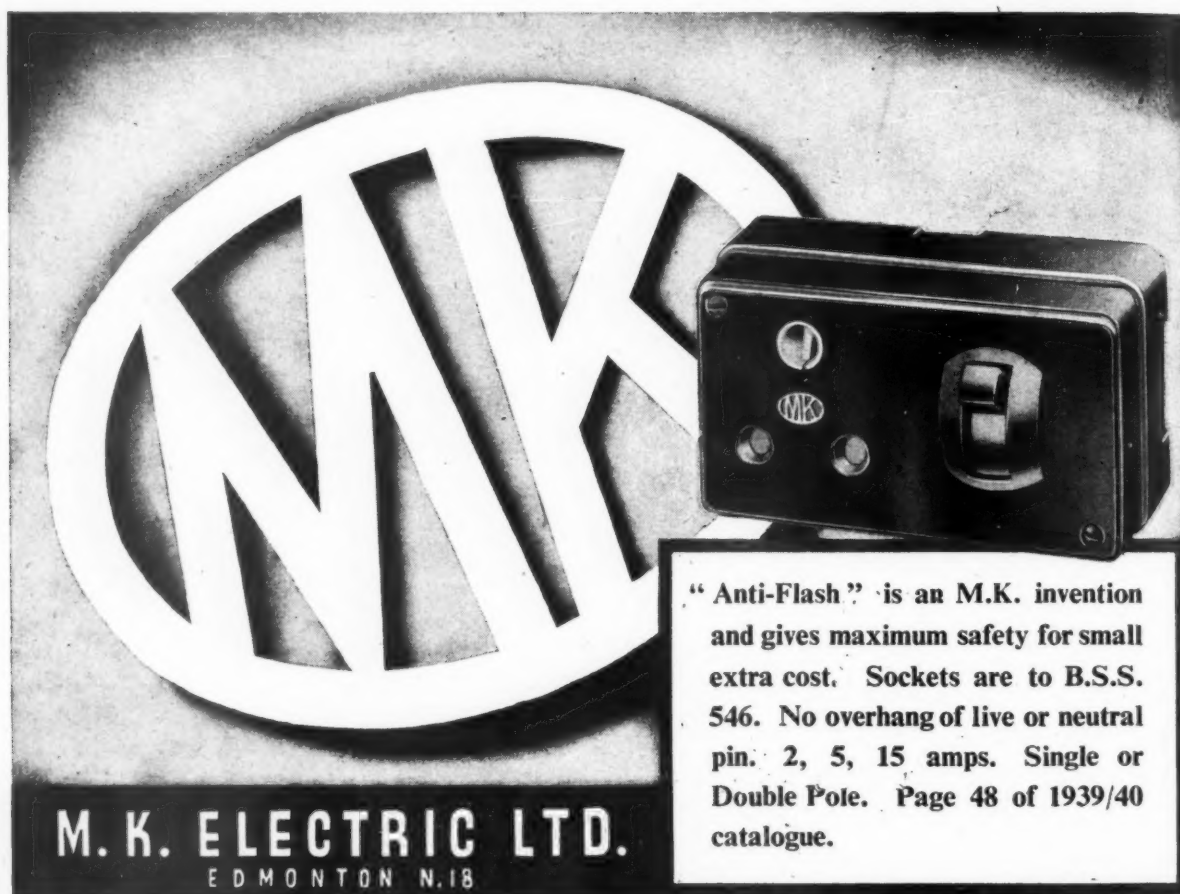
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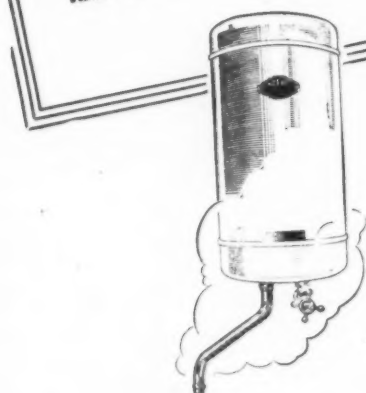
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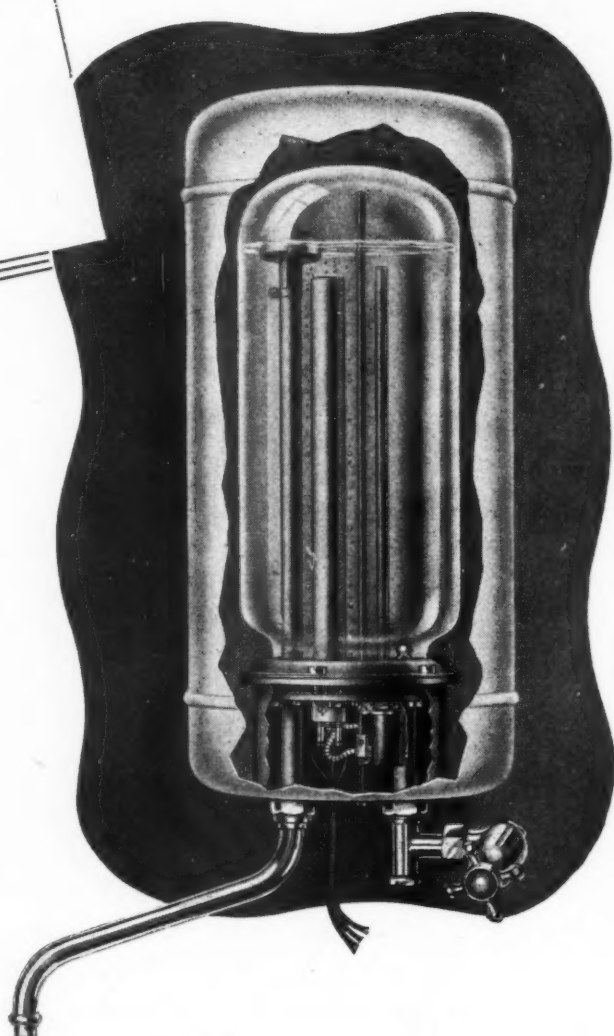
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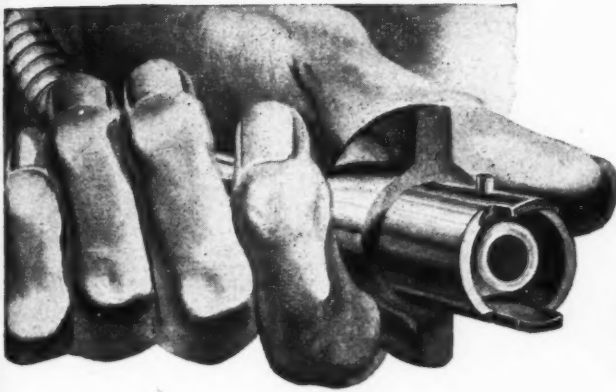


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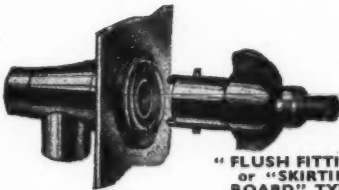
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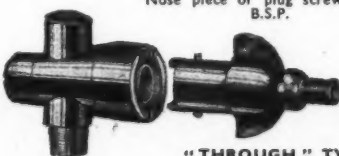
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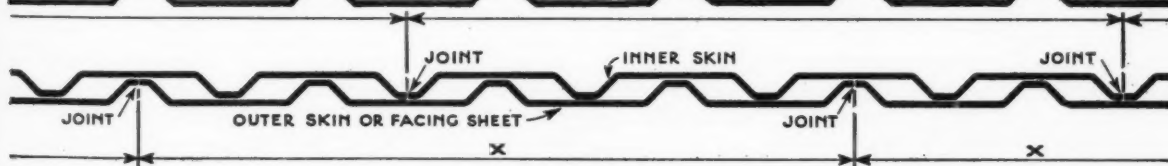
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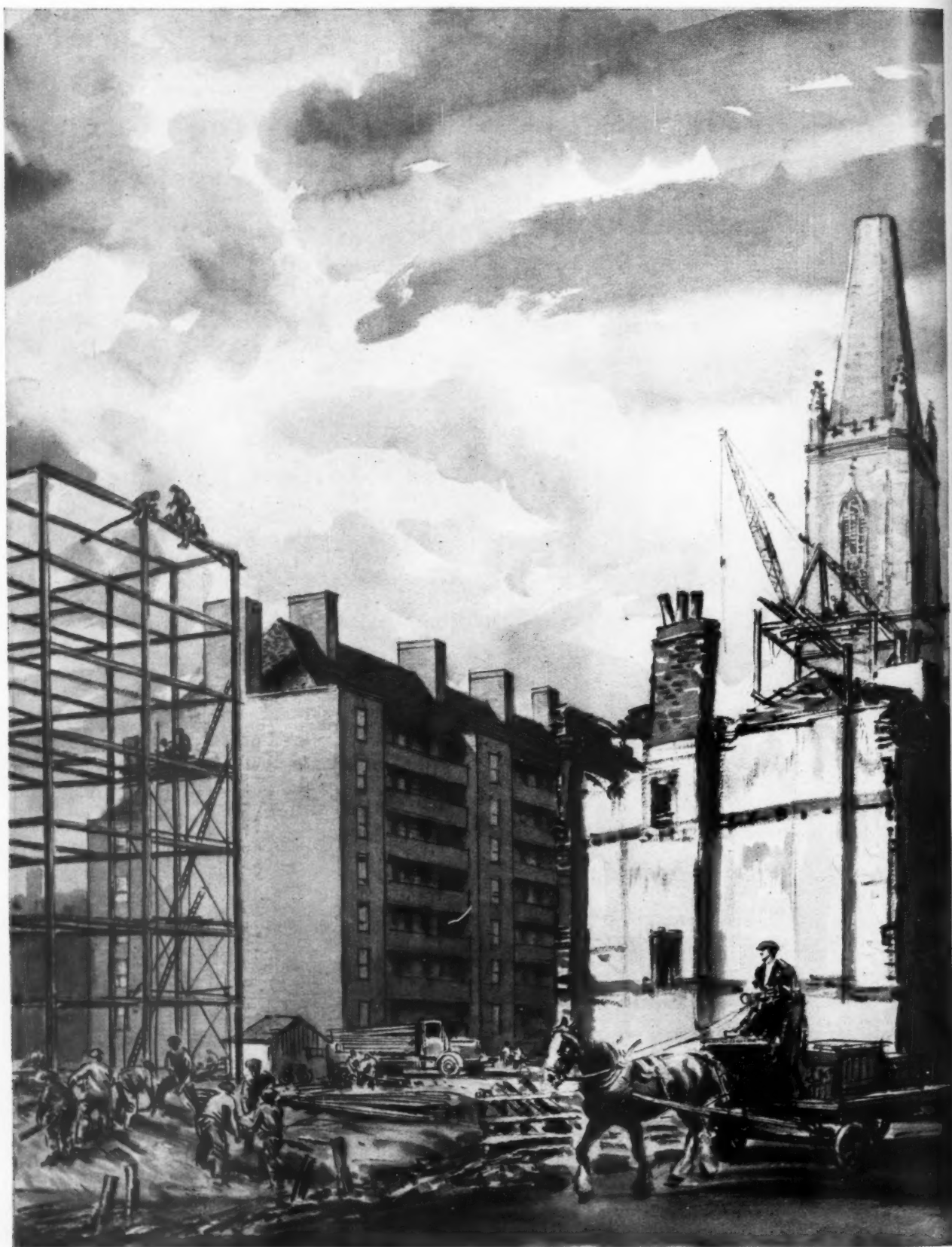
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## DIARY FOR MAY JUNE AND JULY

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.

**BIRKENHEAD.** *Birkenhead Plan*, by Sir Charles Reilly and N. S. Aslan. Exhibition at Williamson Art Gallery. (Sponsor, Birkenhead Corporation.) 10 a.m. to 6 p.m. MAY 23-31

**BLACKPOOL.** *Health Congress*. To be opened by Lord Woolton. Sections of the Congress include *Engineering and Architecture*, presided over by Sir Reginald Stradling, and *Housing and Town Planning*, presided over by Norman H. Walls. (Sponsor, RSL.) JUNE 3-7

**BRIGHTON.** *Building Societies Association Conference*. Chairman, Mr. R. Bruce Wycherley. Sir John Anderson, M.P., will speak on inflation at the conference, and Mr. Oliver Stanley, M.P., will be the chief speaker at the annual dinner. (Sponsor, BSA.) MAY 29-31

**LONDON.** *Dupont Group Exhibition*, At Stephens Restaurant, Goadge Street, Tottenham Court Road, W.1. (Sponsor, Dupont Group.) MAY 23-JUNE 15

*Paintings by Mervyn Peake, Drawings by Sigmund Pollitzer and Small Paintings by Ivons Wilson.* Exhibition at Redfern Gallery, 20, Cork Street, Burlington Gardens, W.1. (Sponsor, Redfern Gallery.) MAY 23-JUNE 8

*Chartered Surveyors' Institution, Annual General Meeting.* At 12, Great George Street, Westminster, S.W.1. To receive the Council's Report for the Session 1945-1946, and the announcement of the results of the election of the Council for the ensuing session. (Sponsor, CSI.) 5 p.m. MAY 27

R. Fitzmaurice, Deputy Chief Scientific Adviser, Ministry of Works. *Materials and Methods of Construction for Housing.* Announcement of result of AA Election of Officers and Council for Session 1946-7. At the AA, 34-36, Bedford Square, W.C.1. (Sponsor, AA.) 6 p.m. MAY 28

R. A. Scott James. *The Unity of the Arts.* At the International Arts Centre, 3, Orme Square, Bayswater Road, W.2. (Sponsor, IAC.) 8 p.m. MAY 28

Trenchard Cox, Director, City Museum and Art Gallery, Birmingham. *Problems of a Municipal Museum and Art Gallery.* At the Courtauld Institute of Art, 20, Portman Square, W.1. (Sponsor, CIA.) 5.30 p.m. MAY 28

SCR Architecture and Townplanning Group. Soviet architects have replied in considerable detail to the questions on the organisation of their profession, the structure of the Soviet building industry, principles of townplanning, etc., sent them by the Architecture and Townplanning Group of the Society for Cultural Relations with

the USSR. Their answers will be discussed at an informal gathering to be held at the RIBA, 66, Portland Place, W.1, on May 29, at 7.15 p.m. Tickets (price 2s. including refreshments) may be obtained from the SCR, 98, Gower Street, London, W.C.1. (EUSon 6272.) MAY 29

Monsieur Tony Socard, Director of Town and Country Planning in Algeria. *Town Planning in Algeria.* At the RIBA, 66, Portland Place, W.1. (Sponsor, RIBA.) 6 p.m. MAY 30

Dr. David Mace *Environment and Marriage Guidance.* At the Town and Country Planning Association, 28, King Street, Covent Garden, W.C.2. Buffet lunch, 12.45 p.m. Talk and discussion, 1.15 p.m.-2.15 p.m. (Sponsor, TCPA.) MAY 30

*Federation of Master Builders, London Region.* Luncheon meeting preceding half-yearly meeting. At the Connaught Rooms, Great Queen Street, W.C.2. Guest of honour, Rt. Hon. Aneurin Bevan, M.P., Minister of Health. 12.45 for 1 p.m. (Sponsor, London Region FMB.) MAY 30

*London Master Builders' Association Luncheon.* At the Savoy Hotel. Chairman, E. W. Garrett; President of the Association. Guests of Honour, the Lord Mayor and Lady Mayoress of London. (Sponsor, LMBA.) JUNE 3

Dr. Mary Woodall. *Gainsborough.* At the Courtauld Institute of Art, 20, Portman Square, W.1. (Sponsor, CIA.) 5.30 p.m. JUNE 4

Dr. W. Swift. *Viewing the Print and the Subject.* Fifth lecture on *How It Works in Photography.* At 16, Princes Gate, S.W.7. (Sponsor, Royal Photographic Society Scientific and Technical Group.) 6 p.m. JUNE 4

ASB Study Group No. 1. *Sociology and Architecture.* Architectural Science Board lecture at the RIBA, 66, Portland Place, W.1. A. General. Sociological Studies and Architecture. B. Evolution. 1. Social Trends. 2. Flexibility in Building and Planning. 3. Time-lag in Public Taste. 4. "Existence Minimum" Standards. C. Community Problems. 1. Transport and Density. 2. "Neighbourhood Unit." D. Practical. Some Administrative Problems. (Sponsor, ASB.) 5.45 p.m. JUNE 5

*Chemical Research Exhibition.* At the Tea Centre, Lower Regent Street, S.W.1. (Sponsor, Imperial Chemical Industries.) JUNE 5-28

W. A. Thorpe. *The Idea of Furniture.* At the International Arts Centre, 3, Orme Square, Bayswater Road, W.2. (Sponsor, IAC.) 8 p.m. JUNE 11

## NEWS

THURSDAY,  
No. 2678

May 23, 1946  
Vol. 103

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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.

★★  
**Messrs. A. J. P. Powell and J. H. Moya of London have WON THE PIMLICO HOUSING COMPETITION first prize of 700 guineas.**

The other awards were: second, 500 guineas, H. V. Lanchester and T. A. Lodge, London; third, 300 guineas, P. B. Dunham and F. Macfarlane Widdup, Studham, near Dunstable; fourth, 200 guineas, A. W. Kenyon and C. Lovett Gill, London. Commended, Sir John Brown and A. E. Henson and Partners, London; D. Dex Harrison, Ernest Seel, and Mrs. Penelope Hawkes, London; C. Nicholas and J. E. Dixon Spain, London; A. B. Wylie and R. Cowan, Edinburgh. Sixty-four designs were submitted. The competition was promoted by the Westminster City Council and assessed by Mr. Stanley C. Ramsey.

*The London Master Builders' Association has received an assurance from the LCC that all the quantity surveyors on the LCC panel have been informed that bills of quantities should be prepared in accordance with THE STANDARD METHOD OF MEASUREMENT. The Association has notified its members accordingly.*

# HOPE'S



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## From AN ARCHITECT'S Commonplace Book

WHERE THE SEMI-DETACHED HOUSE ORIGINATED. [From Georgian London, by John Summerson (Pleiades Books).] There are copies in existence of an engraved map of the Eyre Estate showing a complete scheme of development, dated 1794. It bears the names of Spurrier and Phipps, whom the *London Directory* identifies as auctioneers, of Copthall Court, City. The plan includes the usual elements: square, circus, crescent, streets, market, church. But the remarkable thing about it is that the whole development consists of *pairs of semi-detached houses*. So far as I know, this is the first recorded scheme of the kind—a kind which was to become almost universal for suburban development in the later 19th century and which remains almost universal today. Whose can have been the initiative in this revolutionary departure? . . . The credit must remain, for the present, with an unknown innovator. . . . Neither the British circus nor any part of the plan was ever carried out. Probably the war put an end to the adventure. . . . The Eyre Estate was, however, built up with detached and semi-detached houses and not in closed-up rows, so that the most striking characteristic of the plan of 1794 was adopted. . . . Today, many of these houses still exist, marking distinctly the character of St. John's Wood. It was the first part of London, and indeed of any other town, to abandon the terrace house for the semi-detached villa—a revolution of striking significance and far-reaching effect.

*Mr. John Hooper O.B.E., who under Earl Stanhope prepared the scheme of furniture and decoration in Westminster Abbey and Annexe for the Coronation of King George VI and Queen Elizabeth, is now busy helping to select the furniture exhibits for the BRITAIN CAN MAKE IT exhibition organized by the Council of Industrial Design.*

★  
**The Minister of Health is requesting local Authorities to co-operate in enforcing DEFENCE REGULATION 56AB**

Under the above Regulation no person may carry out any work in the course of a building undertaking or civil engineering contracting undertaking carried on by him unless there is in force a certificate issued by the Minister of Works that he is registered under the above Regulation. This provision applies to local authorities in respect of building or civil engineering works carried out by them with direct labour. Certificates are issued on precise conditions that where terms and conditions of employment of persons employed in building undertakings or civil engineering undertakings in any class of work in any district or on any site have been fixed by joint agreement in the industry or by arbitration, the terms and conditions applied by the registered undertaking shall be *neither*

*more nor less favourable than the agreed rates and conditions.* It is also provided that if at any time while a certificate is in force, the Minister is satisfied that the conditions are not being complied with, the Minister may revoke the certificate. The Minister of Works has successfully prosecuted in several cases, and has revoked certificates in others. It is, however, normal policy to call on firms who contravene the Regulation to comply with the terms and conditions agreed in the industry and if they so agree, and give satisfactory assurances of continued compliance, to take no further action. Of this class of case over 400 have been dealt with in the past twelve months. Local Authorities should ensure that their own responsibility in this matter is adequately safeguarded, and in addition, should report promptly to the Principal Housing Officer of the Ministry of Health (the Secretary, Ministry of Health, Whitehall, in the case of the London Civil Defence Region) any examples which may come to their notice of infringement committed by their own contractors or by private developers within their areas.

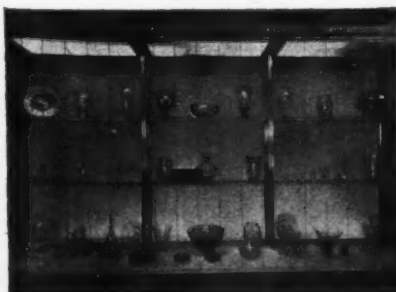
**Under the auspices of the British Council, four SOVIET ARCHITECTS ARE VISITING THIS COUNTRY.**

A delegation of four Soviet architects are visiting this country under the auspices of the British Council. They are: A. G. Morvinov, Chief of the Architectural Committee on the Council of the People's Commissar; G. A. Siminov and M. P. Bylinken, specialists in dwelling houses; and V. A. Shevariev, a specialist in town-planning. Mr. Morvinov is a Member of the Academy of Soviet Architects, and the others are

Corresponding Members. Three other architects are expected to come to join the party later. The programme provides for visits to LCC and provincial housing estates and important buildings, a flight over London to get a bird's-eye view of the city's lay-out and development, discussions with the Ministry of Town and Country Planning, the Ministry of Health and other official bodies, a dinner given by the RIBA, a show of architectural films, and attendance at the Conference at Welwyn Garden City on May 25 of the Architectural and Planning Group of the Society for Cultural Relations with the USSR.

**Mr. Willis asked the Secretary of State for Scotland, in the House of Commons, what steps have been taken to overcome the shortage of components for the SWEDISH HOUSES.**

Mr. Westwood: Certain components required for the Swedish timber houses, such as one type of waste unit and rainwater goods, are, I regret, still in short supply. The Ministry of Supply and the Ministry of Works are taking all possible steps to overcome these shortages and I am assured that within a few weeks a steady flow of components will be forthcoming. Mr. McKinlay: Is my right hon. Friend satisfied that most of these components cannot be manufactured much nearer the sites of the Swedish houses than is the case at the moment? Mr. Westwood: I am not sure about that, but I am satisfied that the Departments responsible are doing everything possible to give us the components we require to complete these Swedish houses.



At the Daily Herald Modern Homes Exhibition at Dorland Hall, which closes on May 25. Left, glassware exhibit; centre, one-room flat with Utility furniture, by Jacques Groag. Right, the china exhibit. The exhibition architects were Bronck Katz and R. Vaughan.





## *A Figure in Building*

This week we begin a quarterly series on a new price-index of building materials. This is being written specially for the Journal by a young but already well-known economist and statistician. Mr. Ian Bowen, who is also responsible for our monthly Housing Statistics, was born in Cardiff in 1908. He began his academic training, like many economists, in a different school. Elected a history scholar at Christ Church, Oxford, from Westminster School, he won the Gladstone Memorial Essay Prize and gained a First Class Honours Degree in Modern History. In 1930 he was elected a Fellow of All Souls' College, won the Preston Read Scholarship and the Eldon Law Scholarship. After two years, reading economics and taking some of the Bar examinations, he settled down as a lecturer in

history and economics in Oxford, and began research into banking history and nineteenth-century economic history. He published a short life of Cobden in 1933, and a study of the economic crisis of 1825 shortly afterwards. From 1935 he specialized in statistics of capital formation and investment, working in the Institute of Statistics at Oxford until 1940. He wrote several articles relating to the output of the building and contracting industries and their relation to the general trade cycle, and was first editor of the Oxford Institute of Statistics Bulletin. In December, 1940, he joined the staff of the Ministry of Works, and was head of the Statistics Division there until 1945. Since his return to academic work, he has become the director of an enquiry into the economics of the building industry at the National Institute of Economic and Social Research.



*On the recommendation of its Contracts Committee, the Council of the National Federation of Building Trades Employers has unanimously agreed to make its rule on the USE OF QUANTITIES OBLIGATORY, and all its members have been notified accordingly.*

The quantities rule, which is now binding on all members of the National Federation, is as follows:—Members shall not tender in competition for contracts exceeding £1,500 in total value without bills of quantities being supplied. In the case of contracts for the repetitive construction of small dwelling houses the bills of quantities shall be prepared in accordance with the principles of the Code for the Measurement of Building Work in Small Dwelling Houses. This instruction shall not apply to contracts for repairs or contracts for painting or decorating only.

*Monsieur T. Socard, Director of Town Planning in Algiers, is visiting this country under the auspices of the British Council TO STUDY BRITISH TOWN-PLANNING methods. After visits and discussions in London and Welwyn Garden City, he will start a provincial tour.*

★

*At Lewes the East Sussex Appeals Committee has decided that BRUNSWICK SQUARE, HOVE, IS NOT TO BE A CAR PARK.*

The East Sussex Appeals Committee at Lewes has allowed an appeal against the proposed use as a car park of Brunswick Square, Hove, a perfect example of Regency architecture. The appeal was brought by the residents of the square. Mr. Harold Brown, for the appellants, said that if it is made an official car park trippers will come from the front in the summer and boil their potatoes as they now did all along the coast and, in effect, use the square as a camping ground. Announcing the committee's decision to allow the appeal, the chairman, Mr. Justice Cassels, said they consider that Brunswick Square is not a suitable place for the provision of parking facilities, but did not regard themselves as being called upon to decide anything about alternative sites.

*The Society of Merchant Venturers, of Bristol, has bought from Lord Penrhyn, of Penrhyn Castle, Bangor, the WICKEN ESTATE of 3,000 acres in North Buckinghamshire.*

The price paid is not disclosed, but it is understood that the sum asked was £95,000. Lying between Buckingham and Northampton, the estate includes a dozen farms and practically all the old stone-built village of Wicken. The rent roll, actual and estimated, is about £4,000.

## DIRECTION OF PRICES

THE anticipated shortages of building materials have, for the moment, so filled the foreground of discussion that the Meaningless Symbols, the £ s. d. spent on building, and on building materials, have almost been forgotten. It is high time to take stock of the situation. All through the last eighteen months of the war there were complaints inside and outside Parliament of the rise in building materials' prices. What is the situation to-day?

A new attempt to assess the trend in materials' prices is made by Mr. Bowen, well-known as a writer on the economics of the building industry, in this issue. He discusses some of the difficulties inherent in producing any measuring-rod of the actual average rise in prices since 1939; for instance, it has to be stressed that the prices paid by contractors on site may vary very considerably from published prices, or even from controlled prices, since there is always a certain amount of leakage that is not controlled. Let us be frank about it; with present information anything like the "true" average rise in prices since 1939 for the whole country cannot be assessed. This does not mean, however, that there is no sense in trying at least to summarize the information that is available, and this is precisely what Mr. Bowen's new index-numbers are intended to do. They show, in summary form, the rise in price-quotations since 1939, and though they may considerably understate the rise actually paid by some builders, they give a broad idea of the direction in which prices are moving.

The actual level of materials' prices (67 per cent. above pre-war) is to be compared with a rise of 72 per cent. in wholesale prices generally, of 53 per cent. in craftsmen's wages, and 63 per cent. in wages of the unskilled; but, for the reasons mentioned already, this comparison may be deceptive. The more important point is the steepness of the rise in building materials' prices since the beginning of 1945, and indeed since the third quarter of that year. How long can Mr. Bevan hold down the ceiling price of new houses if this upward trend continues?

The rise in prices must not be taken as indicative only of the desire of materials' producers to cash in on the present high demand. No doubt before raising any of their quotations they have had to consult the Government (presumably the Ministry of Works) and state their case, and, presumably too, their case has been convincing. Wage costs and fuel costs have been rising too. Nevertheless, the present position cannot be accepted with equanimity; it affects the whole future of the building programme.

After the last war there were steep and prohibitive rises in the cost of building materials. They were a major cause both of the high-subsidy policy and of its breakdown. Is history going to repeat itself? Building materials in December, 1918, were 110 per cent. above the 1914 level; by July, 1920, they were 170 per cent. above the 1914 base. But this rise

was a part of the general inflationary rise in prices all round, it may well be argued, and this time our finances are in better order. Unfortunately, we cannot be too sure that a deficit of 1,000 million pounds or so (as the deficit on the budget stands this year if War Damage payments and EPT refunds are included) is not going to provide a stimulus to the further upward trend in prices generally. Naturally and inevitably the building materials' industries are wide open to any such influences, embodying as they do a large labour-cost and coal-cost element. Tendering to a fixed price will become more difficult, and where abandoned, the variations will be large.

Certainly this question of £ s. d. deserves the Government's earnest attention, not only in relation to building, but to the whole body politic. Costs are indeed the essence of the reconstruction programme as a whole, and if uncontrolled may seriously injure our international as well as domestic recovery. Meanwhile, we may be doing some service in presenting a new quarterly index of building prices which will provide an indication of the situation and a means of assessing how far any attempt to stabilize prices meets with success.



The Architects' Journal

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

## WOT, NO CRYSTAL?

In the row that is raging in private and public, in drawing office and studio, in the unwitnessed whispers of the study, and in the open clamour of the Press, over the choice of the winners in the Crystal Palace Competition, it is surprising how little has been said about structural technique and use of materials in the designs. Not even by the rebels. This is rather strange since they should know better than others that character in architecture in both plan and elevation springs direct from the honest and imaginative use of

materials with all their inherent restrictions and possibilities.

What a chance in this job of designing for the freedom and lightness of steel or reinforced concrete in combination with glass, and so developing that exciting use of the new materials which Paxton, among others, innovated. One of the designs on show at the Building Centre, that by Entwistle and Arup in its dominating pyramid of concrete and glass seems to be among the very few to make use of our most poetic material to an extent sufficient to deserve the name of Crystal Palace.

But what poet could be sincerely roused today to sing of any of the winning designs as Thackeray was when he wrote of the Crystal Palace in his May Day Ode of 1851:—

A blazing arch of lucid glass  
Leaps like a fountain from the grass  
To meet the sun.

## FLYING VISIT

No traveller can approach a foreign city—however beaten the track which leads to it—without a lifting of the heart, an excitement which for those of us who have been six years captive on these shores, has to-day a particular sharpness and delight. Lucky enough last week to have a day in Paris, I

found the experience unexpectedly moving, and fell instantly a victim to what Koestler calls French 'flu. You remember the symptoms, by which "the balanced cautious sceptical man is lured to unconditional surrender of his critical faculties . . . a word like *bouillabaisse*, *patrie* or *midinette* is enough to produce the most violent spasms: the eyes water, the heart contracts in bitter-sweet convulsions, the ductless glands swamp the bloodstream with adolescent raptures . . ."

Koestler was, of course, writing of the effects of French literature. I find the effects of French urban scenery are equally disturbing—the narrow blistered shutters, the faded elegant lettering stencilled on masonry, the lyrical colour scheme of leaf green, pearl grey and washed-out blue, and—for the ear—the quick slapping of pavé against the tyres, and the high thin foreign note of every siren whistle and horn.

Paris is traditionally the most familiar foreign city to the Briton, and spring-time is the orthodox season for visiting it. I need only say that I found it physically as exciting as ever—a city of preposterous coiffures and wedge heels, trundling Metro and few buses, thousands of awnings but few seated beneath them; a city strangely subdued after dark, ill-lit, shuttered, silent, except for a few horse-cabs clattering back with a load of G.I.'s from the Place Pigalle; a city short of bread, of milk, sugar and beer, but rich, if the



The bust of Joseph Paxton which stands in the Central Avenue of the Crystal Palace grounds.



*Town Major, Italy, 1945, by A.W. Warland. From the Architectural Association's Exhibition of members' war-time work overseas. See also following page.*

shop windows are a true guide, in toys and shoes and clothes.

Le Bourget—repairs to the vast new terminal building are nearly complete—was crowded with pressmen awaiting the arrival of Mr. Bevin. On the tarmac squatted the camouflaged Douglasses of the Soviet delegation, and a score of Junkers 88's (now the property of the French Air Force).

Peering from the green-painted belly of a DC3 I was struck by the smallness of Paris and the emptiness of French roads, by the frequency in the Somme Valley of compact villages and the scarcity of poplar avenues, by the devastation of Boulogne, the tell-tale eruption of craters round every airfield and level crossing, and by the pleasantly undeveloped greenness of the Northern Coast.

Rain was sweeping England, shining on the elaborate geometrically patterned roofs of county asylums, and the scores of Portal houses with which every town seems now to be provided; it drummed on the walls of the temporary terminal building at Northolt. But, nice as it always is to be back, the eyes did not water this time, nor did the ductless glands swamp the bloodstream. The 'flu was over with the flight.

#### ANNUAL REPORT

The Annual Report of the National Council of Social Service for 1945 makes interesting reading, if only because of the extraordinary wide range of the Council's activities. Basically the Council exists to "promote an effective partnership between the machinery of Government and the voluntary activity of the community"; in other words, nothing barred. At one point the Report is almost apologetic about the multiplicity of its interests. But one of the difficulties of modern life is the finding of the right water-tight compartment. To find a whole vessel which proclaims that it has no water-tight compartments is a joy.

The Council has two specific appeals to the architectural profession, its interest in community centres and in village halls. Before the war over 600 village halls had been built with funds provided from various sources. Now the Carnegie Trust has set aside another £100,000 for this object, to be spent in the next five years. The importance of the village hall in the country and of the community centre in the town can hardly be exaggerated.

Their use when built is plain enough, but their very appearance is important. In many areas they will stand alone as an example of non-domestic housing. They will be the one chance that many areas will have of seeing something that can be new in design, that can break away from the rigid limitations of a Ministry of Health specification. I should like to see the RIBA offer to the Council the fullest possible assistance in making village halls and community centres outstanding examples of what we can do, particularly of what we can do for comparatively little money. At the moment, in many parts of the country public buildings fall into two groups, the non-conformist church hall of the 'eighties and the luxury cinema of the 'thirties. There are other alternatives. The profession must see that they are built. The National Council of Social Service provides a very suitable vehicle for reaching that goal.

ASTRAGAL



## LETTERS

*David de R. Aberdeen,  
B.A., F.R.I.B.A.*

*G. B. J. Athoe,  
Secretary the Incorporated Association of  
Architects and Surveyors*

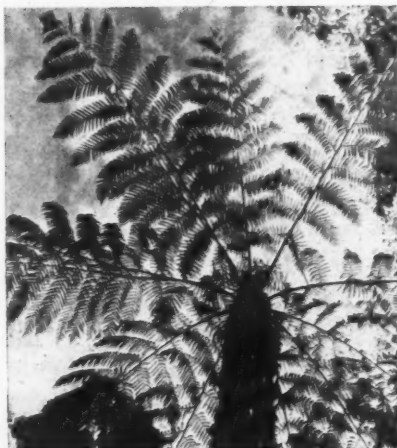
*Francis C. Eeles, O.B.E., D.Litt.,  
F.S.A.Scot., F.R.Hist.S.,  
General Secretary, Central Council for  
the Care of Churches*

### Crystal Palace Competition

SIR.—"The world has gained no building worth having by competition because: (1) The jury itself is necessarily a hand-picked average. Some constituency must agree upon the jury. (2) Therefore the first thing this average does as a jury, when picked, is to go through all the designs and throw out all the best ones and the worst ones. This is necessary in order that the average may average upon something average. . . . The net result is a building well behind the times before it is begun." Thus Frank Lloyd Wright on competitions in general. A little distorted, perhaps, but how aptly and fairly the comment could have been made of the Crystal Palace Competition. Indeed, public statements by some of the assessors confirm this comment. Sir Kenneth Clark, for example, reported in a national Daily as saying, "the prize (winning) had not been awarded to a great pioneer work or for the best design architecturally. It had been awarded for the best layout for a good workable building . . . etc." The operative word is "good"; and is very much a matter of degree of personal opinion. Scrutiny of the drawings of the presented schemes will give many furiously to think that this "good" is euphemistic—like "fair" on the schoolboy's report, which simply means more than somewhat b.a.—below average. This brings us to the crux of the matter. There is a vigorous spirit in contemporary architecture and planning. Any planner or architect who deliberately ignores it, or worse still, attempts to stifle it, is doing a grave disservice to his art. The competition system offers one of the few opportunities for all that is best in



## FORCES ARCHITECTS EXHIBIT



From the exhibition, at 36, Bedford Square, W.C.1, of overseas work done by members of the Architectural Association whilst in H.M. Forces. Top, Baghdad Boat-builders' Quarters, by R. V. B. Leacroft. Centre left and right, photographs of Blue Gum and Tree Fern, N.S.W., by Brian Westwood. Bottom right, Bangalore, India, by Oliver Cox. Bottom left, Baluchi Graves, by Andrew Carden. The exhibition will remain open till June 1.

contemporary planning and design to be carried forward beyond the paper stage. Assessors must not be allowed to form a bottleneck to this translation. If architects who are baffled or shocked about forward looking design are to remain on assessing panels they should be fairly balanced by others who are not gyroscopically immobile in their vision.

Drastic revisions in the whole system of competition assessing and appointment of assessors is essential and long overdue. The Crystal Palace Competition has shown that it is now most urgent.

London

DAVID DE R. ABERDEEN

## Tree Pruning

SIR.—A recent orgy of "tree pruning" by local authorities and others can only be described as wanton vandalism. Should tree pruning be really necessary, it should obviously be done by experts, or under expert direction, and in the autumn or winter and not by incompetent labourers in spring or when the trees are in leaf.

The present spate of tree lopping is incomprehensible if only because it is being done at the present time when the trees are in leaf, a practice which always results in great physical strain on the natural resources of the tree and sometimes even kills the tree.

A particularly bad example has just occurred in a N.W. suburb, where the trees, London planes, have been brutally lopped into mere caricatures. The excuse may be offered that this piece of vandalism was necessary to afford better lighting for some of the houses adjoining the road, but it would be a poor excuse because the damage has been extended to trees further along the road where there are only open fields. One explanation which I have heard is that the destruction has been undertaken to give employment to returning labour from the forces.

Almost anywhere one goes in London at the present time one can see the effects of some official's ignorance or incompetence, and drastic action must be taken to prevent the few remaining amenities of London from being destroyed.

G. B. J. ATHOE,

Secretary,

the Incorporated Association  
of Architects and Surveyors.

London

Lighting and Heating  
of Churches

SIR.—In your review of the pamphlet on *Lighting and Heating* recently issued by this Council, it is stated that, "on reading this pamphlet, however, one gets the impression that all is well with the lighting and heating of churches, and that new ideas are definitely not wanted."

I should like to emphasize very strongly that this is not the opinion of the Central Council. New ideas and new methods are very much wanted; but without adequate experience of their safety and efficiency in church buildings, which present many unique difficulties, and with the shortage of reliable materials and labour, the Council feels it necessary to advise caution at the present time. Any really new heating or lighting proposals would be welcomed and investigated by my Council.

FRANCIS C. EELES,  
General Secretary,  
Central Council for the  
Care of Churches.

Dunster



The author of our monthly feature on Housing Statistics here subscribes the first of a quarterly series on the price index of building materials. This is a new index, which is based on more comprehensive data than other indices so far published. The author gives the proportionate "weights" assumed for the different materials, and from these he works out a War-Time Index for each quarter from 1939 to 1945 as well as a Peace-Time Index from 1945 to the present time. Both are based on the figure of 100 for August, 1939. They are also shown graphically. He concludes by explaining the meaning of these indices and warns readers of the premises and exceptions that must be made when the index is put to practical use. This new index, however, should be valuable not only in showing the general trend of prices, both as a record of the past and a warning for the future, but as a guide to approximate estimating in the present.

## A NEW INDEX NUMBER of BUILDING MATERIALS PRICES

[by Ian Bowen]

### PURPOSE OF AN INDEX

One of the key figures in discussions on housing and building costs is the average percentage change in the cost of building materials. There are several index numbers compiled, of which the best known is that of the Board of Trade. The Board of Trade index is based on 22 quotations. The weights on which it is worked out were chosen as appropriate to all building work done in 1930, and the weights are:—

Iron and steel .. 3	Bricks and other clay products .. 2	Stone .. .. 1
Timber .. .. 2	Slates and tiles .. .. 1	Glass .. .. 1
Paint .. .. 3	Cement, sand, lime .. .. 2	Lead and earthenware .. 1
Total .. .. 16		

The Board of Trade index gives the geometric mean of the percentage increases in price.

The case for producing a new index is, firstly, that many items, and classes of item, are unrepresented in the Board of Trade index, and also in non-official index-numbers. Secondly, weights more appropriate to up-to-date conditions give a new index greater relevance to present-day problems. Thirdly, sometimes it is more appropriate to study changes in an aggregative index than in a geometrical average of price movements. Each of these three points has been met in the new index shown below.

### QUOTATIONS USED

Forty-four price quotations have been used. They include the following commodities:—bricks, cement, timber, lime, roofing tiles, roofing slates, patent plasters, sanitary ware, drain pipes, heavy steel products, asbestos cement pipes and roofing sheets, cast iron pipes, heavy tubes and bends, lead piping, galvanised corrugated roofing sheets, glass, paint, hardcore and aggregate, locks, screws, wire nails, ball valves, hot and cold water tanks, slow combustion stoves, manhole covers, glazed tiles, roofing felts, granite chippings, and linseed oil. For some commodities, such as sanitary ware, several quotations have been used. The sources of the quotations are lists commonly used in the trades concerned, or published in the technical journals.

It should be noted that even these 44 quotations do not form a comprehensive list of all the materials and components used in the Building Industry. Each has been chosen, after consultation with technically informed persons in the building materials' industries, as being reasonably representative of the class of goods concerned. Thus the quotation used for sinks stands for various sizes and types of sink and not only for the particular size and type to which the quotation relates. This is a reasonable method of approach provided that changes in the prices of the different types occur at approximately the same rate as changes in the price actually quoted.

Naturally, some of the quotations are easier to obtain than others. They have all been taken from published information recognized in the trades concerned, or from Government publications where prices

are officially controlled. In the main the actual quotations used refer to goods bought in relatively small quantities, but here again there should be no error arising provided that the prices of goods purchased in larger quantities move at the same rate as goods purchased in small quantities. Any suggestions from individuals or associations in the various industries of alternative or better sources of information would be very welcome, provided that it is realized that, for an index of this kind to be useful, the source of information must be publishable and circulated at regular intervals. The 44 quotations used are undoubtedly as good as can at present be obtained from published material. By covering many more items than the Board of Trade, allowance has been made for movements in important classes of commodity that otherwise are not included, and the important point in this connection is that the costs of material in a building consist, apart from tiles, timber, steel and cement, of a large number of items each small in itself, but in total amounting to a large percentage of the cost. Many of these items are the products of separate industries, or branches of industry, and their costs do not necessarily move in harmony with the costs of the heavier materials. Among the 44 quotations is included a representative price for all the important trades and industries that supply materials for building.

### WEIGHTS CHOSEN

Two sets of weights have been worked out for the new index numbers. The first set were those appropriate to war-time types of construction; the second set those appropriate to current types of construction in the period July, 1945-June, 1946. To arrive at the first set of weights a study was made of the war-time outlay on different types of construction, and the war-time output of the principal building materials, as published in *Statistical Tables relating to the Building and Civil Engineering Industries* and the current *Monthly Digest of Statistics*; a similar study was made from the latter source for current outputs.

The basis of the weights is the proportion of the total gross value of output of materials ascribable to each material. Although the estimates of gross value of output of materials cannot be very accurately assessed, it is thought that the relative proportions arrived at by studying output and prices and checked in relation to the materials entering into various types of buildings, are reasonably reliable. The resulting weights for the war-time index, as applicable to the price data for 1939, were as follows:—

Bricks .. .. 6.9	Glass .. .. 2.5
Cement .. .. 16.7	Paint .. .. 5.2
Timber .. .. 3.1	Hardcore and aggregate .. 18.0
Lime .. .. 1.8	Locks .. .. 0.9
Roofing tiles .. .. 1.7	Screws .. .. 1.0
Roofing slates .. .. 0.8	Wire nails .. .. 0.8
Patent plaster .. .. 1.0	Ball valves .. .. 0.8
Sanitary ware .. .. 2.4	Cold-water tanks .. .. 0.4
Drain pipes .. .. 1.8	Hot-water tanks .. .. 0.8
Heavy steel products .. 18.8	Slow combustion stoves .. 0.7
Asbestos cement rainwater and soil pipes .. 2.0	Manhole covers .. .. 0.8
Cast iron rainwater and soil pipes .. 1.9	Roofing felt .. .. 2.1
Cast iron tubes and bends .. 1.9	Granite chippings .. .. 1.2
Lead piping .. .. 0.8	Linseed oil putty .. .. 0.7
Asbestos cement roofing sheets .. 0.9	
Galvanised corrugated roofing sheets .. 1.6	Sum of weights .. .. 100.0

On the basis of these weights a War-time Materials Index has been calculated.

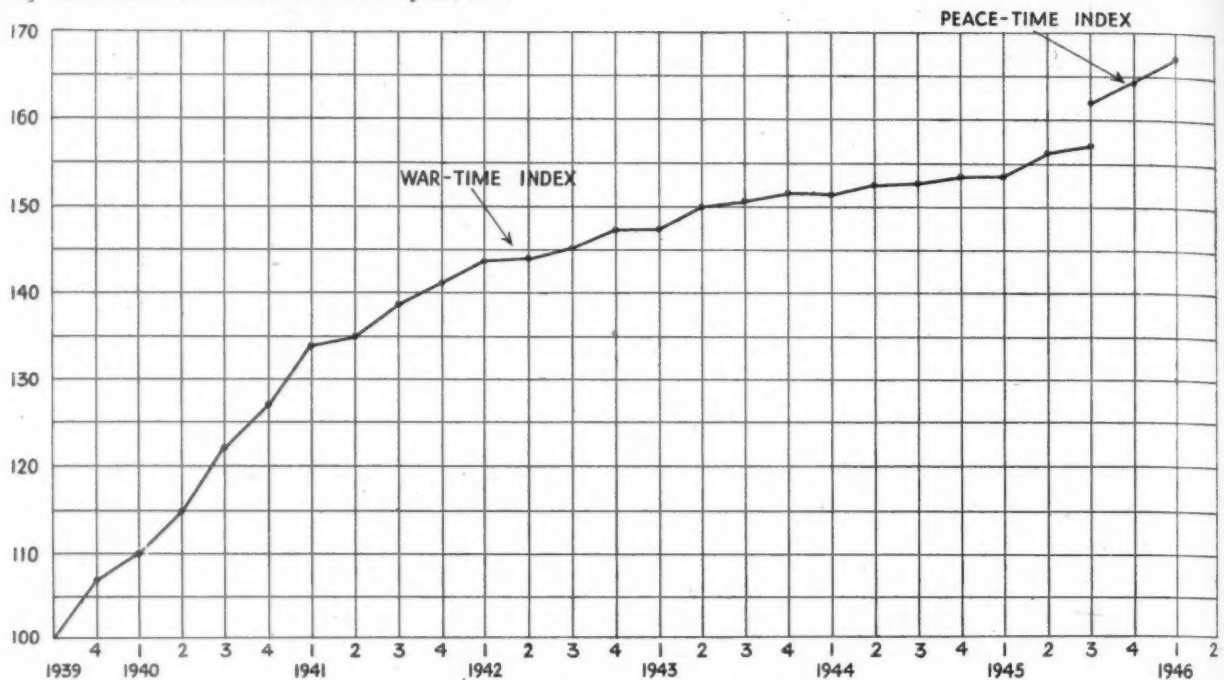
The second set of weights, calculated on the basis of the programme now running (see Tables 72 and 73 of the *Monthly Digest of Statistics*) is the basis of a second index number, starting in the 3rd quarter of 1945, which may be called the Peace-time Materials Price Index. The weights are:—

Asbestos cement rainwater and soil pipes .. 0.6	Lime .. .. 0.6
Asbestos cement roofing sheets .. .. 5.8	Linseed oil putty .. .. 0.3
Ball valves .. .. 0.3	Locks .. .. 6.7
Bricks .. .. 4.8	Manhole covers .. .. 1.1
Cast-iron rainwater and soil pipes .. 2.5	Paint .. .. 7.6
Cast-iron tubes and bends .. .. 0.6	Patent plaster .. .. 2.1
Ceiling distemper .. .. 0.4	Plasterboard .. .. 4.7
Cement .. .. 13.8	Roofing felt .. .. 2.4
Cold-water tanks .. .. 0.4	Roofing slates .. .. 1.8
Drain pipes .. .. 2.3	Roofing tiles .. .. 0.2
Galvanised corrugated roofing sheets .. 0.8	Sanitary ware .. .. 2.5
Glass .. .. 5.3	Screws .. .. 0.4
Glazed tiles .. .. 3.6	Slow-combustion stoves .. 0.2
Granite chippings .. .. 0.3	Timber .. .. 6.7
Hardcore and aggregate .. .. 13.5	Wire nails .. .. 0.3
Heavy steel products .. .. 6.0	
Hot-water tanks .. .. 0.6	Sum of weights .. .. 100.0
Lead piping .. .. 0.8	

In comparing the peace-time with the war-time weights, it should be borne in mind that the cessation of the runways programme on aerodromes, and the construction of hangars, etc., has affected the amount of cement, aggregate and constructional steel needed very considerably. The peace-time weights include an allowance for plasterboard, so the percentages for the other items cannot be quite comparable with the war-time percentages.

The peace-time weights will clearly need revision from time to time, as the housing programme develops, and as more exact knowledge of the proportions of materials actually used in the programme becomes available. But although the weights must be regarded as provisional, probably no useful revision of them can be undertaken for some time, and any slight revisions would in any case not affect the resultant index number very much.

Briefly, the peace-time index as at present constituted gives an



Graph showing the index of building materials prices from 1939 to the present.

indication of the average rise in the price quotations of building materials in relation to the current output of the industry, as compared with the prices of a similar output of materials pre-war.

#### WAR-TIME AND PEACE-TIME INDEX NUMBERS

What this means can best be explained by reference to the figures. The war-time index in the 3rd quarter of 1945 stood at 157.4. This means that if a typical war-time collection of materials were priced according to 1939 quotations and then according to 1945 quotations, it would be found that the total prices of the same collection of materials was 57.4 per cent. dearer in 1945 than in 1939. In other words, the index has been calculated on what is sometimes called an "aggregative" basis, which means that it measures the percentage increase in aggregate outlay necessary for similarly proportioned collections of goods at different dates. Of course, theoretically, the weights should be readjusted every quarter, but it is simpler to readjust the weights only when there are major alterations in the nature of the programme.

The peace-time index, which is also aggregative, measures the percentage increase in outlay necessary in the 3rd quarter of 1945 and thereafter for a peace-time collection of materials, as compared with what those materials would have been worth according to the price quotations of 1939. It thus differs from the war-time index only in the assumption of a different proportion between the materials used, and the addition of one item.

#### RESULTS OF THE CALCULATION

The War-time Index is as follows:—

(August, 1939 = 100)

Quarter	1939	1940	1941	1942	1943	1944	1945
1st .. ..	100.0	109.8	133.9	143.7	147.8	151.7	153.4
2nd .. ..	100.0	114.9	135.1	144.2	150.0	152.4	156.5
3rd .. ..	100.0	122.1	138.8	145.7	150.7	152.9	157.4
4th .. ..	107.0	126.9	141.0	147.5	151.6	153.5	

It will be seen from studying this index on the graph that war-time materials' prices rose most steeply in 1940, and thereafter flattened out. The fall of Norway and France and the cutting off of timber supplies from the most economical sources accounted for the main part of this rise. Cement and brick prices also rose by several points in 1940. There was a continued rise through 1941, less steep than in 1940, but still steep; an advance of 10 points from the first quarter of 1941 to the first quarter of 1942. The peak of war-time constructional new work was in 1943, and the rate of increase of building materials' prices slowed down in that year. The index advanced by about 3.4 points annually from 1942 to 1945. In the spring of 1945 there was a sharper rise between the first and second quarters than there had been for five years. This was due to rises in the prices of bricks, cement and other items.

The Peace-time Index runs as follows:—

Quarter	1939	1945	1946
1st .. ..	100	160.2	165.1
2nd .. ..		162.9	167.7
3rd .. ..			
4th .. ..			

Thus, in the third quarter of 1945 the peace-time index was 60.2 per cent. above pre-war, as compared with a rise of 57.4 per cent. in the war-time index. Peace-time construction involves a greater use of timber which has risen far more steeply in price than any other building material.

It is interesting to note the angle of the peace-time index on the graph. The rate of advance in price quotations since the third quarter of 1945 has been steeper than during the war years 1942-1945. It is of the greatest importance to the building industry to know how soon this rise in prices will flatten out. At present the peace-time index is rising at the rate of 10 points a year.

#### MEANING OF THE INDEX

Interpretation of this index demands special attention to the quantities that are being measured. The rise shown in the percentage increase in outlay that would be incurred by a builder purchasing goods in 1945 as compared with his outlay for the same goods in 1939, and assuming that he bought quantities in proportion roughly equivalent to the total quantities of materials produced in the period 1945-6.

This percentage increase in total outlay is related to published or trade list prices. As stated above, the assumption made is that the builder's purchases will be at prices that have risen commensurately with the rise in the published prices of relatively small quantities and the movement measured is from August, 1939, to the middle of each quarter for later years.

In actual fact, published prices for small quantities in 1945 are probably a fair representation of the level of actual prices paid, apart from usual trade discounts for large orders, for cash payments or for collection of materials by the builder's own transport. But the published prices for August, 1939, cannot be said to be representative in the same degree. A careful enquiry to firms and local authorities engaged in large-scale purchases in 1939 has shown, although publishable data are not available, that in general the actual prices paid in 1939 were frequently much more favourable to the purchaser than is indicated by the movement we have measured. There were special advantages obtainable by what Adam Smith called the Higgling of the Market. Large orders for bricks or timber were frequently placed at prices well below the listed rates we have had to use as a basis of our index.

If allowance is made for these possibilities, then it would seem that prices delivered to sites in the London area for materials for large-scale housing schemes more than doubled between August, 1939, and November, 1945. No exact figure can be given, but an average of 100-120 per cent. increase is commonly quoted. Thus, our Peace-time Index based on price quotations seriously understates the rise that has taken place for the large-scale and more efficient purchasers. Furthermore, an unknown amount of materials changes hands at virtually Black Market prices.

In the absence of regularly available information on prices paid actually on site by contractors, the index number will, however, have to suffice as an indicator of trend, but the reader, especially if he is a practical builder, would do well to bear in mind that a small percentage rise (or fall) in the index may run parallel with a much larger percentage rise or fall in the average prices he has to pay for materials on site owing possibly to changes in discount, credit and delivery allowances.

Because of the great interest in the Crystal Palace Competition and of the strong controversy the assessors' choice of winning designs has aroused, and because the assessors themselves published only some 200 words of comment in their report, it has been suggested to us that a full and completely detached and disinterested report on the competition might be obtained from some respected outside source. The question arose as to who should be approached. After due consideration in several quarters, it was decided that no more representative choice could be made than Mr. E. Maxwell Fry, whose name carries weight in all camps. Moreover, he comes fresh from West Africa, and can, therefore, apply an unbiassed and objective mind to assessing the competition. Though he gives his opinions on the assessors' awards and on the premiated designs themselves, he has made his own selection of those designs that pleased him most. These, in the order with which he deals with them are:—No. 86, by P. Arctander, E. Borg, P. Bredsdorff, P. Kjaegaard and Niels Schou, of Copenhagen; No. 72, by Clive Entwistle and O. N. Arup, of London; No. 85, by Tobias Faber, Mogens Irming and Jorn Utzon, of Copenhagen; No. 26, by Dex Harrison and Ernest Steel, of London; No. 13, by Major A. G. Evans, R.E., and Italian architects; No. 23, by Minissi, Milani, Galiussi, Giovenale and Fagioli, of Rome. All the entries are on exhibit at the Building Centre, Maddox Street, until the end of this week.

## MAXWELL FRY'S REPORT ON THE CRYSTAL PALACE COMPETITION

A competition for the re-design of a Crystal Palace would under any circumstances be important. This competition is trebly so. It comes in these earliest years of trembling peace while private man is still unable to build a home, a thing of size and consequence, bearing all the marks of a national projection. Its gesture is, by invitation, to the whole world. A minister is one of its assessors; and of greatest significance, the Council for the Encouragement of Music and the Arts (the Arts Council), in the person of Sir Kenneth Clark, is there for the only possible purpose of encouraging the art of architecture.

All this from the point of view of either a native or foreign architect must have looked propitious. The conditions of competition were less so. They contain in the first paragraph an ambiguity that persists throughout. Competitors are invited to submit designs for "the layout of the new Crystal Palace and its surroundings," and though they go on to speak of "the possibilities of . . . re-establishing at an early date the Crystal Palace" the importance to the promoters of the lay-out as opposed to the buildings is nowhere clearly announced, though how to separate the one from the other is beyond my knowledge.

With this exception, and the pious hope in paragraph 21 that "the Assessors are not asking for detailed plans of any of the buildings, they wish to see a general lay-out of co-ordinated buildings," the conditions are factual in listing a combination of cultural and anti-cultural buildings of astronomical proportions, the set-up of a truly national projection.

In trying to imagine what the assessors could hope to find in framing the conditions for and judging the results of such a competition, I have inevitably to remember the original building as I

saw it shortly before it was burnt, when a group of us proudly escorted M. le Corbusier through it, and to imagine the circumstances under which Mr. Paxton—his knighthood must have followed the event—carried his revolutionary ideas into practise so early in the history of modern engineering and industrial production.

His great building was single and coherent; Paxton was not a professional architect, but a man with an idea. The Hyde Park version is thought to have been superior to the final design, but by a stroke of genius or good fortune, this was placed on the highest point of Denmark Hill and there, seen by millions of Londoners for many miles around, it winked and glistened for three-quarters of a century, and became known as the Crystal Palace. It was a landmark of very special character and can be replaced only by another, not necessarily of the same character, but of equal simplicity and vigour, and it is to be hoped, with something of the old Victorian twinkle.

Since Paxton's days architecture has strayed down many a path, but inevitably, unwillingly, but inevitably, it has come to recognise what Paxton for a moment saw clearly, that its dominant structural materials are those supplied by industry; and that its forms and spaces, as Paxton less clearly realised, are new-fashioned out of these materials and structures in contact with new types of social need.

The situation of architecture to-day is this: that its expectations of development and enrichment depend upon the prolongation of no past style whatsoever, but upon the further understanding of its contemporary structure and the social problems that meet it. No school of architecture teaches otherwise and no student would listen if it did.

The major problem this competition could hope to solve is therefore not the lay-out, but the Crystal Palace itself, the house not the gardens to the house; for as the original building dominated the lay-out and set the character of its design, so will the new one. The first interest must therefore centre where the architect's problem is most acute—in the covering of the vast auditoria and

exhibition spaces and in the design of free standing or unencumbered theatres. No architect worth his salt could turn aside from these, and the conditions were falsely optimistic in requiring "no detailed plans of any of the buildings."

This being so, and recalling the note in the conditions which states, not that the successful competitor will carry out his design, but that "his work will be placed at the disposal of whatever body may ultimately be responsible for the development of the site in the hope that it will share the views of the present promoters as to the merits of the winning design," the search for an architect and an idea becomes manifest. The failure of the competition, admitted in the assessors' report and in Sir Kenneth Clark's apologia at the commemorative luncheon, was a failure to find an idea worthy of the occasion, or one that offered possibilities of development at a later date. The review that follows continues the search.

We saw the drawings at the County Hall in the company of a student whom we found there before names of any but premiated competitors had been announced and as interested architects only.

We were looking first for an idea, as simple as Sir Joseph Paxton's, that encompassed the complete project in one and drew the lay-out within its orbit. We realised as the diversity of the programme became clear how much more difficult this was to achieve now than formerly, and that it might well be a question of relating parts of differing, or perhaps anti-pathetical character, by some common measure of quality, and by nothing more certain than a common approach to their structure.

No. 86 made us wonder whether perhaps the single idea was a possibility. It consists of one building housing at the lowest level a garage; at the next level a vast exhibition space along two-thirds of its depth; and theatres, halls, and restaurants in two levels along its other third, the auditorium and largest sports hall closing the ends. To free the exhibition hall of columns and to create a space of dazzling dimensions, six great bow-string arches in reinforced concrete are thrown over the entire



structure, the roofs of which are suspended from them exactly as suspension bridges are carried from their arches. I would not like to offer an opinion on the validity of this particular engineering solution, because I am familiar only with the idea applied to bridges using vertical wire supports and carrying only a narrow roadway, but the side view of the Golden Gate Bridge at San Francisco widens my view of the possible, and if I can accept this engineering solution I can admire a design of vigorous simplicity, a monument comparable in projection to the old Crystal Palace. Nor is this design exhausted by its central effort, its layout of gardens being in nearly every way beautiful, strongly modelled, but unaffected. Here we thought was a man and an idea worth noticing.

No. 72 first frightened us because the virtuosity of its presentation obscured what closer examination made clear. This competitor has made a study of the site conditions that is in the highest degree intelligent. He has weighed the impact of 150,000 visitors a day coming by train, bus, car and on foot in terms of each form of transport. He has noted the markedly different character of the north side of the site from the south, and coupled this with the clearly defined entertainment represented by, let us say, the Palace Trustees and the Arts Council, for there is a world of difference between an exhibition or a boxing match and a performance of Peter Grimes. This done he has made a functional division of the site into recreation, commerce, culture, repose, stadium, fun fair, zoo and park, bringing the noisier and more popular elements to the south side and the quieter to the north.

His lay-out of buildings is simple. The top of the site is occupied by the amphitheatre at the south or popular end; in the centre a great block consisting of sports halls next to the amphitheatre, exhibition halls in the continuing horizontal planes, and further halls ingeniously but quite practicably tiered within a glass-sheathed pyramid forming the centre motif of the scheme; and at the north end a cultural ganglion of theatres and concert halls, the least satisfactory feature of the design. The central pyramid defines an area which is carried down the hill to the open-air sports stadium as in the winning design, but more simply. A vast garage occupies the eastern or lower end of the main block, admirably worked out both as to detailed parking and traffic flow, but involving what appears to be heavy excavation for which no figures are supplied.

This competitor has obviously collaborated with an engineer. The section through the central pyramid supported on immense pylons below, and a very pretty system of counterpoised slabs above, is an engineering drawing that

can be understood and properly judged only by an engineer. It probably works beautifully and is certainly no more fantastic than Mulberry. But it is not conventional. It is an idea, and a very beautiful one that would undoubtedly invoke its response were it to be built. Furthermore, it sits on the magnificent base created by the garages of the lower floors, a base that steps down from the centre on the roof line and from the sides at the base; an invention both subtle and grand.

The amphitheatre with its roof carried, as the Romans carried their *velarium* over the Colosseum, on wires fixed to the outer wall, is in proper accord with the larger block, but I find the theatres unrealistic and out of time with the temperate beat of the main conception.

These two schemes are large, homogeneous and personal in the sense of having a strong individual character moving through them. No. 85 I mention because it represents a point of view and is homogeneous; but it is dreamy and emotional, without pressure or drama, completely un-vulgar, which is something, but far too resigned to be real.

There are several schemes offering partial solutions that have much to recommend them. We liked the character of No. 26, the disposition of its central masses round the amphitheatre with its redundant bow-string arches, and its use of steps and sculpture. No. 13 made the same sort of gesture, with much quiet play of levels, steps ascending and descending among quiet civilised blocks of buildings not too much overawed by a decent amphitheatre: it looked like the centre of a very lovely modern town. This and another scheme (No. 23), by Italian architects, whom it is good to welcome, are full of fine things to do with steps, though this latter scheme is a good deal cut up.

This brought our search for an architectural idea nearly to an end. The premiated schemes failed to move us because they were without exception exercises in conventions the validity of which we cannot believe in. The winning design, by standards with which the architectural competition system has made us familiar, but not made us love, is brilliant. A convention of the sort employed by the premiated designs Nos. 79 (Winning Design) and 63 (Third Premium) offers an extraordinary freedom of movement in planning because it has a large stock of minor motives, accents and expressions which have been used time out of mind in a great variety of building and spring readily to hand. It can be compared with a vocabulary that has lost strength through repetition and acquired only facility. The winner's handling of this competition vernacular is astonishingly able. I speak from old experience having used it long ago. But it could

not persuade me; and it did not persuade the assessors.

I wish I could separate in my mind lay-outs from buildings, because I could then understand the nature of the award. The lay-out of the winning No. 79 is in essence simple. He uses the top of the site as No. 72 does for all buildings except the stadium, a long, low exhibition hall, easily divisible, taking up the greater part of it. At the southern end is the amphitheatre flanked by theatres expressed as rectilinear masses attached to a central public hall rising through several floors, with a further theatre and restaurant balancing the composition on plan. At the other end of the site is the ice rink and smaller halls. The axis of the public hall is carried down the gardens in a formal lay-out until it meets the stadium, which completes the design. A large open-air car park lies to the south of a useful-looking covered way.

This highly modelled and elegant-seeming plan has a plan-pattern coherence only since the buildings that rise from it do not move together. This is especially true of the main axis block. Surface ornament is used to make good this deficiency, but being equally disposed could do little to help it.

No. 19 (Second Premium) employs a device which I find utterly discordant. What it is hoped to gain by a concertina arrangement of halls is not clear, but the disturbance of their opposing planes is evident both on plan and elevation, and could not be resolved by any sort of terminal feature whatsoever.

No. 63 (Third Premium) is built up of two elements—a long block of halls, terminated by an amphitheatre at the north end, and a crook shaped arrangement of theatres joined by tenuous links to the hall block. It is obvious that the theatres troubled all competitors. No. 79 carries them away and puts them to sleep; No. 72 wrestles with them in the open; and these last two try to chain them into submission. But there is a lot of life in theatres.

I do not propose to comment upon further schemes with less bearing upon the problem. There were only 87 designs in all, which cannot be the result of apathy, but probably because there are still many good architects in the forces all over the world, and those that have returned or are returning to practice find starting difficult and expensive. A competition of this sort takes much time and money, and can normally be tackled only when there is other work to pay the office expenses; it has come too early.

It appears from the conditions of competition that the promoters "will not necessarily be responsible for the later stages of the scheme" and this may account for the ambiguity in the terms and the award of a first premium to a

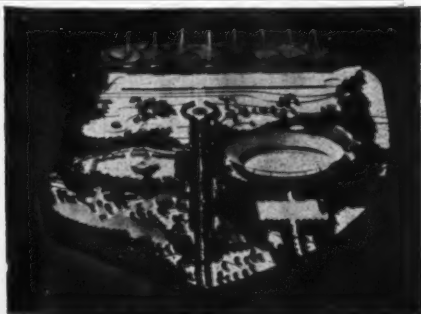
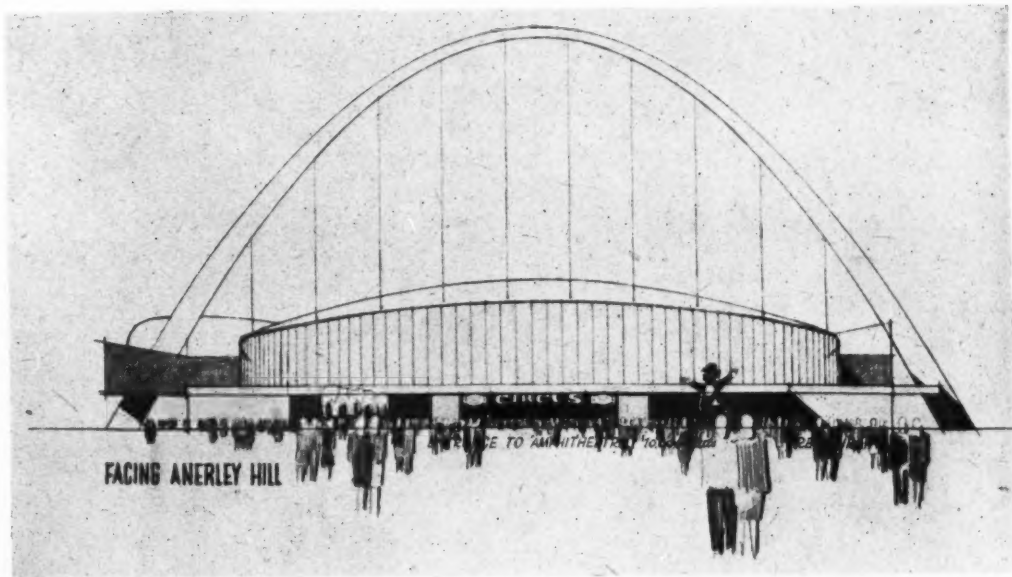
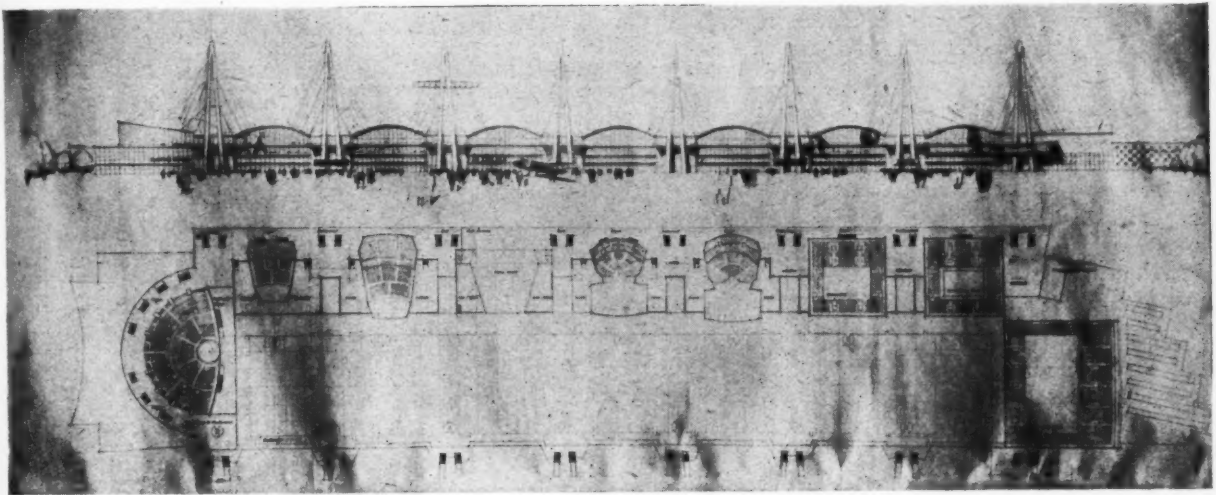


scheme, which did not combine, as was hoped, "excellence of lay-out . . . with equal merit in architectural treatment." In this case there is every hope that at a later date a further competition will be held in which the award will be made for architectural excellence, with lay-out taking its proper and subordinate place; and honour will be saved.

In this possible event I would like most seriously to suggest that the promoters do not confine the competition to architects and town planners, but open it freely to engineers, or to architects and engineers in collaboration, because the scale of the spaces to be covered is a big one, and the exercise of covering them could bring engineers

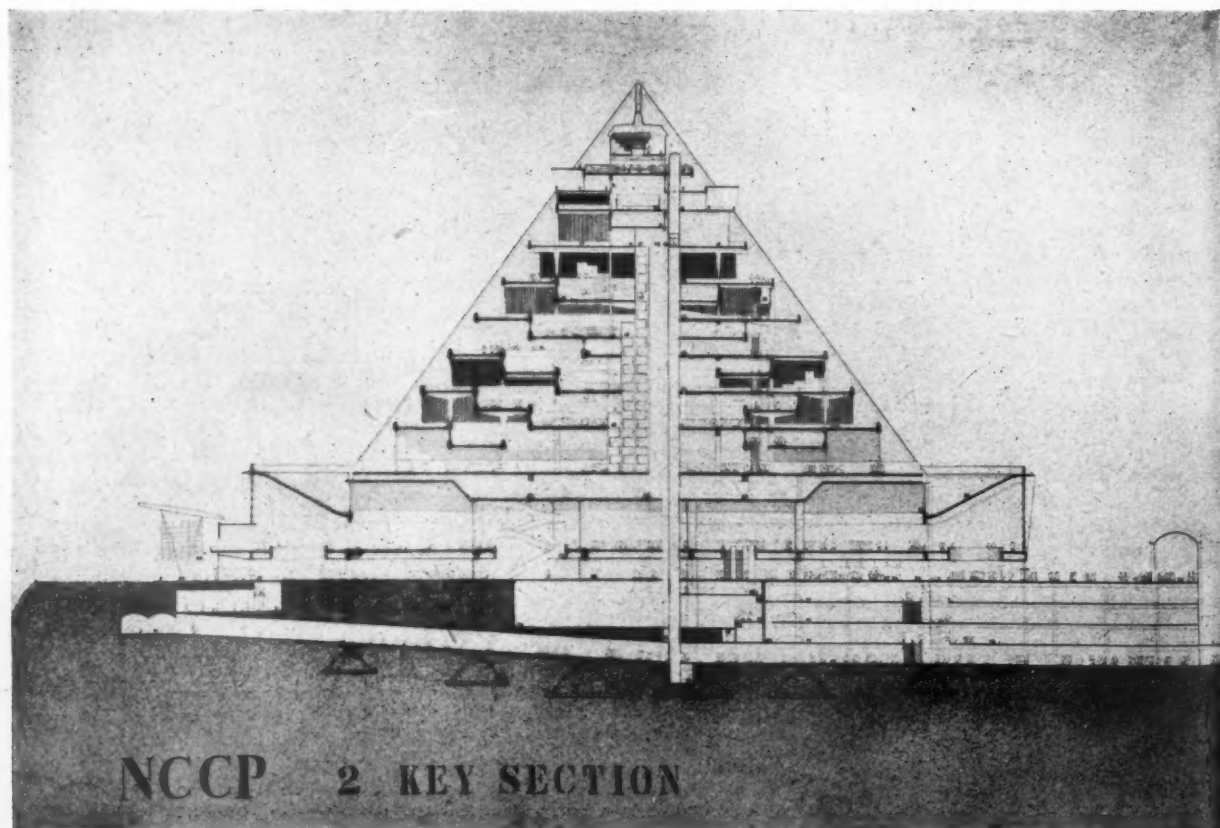
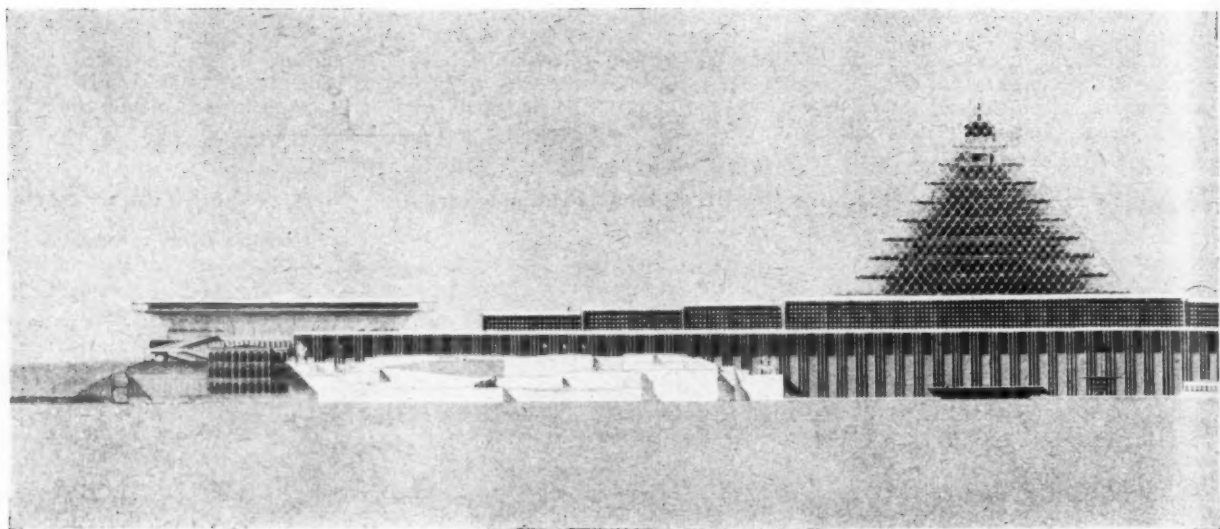
and architects together to the advantage of both themselves and the promoters. Some of the first works of architecture in the world to-day, many of them bridges of rare beauty, are the work of engineers. I am convinced that British engineering would benefit quite as much as British architecture by such a recognised collaboration.

**No. 86:** P. Arctander, E. Borg, P. Bredadorff, P. Kjaegaard and Niels Schou, of Copenhagen.



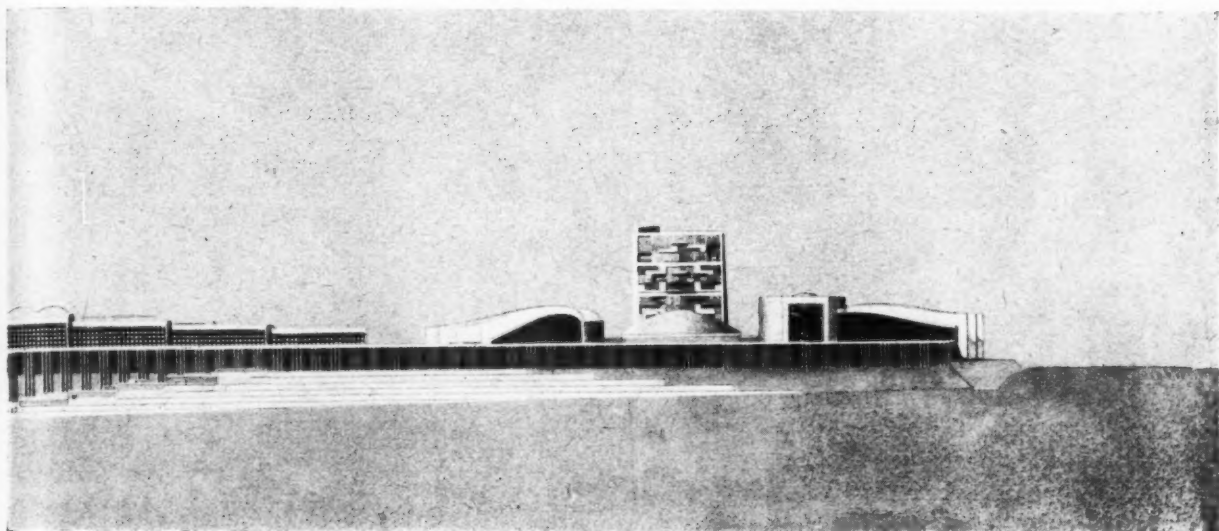
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**No. 72:** Clive Entwistle and O. N. Arup, of London.



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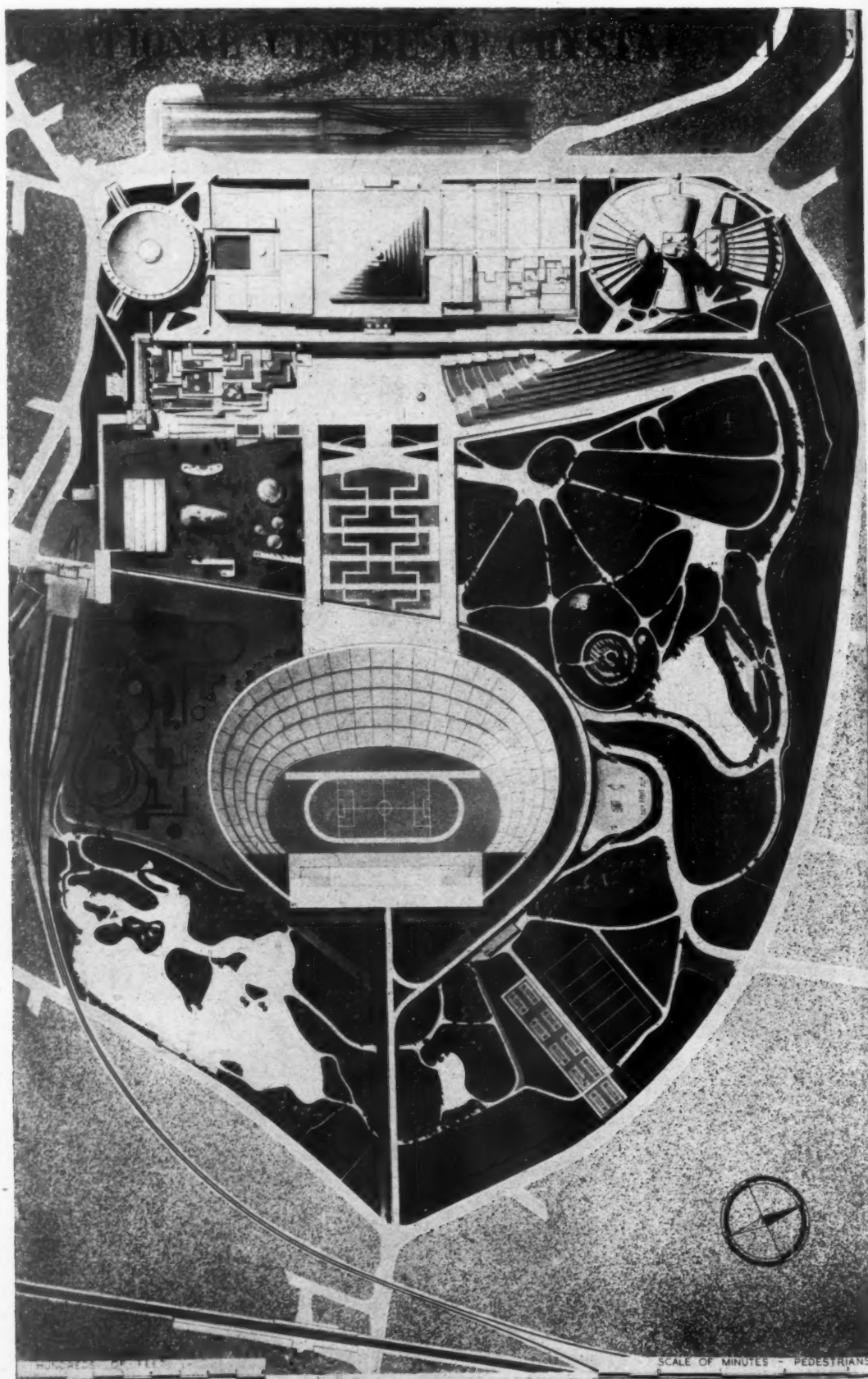


**No. 85:** Tobias Faber, Mogens Irming and Jorn Utzon, of Copenhagen.



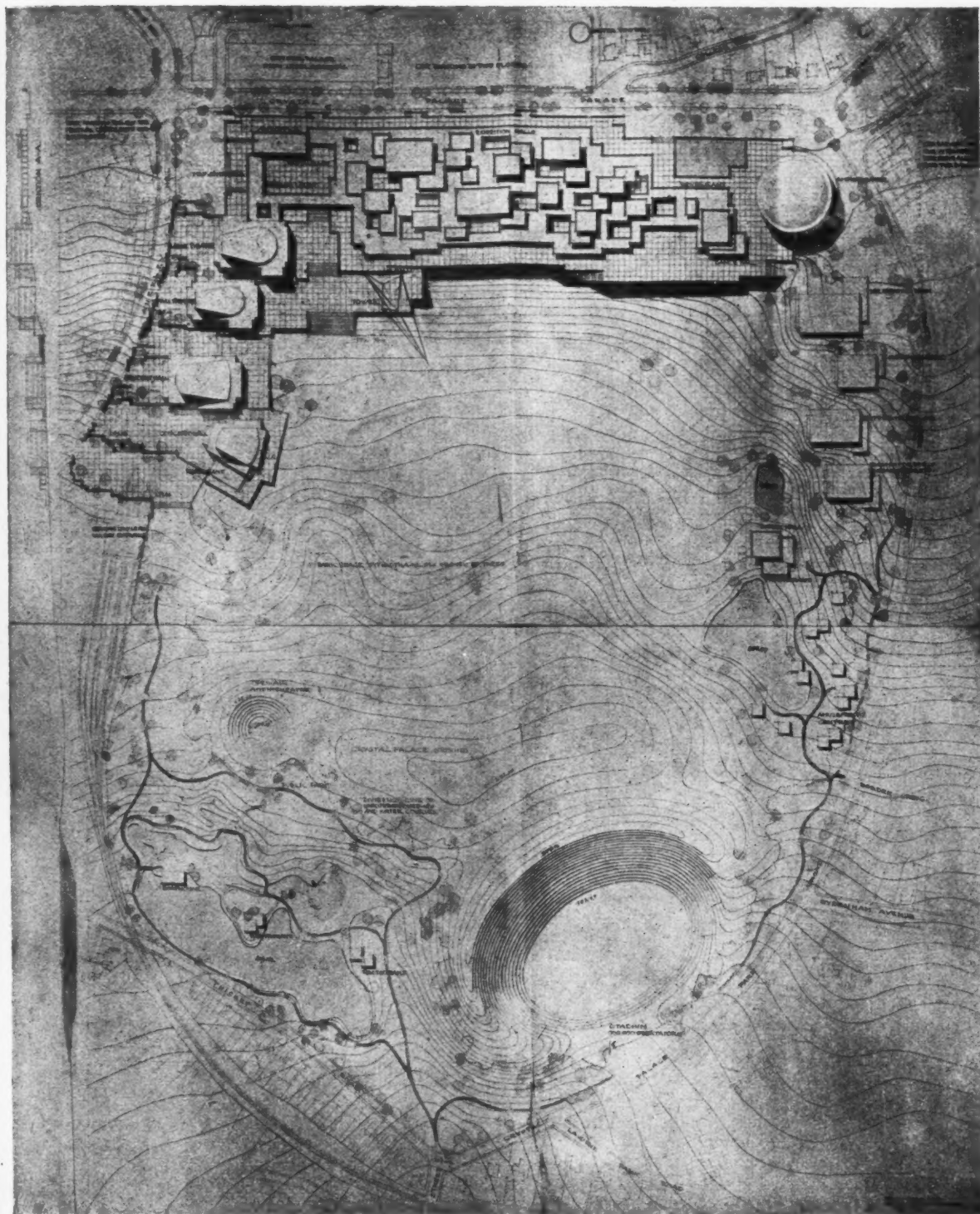


**No. 72 :** Clive Entwistle and O. N. Arup, of London.



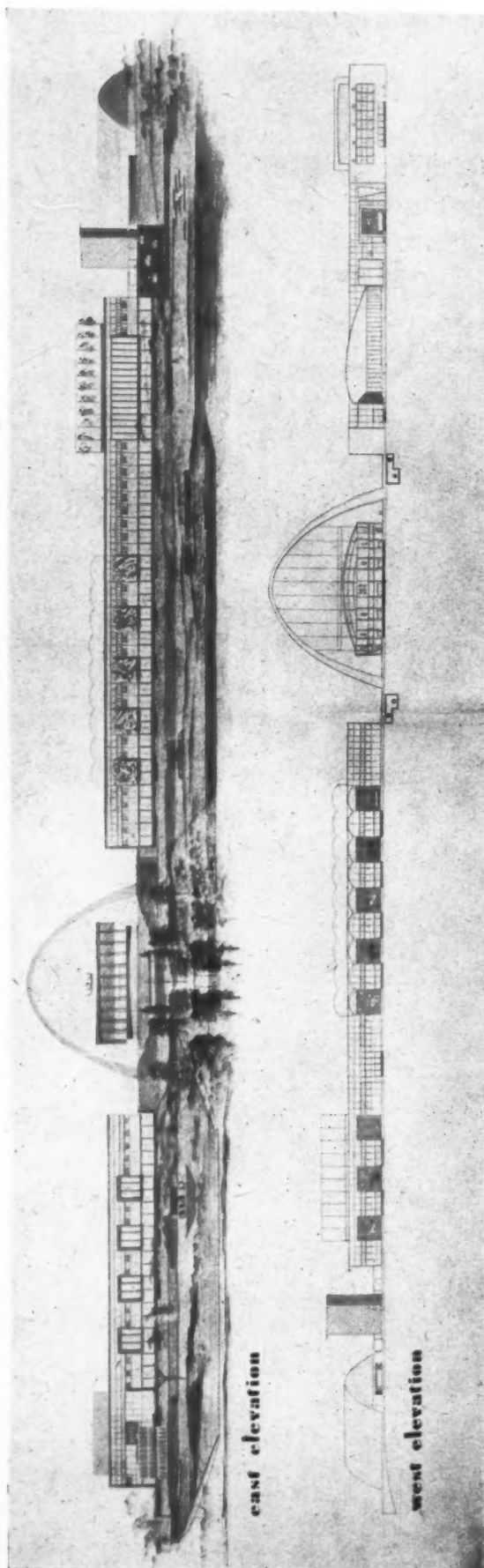


**No. 85 :** Tobias Faber, Mogens Irmig and Jorn Utzon, of Copenhagen.

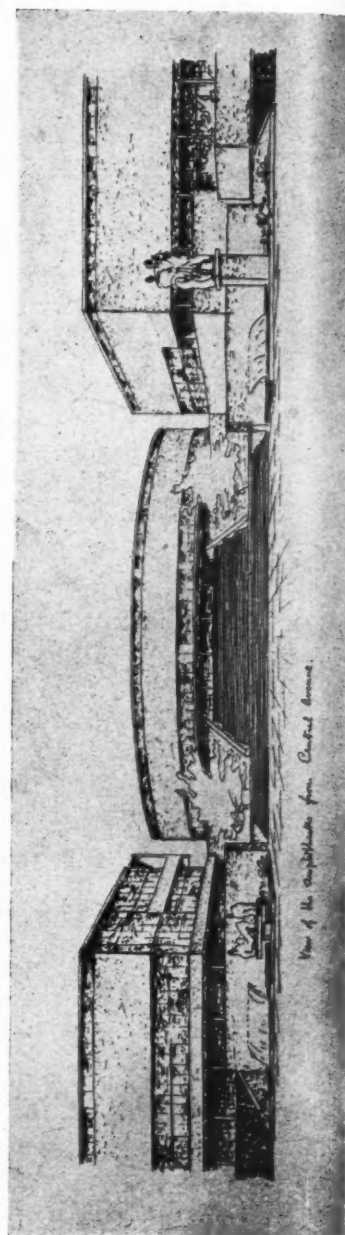


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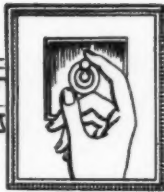
**No. 26:** Dex Harrison and Ernest Steel, of London.



**No. 13:** Major A. G. Evans, R.E. and Italian Architects



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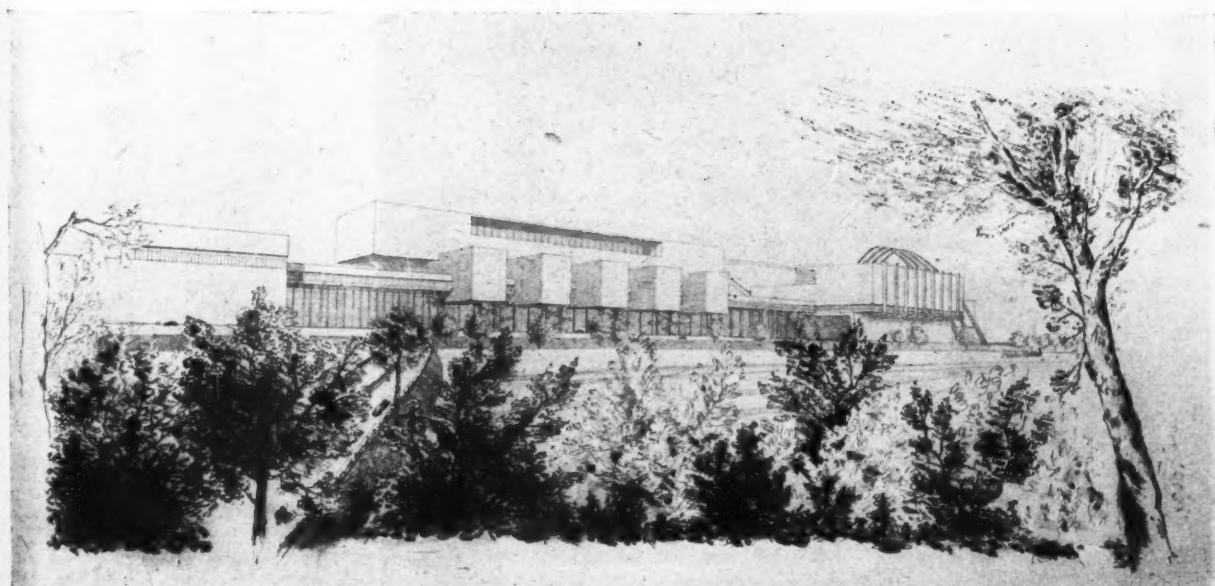
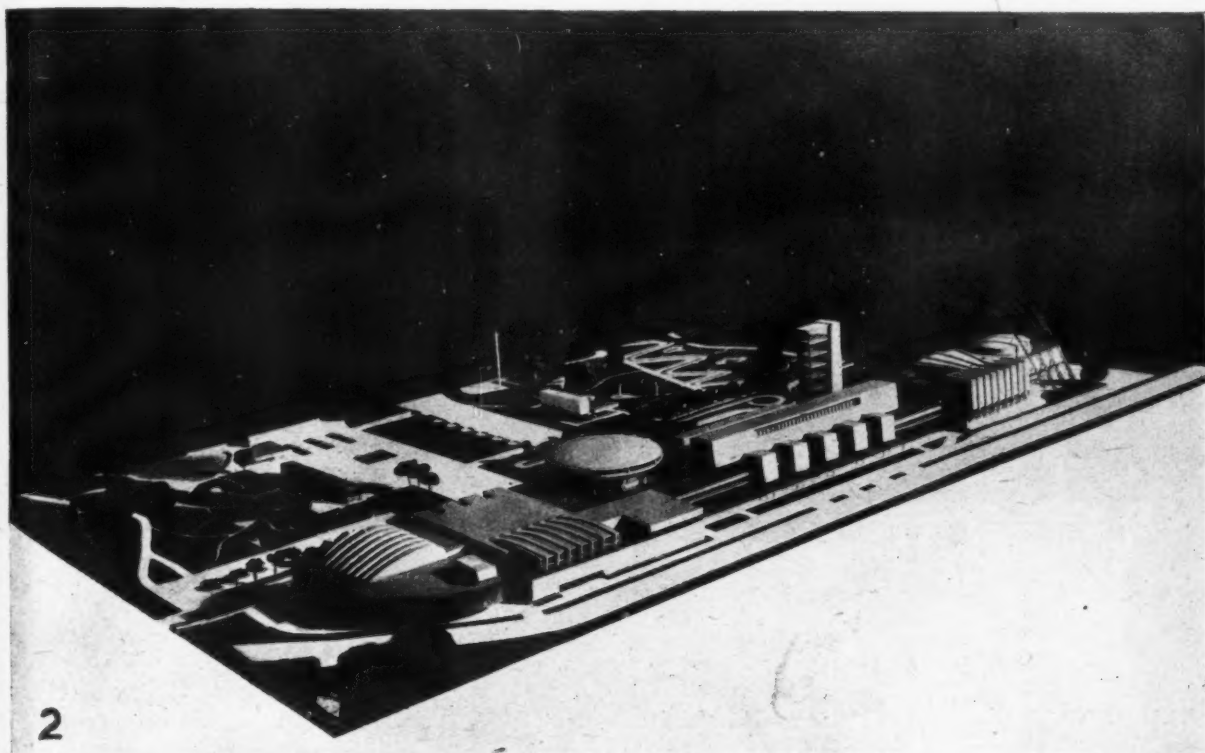
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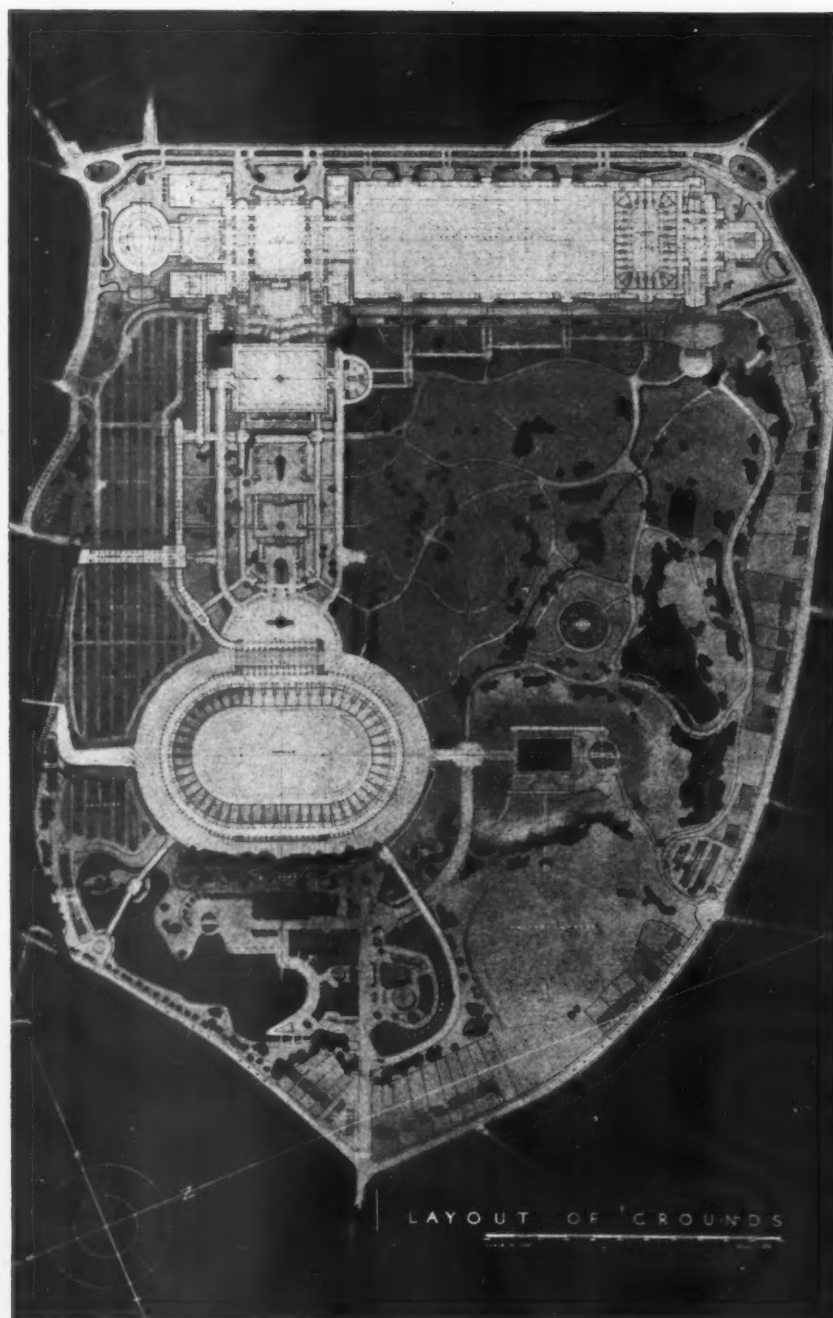


**No. 23 :** Minissi, Milani, Galiussi, Giovenale and Fagioli, of Rome.



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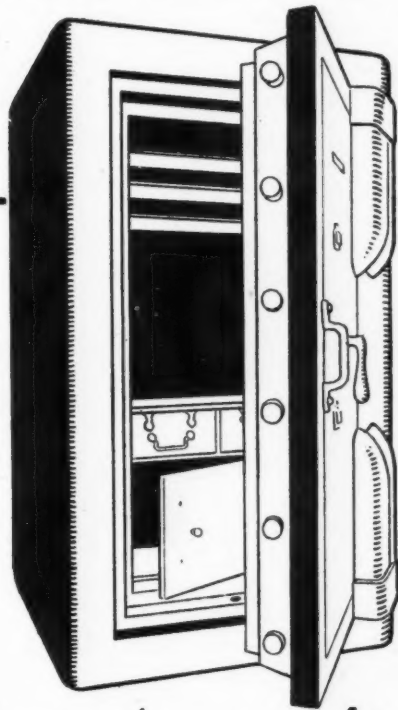
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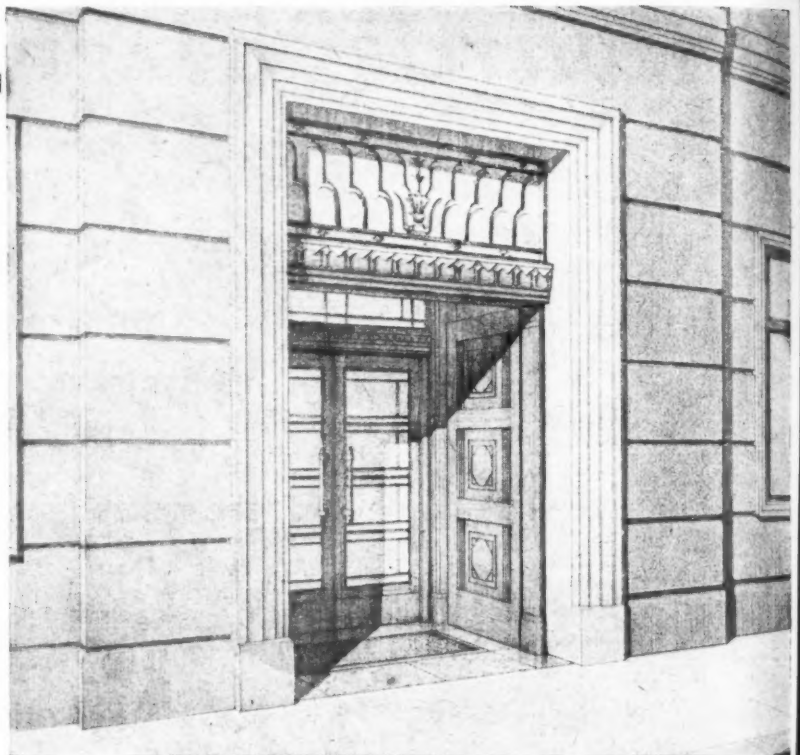
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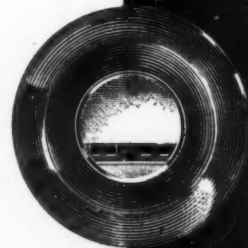
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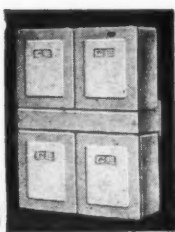


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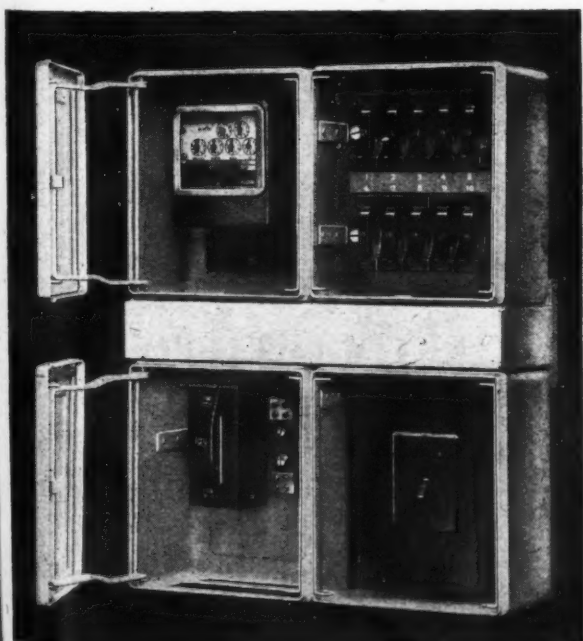
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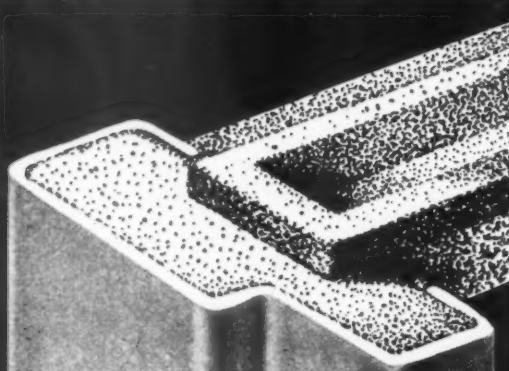
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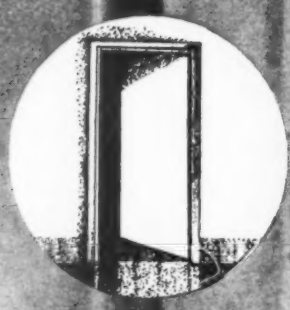
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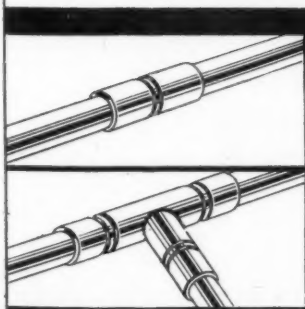
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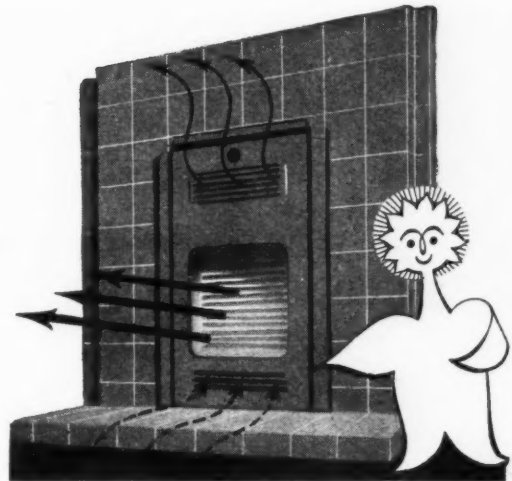
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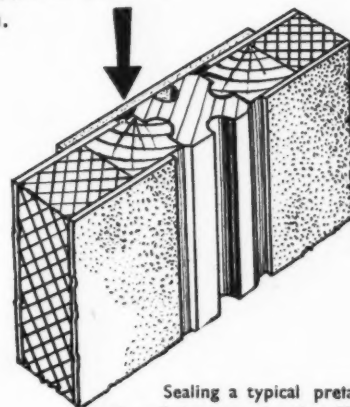
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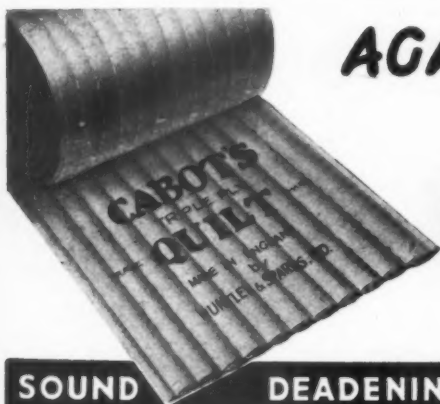
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## CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," War Address: 45 The Avenue, Cheam, Surrey, 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," War Address: 45 The Avenue, Cheam, Surrey.

## Public and Official Announcements

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

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. Address: 75, Ebury Place, London, S.W.1. Tel.: SLOANE 5615. 991

### BOROUGH OF WILLESDEN.

#### APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the appointment of—

(a) One 2nd class ARCHITECTURAL ASSISTANT, and (b) 3rd class ARCHITECTURAL ASSISTANTS, in the Borough Engineer and Surveyor's Department.

The salary attaching to the post (a) will be Administrative, Professional and Technical Grade III of the National Whitley Council Scale for the London area, namely, £40 per annum by £15's to £45 per annum, plus cost-of-living bonus. Candidates must be Associate Members of the Royal Institute of British Architects, or hold an equivalent qualification, and preferably have general knowledge and experience of architectural work in the service of a Local Authority.

The salary attaching to the posts (b) will be Administrative, Professional and Technical Grade I of the National Whitley Council Scale for the London area, namely £360 per annum by £15's to £395 per annum, plus cost-of-living bonus. Candidates must have passed the Intermediate Examination of the Royal Institute of British Architects or hold an equivalent qualification, and preferably have general knowledge and experience of architectural work in the service of a Local Authority.

The 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," not later than 10 a.m. Monday, 27th May, 1946.

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

W. T. PIRIE,

Town Clerk.

Town Hall, Dyne Road, Kilburn, N.W.6.  
1st May, 1946.

### COUNTY BOROUGH OF NORTHAMPTON.

#### BOROUGH ARCHITECT'S DEPARTMENT.

#### APPOINTMENT OF ARCHITECTURAL AND TOWN PLANNING ASSISTANT.

Applications are invited for the following appointments in the Department of the Borough Architect and Town Planning Officer—

(a) CHIEF TOWN PLANNING ASSISTANT, in the salary scale £575 × £25 to £650 p.a.

(b) TOWN PLANNING ASSISTANT, in the salary scale £460 × 15 to £510 p.a.

(c) ARCHITECTURAL ASSISTANT, in the salary scale £460 × £15 to £510 p.a.

(d) ARCHITECTURAL ASSISTANT, in the salary scale £390 × £15 to £435 p.a.

Commencing salaries according to qualifications and experience.

Applicants for appointment (a), which offers great scope, should be A.R.I.B.A., A.M.T.P.I., be experienced in the preparation of redevelopment schemes, and have a thorough knowledge of the survey work necessary to form the basis of a comprehensive town plan.

Applicants for appointment (b) should preferably be A.R.I.B.A., A.M.T.P.I., and be experienced in carrying out the general town planning duties of a Municipal Authority.

Applicants for appointments (c) and (d) should be qualified architects, with considerable design ability, and experienced in housing and constructional work. Ability to prepare perspective drawings would be an advantage.

Further particulars and forms of application may be obtained from the undersigned, to whom applications must be delivered not later than 2nd June, 1946.

C. E. VIVIAN ROWE,

Town Clerk.

669

### GLOUCESTERSHIRE COUNTY COUNCIL.

#### APPOINTMENT OF ARCHITECTURAL STAFF.

The following additional Staff is required in the County Architect's Department—

ONE ASSISTANT ARCHITECT. Salary £355 to £455 per annum, plus cost-of-living bonus, amounting at present to £60 per annum.

TWO ARCHITECTURAL ASSISTANTS. Salary £250 to £370 per annum, plus cost-of-living bonus, amounting at present to £50 per annum.

The salaries referred to above are provisional, pending the grading of the Staff in accordance with the new Whitley scales.

Applications, stating age, married or single, war service, experience and qualifications, to be submitted to the County Architect, Shire Hall, Gloucester, together with three recent testimonials, or the names of three persons from whom references may be obtained, not later than Thursday, 30th May, 1946.

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

GUY H. DAVIS,

Clerk of the Council

2nd May, 1946.

662

### THE UNIVERSITY OF MANCHESTER.

Applications are invited for the post of Temporary LECTURER IN ARCHITECTURE. The appointment will be made in the first instance for two years. Duties to commence 29th September, 1946. Commencing stipend according to qualifications and experience, but not less than £400 per annum. All applications should be sent not later than 24th June, 1946, to the Registrar, the University, Manchester, 13, from whom further particulars may be obtained.

685

### INVERNESS TOWN COUNCIL.

#### APPOINTMENT OF BURGH ARCHITECT.

Applications are invited for the appointment of Burgh Architect to be in charge of a new Department to be set up, and who will be responsible to the appropriate Committees for carrying out Municipal House Building, Housing, Planning of Layouts, and Town Planning, etc. The salary scale is £600 per annum, rising by annual increments of £50 to £900 per annum, plus War Bonus, at present £90 per annum. The appointment will be whole-time and will be subject to the Council's Superannuation Scheme, and the successful candidate will be required to pass a medical examination. Applicants must be registered Architects and members of the Royal Institute of British Architects by examination.

Twenty-two copies of application, stating age, qualifications and experience, together with copies of not more than three recent testimonials, should be lodged with the Subscriber not later than 29th June, 1946.

J. CAMERON,

Town Clerk.

Town House, Inverness.

13th May, 1946.

### BOROUGH OF SHREWSBURY.

#### ARCHITECTURAL ASSISTANTS.

Applications are invited for the following whole-time appointments in the Department of the Borough Surveyor—

(1) CHIEF ARCHITECTURAL ASSISTANT (TEMPORARY).

Salary £600 per annum (including the current cost-of-living bonus). Applicants must be fully qualified Architects, with considerable experience in the design of houses and the administration of large building contracts.

The appointment is on a temporary basis, and will be terminable by one month's notice on either side.

The person appointed will be required to prepare the designs and specifications, and generally supervise all architectural work involved in a programme for the erection of a large number of Council houses, and it is anticipated that the work will extend over a period of several years.

(2) JUNIOR ARCHITECTURAL ASSISTANT (PERMANENT).

Salary scale, £255-£215-£300 per annum (plus current cost-of-living bonus).

Applicants must possess experience of architectural work and be good draughtsmen. Preference will be given to those who have passed the Intermediate Examination of an appropriate professional Institution.

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

Applications must be on the forms to be obtained from Mr. F. R. Dinnis, A.M.I.C.E., Borough Surveyor, Guildhall, Shrewsbury, and must be received by him, together with copies of three recent testimonials, not later than Tuesday, 11th June, 1946.

S. R. H. LOXTON,

Town Clerk.

Guildhall, Shrewsbury.

13th May, 1946.

716

### COUNTY COUNCIL OF INVERNESS.

#### COUNTY ARCHITECT'S DEPARTMENT.

#### ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant in the County Architect's Department, at a salary of £400 per annum, inclusive of war bonus.

Candidates should be members by examination of the Royal Institute of British Architects, and should have had experience in the general architectural work of a Local Authority, more especially in the design of educational buildings.

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

Applications, stating age, qualifications, and present appointment, accompanied by copies of not more than three recent testimonials, should be submitted not later than 4th June, 1946, to the undersigned.

J. W. MCKILLOP,

County Clerk.

County Buildings, Ardross Street, Inverness.

711

### BOROUGH OF FOLKESTONE.

#### BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments which are subject (1) to the 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 (3) to the successful candidate passing a medical examination—

(a) CHIEF ENGINEERING ASSISTANT—Salary Grade V National Scales (£460 by £15 to £510 per annum) plus cost-of-living bonus. Applicants must be Corporate Members of the Institute of Civil Engineers or Institute of Municipal and County Engineers and have had good all-round Municipal Engineering experience, preferably to include Sea Defence Works.

(b) TOWN PLANNING ASSISTANT—Salary Grade V National Scales (£460 by £15 to £510 per annum) plus cost-of-living bonus. Applicants must hold a recognized Town Planning qualification and have had experience in the preparation of planning schemes and Interim Development Control procedure. Preference will be given to applicants with recent experience in reconstruction work.

Applications, stating age, full particulars of experience, and stating whether the applicant to his knowledge is related to any member of this local authority or to a holder of a senior office under the authority, accompanied by copies of not more than three recent testimonials, and endorsed "Chief Engineering Assistant" or "Town Planning Assistant," as the case may be, should be delivered to the Borough Engineer, West Terrace, Folkestone, by 1st June, 1946.

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

C. F. NICHOLSON,

Town Clerk.

Town Clerk's Office, Folkestone.

10th May, 1946.



## BOROUGH OF LUTON.

BOROUGH ENGINEER'S DEPARTMENT:  
TECHNICAL STAFF.

Applications are invited for the following appointments:—

(a) **ESTATES AND MAINTENANCE ASSISTANT.** Salary £500 per annum, rising by annual increments of £25 to £600 per annum.

(b) **ARCHITECTURAL ASSISTANT.** Salary £420 per annum, rising by annual increments of £20 to £480 per annum.

(c) **ASSISTANT QUANTITY SURVEYOR.** Salary £420 per annum, rising by annual increments of £20 to £480 per annum.

(d) **ARCHITECTURAL ASSISTANT.** Salary £330 per annum, rising by annual increments of £15 to £375 per annum.

The appointments will be temporary in the first instance, with prospects of transfer to the permanent staff. A temporary cost-of-living bonus, at present at the rate of £59 16s. per annum, is payable in respect of each appointment, and all appointments will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applicants for appointment (a) must have had an extensive experience in the maintenance of buildings of all descriptions and in estate work, including valuations, and be A.R.I.B.A. or P.A.S.I. The person appointed will be required to provide and maintain a car, for which an allowance will be paid at the rate of £60 per annum.

For appointment (b) applicants must be A.R.I.B.A. and have had extensive experience, particularly in the development of housing schemes.

For appointment (c) applicants must have had extensive experience of quantity surveying and be P.A.S.I. or A.I.Q.S.

For appointment (d) applicants should have made specific progress in obtaining a recognized professional qualification.

Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, should be delivered, suitably endorsed, to the Borough Engineer, Town Hall, Luton, not later than Saturday, 8th June, 1946. Canvassing, either directly or indirectly, will disqualify.

W. H. ROBINSON,

Town Clerk.

Town Hall, Luton,  
16th May, 1946.BOROUGH OF MANFIELD  
(BOROUGH ENGINEER AND SURVEYOR'S  
DEPARTMENT).

## THIRD ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment at a salary of £330—£375, plus cost-of-living bonus, at present £59 16s. per annum.

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

Applicants must be Registered Architects and preference will be given to Associates of the Royal Institute of British Architects; applicants must have had experience in the design, preparation and supervision of municipal housing schemes.

Form of application to be obtained from Mr. E. T. Crowe, B.Sc., A.M.I.C.E., Borough Engineer and Surveyor, Carr Bank, Mansfield, to whom applications, accompanied by not more than three recent testimonials, are to be delivered not later than 12th June, 1946.

Canvassing directly or indirectly will disqualify.

A. C. SHEPHERD,

Town Clerk.

Carr Bank, Mansfield,  
9th May, 1946.

## COUNTY OF DEVON.

## COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) **ASSISTANT ARCHITECT, Grade E.** Salary £530, rising by three annual increments of £20 to £590.

(b) **ASSISTANT ARCHITECT, Grade D.** Salary £450, rising by three annual increments of £20 to £510.

(c) **TWO ASSISTANT ARCHITECTS, Grade C.** Salary £393, rising by three annual increments of £15 to £435.

A cost-of-living bonus, at present £59 16s., is payable in addition to the above salaries.

Applicants should be fully qualified and have a sound experience in the design and maintenance of all types of buildings carried out by a large Local Authority.

Applications, stating age, qualifications and experience, accompanied by not more than three recent testimonials, should be sent to the County Architect, 97, Heavitree Road, Exeter, not later than Saturday, 1st June, 1946.

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

A. J. WITTHCOMBE,

Clerk of the County Council.

The Castle, Exeter,  
15th May, 1946.COUNTY OF ESSEX.  
COUNTY ARCHITECT'S DEPARTMENT.APPOINTMENT OF SECTIONAL ASSISTANT  
ARCHITECTS.

The Essex County Council invite applications for the appointment of qualified Assistant Architects to act as leaders of Sections in the County Architect's Department, to deal with work for the Education, Public Health, etc., and Standing Joint Committees' five posts in all, and to work directly under Chief Assistants.

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

The commencing salary will be not less than £575 per annum nor more than £650, and in fixing the commencing salary in each case regard will be had to the qualifications and experience of the successful applicant. There will also be paid such (if any) bonus and travelling and subsistence allowances as may be from time to time determined by the Council. The amount of bonus at present payable is 23s. per week.

The appointment will be held at the pleasure of the Council, and may be terminated by the holder of the office by two months' notice.

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

Applications must be made on a form to be obtained from the County Architect, Mr. H. Conolly, F.R.I.B.A., and returned to him at the address stated below, together with copies of not more than three recent testimonials, not later than 7th June, 1946.

The envelopes should be sealed and endorsed "Sectional Assistant Architect."

Canvassing, either directly or indirectly, is forbidden.

JOHN E. LIGHTBURN,

Clerk of the County Council.  
County Hall, Chelmsford, Essex.  
May, 1946.

## TAMWORTH RURAL DISTRICT COUNCIL.

APPOINTMENT OF ARCHITECTURAL  
ASSISTANT.

Applications are invited for the appointment of Temporary Architectural Assistant in the Engineer and Surveyor's Department at a salary of £420, rising by annual increments of £15 to a maximum of £465, plus cost-of-living bonus, at present £59 16s. per annum.

Candidates should be Registered Architects, and preference will be given to applicants who have passed the qualifying examination of the R.I.B.A. and experienced in the design and erection of small dwellings. Experience in a Municipal Office will be an advantage.

The successful applicant will be required to provide and maintain a car, for which a travelling allowance of £75 per annum will be paid.

Applications, endorsed "Architectural Assistant," stating age, qualifications, and experience, accompanied by copies of three recent testimonials, must reach the undersigned not later than 3rd June, 1946.

S. W. DEWES,

Clerk to the Council.

92, Lichfield Street, Tamworth.  
15th May, 1946.

## COUNTY OF ROXBURGH.

## ARCHITECTURAL ASSISTANT.

Applications are invited from Associates of the R.I.B.A. for the appointment of an Architectural Assistant. Only candidates with experience in surveying, levelling and the preparation of specifications and schedules of quantities in connection with housing development need apply.

Salary £330, rising to £400 per annum, with in addition appropriate war advance. Applications, stating age, particulars of qualifications and previous experience, together with one copy of each of three recent testimonials, should be lodged with the undersigned not later than Saturday, 1st June, 1946.

JAMES R. HUME,

County Clerk.

County Offices, Newtown St. Boswells.  
13th May, 1946.

## COUNTY BOROUGH OF NEWPORT, MON.

## BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following temporary appointment:—

One **SENIOR ASSISTANT ARCHITECT**, qualified Member of the R.I.B.A. by examination, and who has had considerable experience in educational and housing work. Commencing salary £474 10s. per annum, plus cost-of-living bonus.

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

Application, accompanied by three recent testimonials, must reach the undersigned not later than 3rd June, 1946.

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

Borough Architect.  
Town Hall, Newport, Mon. 713

## CITY OF WESTMINSTER.

## HOUSING MAINTENANCE STAFF.

Applications are invited from qualified persons (including persons in H.M. Forces) for the following appointments:—

(a) One **BUILDING SURVEYOR** (permanent staff). Salary £460—£250 per annum, plus cost-of-living bonus (at present £59 16s. per annum).

Applicants (not over 45 years of age) should preferably be Chartered Surveyors or Registered Architects, with Local Government experience; should have undertaken responsibility for maintenance repairs to flats and houses both by building contract and direct labour; and should be thoroughly competent in the preparation of specifications, detailed estimates and reports, and in the supervision of maintenance works and improvements to buildings.

(b) One **CLERK OF WORKS** (temporary staff). Wages £6—5s.—£6 15s. per week, plus cost-of-living bonus (at present 23s. per week).

Applicants (not over 45 years of age) should have had practical experience in the building trade; be thoroughly competent to supervise work carried out under contract or by direct labour; and be able to prepare estimates and reports.

(c) Two **ASSISTANT CLERKS OF WORKS** (temporary staff). Wages £5 10s.—5s.—£6 5s. per week, plus cost-of-living bonus (at present 23s. per week).

Applicants (not over 45 years of age) should have had practical experience in the building trade and training in the supervision of building maintenance work.

All appointments will be subject to the provisions of the Council's Standing Orders. General Regulations and Superannuation Scheme. Appointment (a) will be subject to a satisfactory medical report. Consideration will be given at a later date to the establishment of appointments (b) and (c) as permanent appointments.

Canvassing will disqualify.

Applications stating, in the order given: (a) full name and address, (b) age, (c) war service, (d) qualifications by examination, (e) present appointment—how long held and salary, (f) previous appointments, (g) particulars of experience, (h) length of notice required in present position, should be accompanied by copies of three recent testimonials and sent in an envelope marked "Housing Maintenance Staff," so as to be received by me not later than Saturday, 8th June, 1946.

PARKER MORRIS,

Town Clerk.

Westminster City Hall,  
Charing Cross Road, W.C.2.  
14th May, 1946.

## CUMBERLAND COUNTY COUNCIL.

APPOINTMENT OF SENIOR PLANNING  
ASSISTANT.

Applications are invited for the position of Senior Planning Assistant, at a salary of £260 per annum, rising by annual increments of £15 and £20 to £510, plus cost-of-living bonus (at present £59 16s. per annum), and a car and subsistence allowance in accordance with the County Council scale.

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

Applicants should be Members, or Associate Members, of the Town Planning Institute, and qualifications in architecture and/or engineering will also be an advantage.

Applicants must be fully conversant with the Town and Country Planning Acts, and Orders made thereunder, and be thoroughly competent to carry out field work, plotting, and the preparation of plans.

Applications stating age, qualifications, experience and previous appointments held, accompanied by copies of three recent testimonials, and endorsed "Senior Planning Assistant," should be sent to the Senior Planning Officer, Citadel Chambers, Carlisle, not later than Monday, 3rd June, 1946.

G. N. C. SWIFT,

Clerk of the County Council.

The Courts, Carlisle.  
15th May, 1946.

## COUNTY BOROUGH OF CROYDON.

CHIEF QUANTITY SURVEYING  
ASSISTANT.

Applications are invited from qualified persons for the position of Chief Quantity Surveying Assistant on the Established Staff. Salary scale £555, rising to £620 per annum, plus bonus (at present £59 16s. per annum).

The commencing salary will be fixed according to age, qualifications and experience.

Applicants must be able to prepare Bills of Quantities and Estimates, and to measure up and adjust final accounts.

Form of application may be obtained from the Borough Engineer, Town Hall, Croydon, and should be returned to him not later than 15th June, 1946.

Canvassing will disqualify.

E. TABERNER,  
Town Clerk.



## EBBW VALE URBAN DISTRICT COUNCIL.

## ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments in the Engineer and Surveyor's Department:—

- (a) ARCHITECTURAL ASSISTANT.  
(b) QUANTITY SURVEYOR.

Applicants for (a) must be experienced in land surveying, levelling, building inspection, and preparation of plans, working drawings and specifications for general municipal architectural works, including housing. Applicants must possess an Architectural qualification, and preference will be given to applicants who are Associates of the Royal Institute of British Architects.

Applicants for (b) must be capable of taking off and preparing Bills of Quantities for architectural and engineering works, and be fully conversant with contract procedure and the existing regulations as to priority and the supply of materials. Applicants must be Professional Associates of the Surveyors' Institution or hold equivalent qualifications.

The salary for each appointment will be in accordance with Grade IV of the Administrative, Professional and Technical Division of the National Scales of Salaries for Local Government Officers, plus cost-of-living bonus (at present £59 16s. per annum).

The National Joint Council's Scheme of Conditions of Service will apply to the appointments. The appointments will be terminable by one month's notice on either side, and will be subject to the provisions of the Local Government Superannuation Act, 1937.

The successful applicant for each post will be required to devote the whole of his time to the duties of the office, and will be precluded from private practice in any form and also will be required to reside in the urban area. Applications, giving full particulars of age, qualifications, past and present appointments and salaries, and experience, accompanied by copies of three recent testimonials, must be received by the undersigned not later than Saturday, the 1st June, 1946.

R. E. HERBERT.

Clerk of the Council.

District Council Offices, Ebbw Vale, Mon. 718  
15th May, 1946.

## BOROUGH OF MALDEN AND COOMBE.

## TOWN PLANNING ASSISTANT.

Applications are invited from Corporate Members of the Town Planning Institute for the above appointment, at a salary (including London weighting) of £440 per annum, rising by three annual increments of £15 to £485, plus temporary cost of living bonus, at present £59 16s.

The appointment is in Grade IV of the National A.P.T. Scale, is terminable by one month's notice on either side, and will be subject to the provisions of the Local Government Superannuation Act, 1937, the successful candidate being required to pass a medical examination.

Preference will be given to candidates who, in addition, hold a recognized qualification as an architect, surveyor, or engineer, and candidates must have had experience in the preparation and administration of planning schemes.

Applications, giving particulars of age, experience, present and previous appointments with salaries, accompanied by copies of not less than two recent testimonials, endorsed "Town Planning Assistant," should be delivered to the undersigned not later than Monday, 17th June, 1946.

The Council will provide the successful candidate with housing accommodation if deemed necessary.

Candidates when making application, must disclose in writing to the undersigned whether to their knowledge they are related to any member of or the holder of any office under the Council. Canvassing, directly or indirectly, will be a disqualification.

HAROLD E. BARRETT.

Town Clerk.

Municipal Offices, New Malden, Surrey. 730  
15th May, 1946.

## SURREY COUNTY COUNCIL.

Applications are invited for the appointment of ASSISTANT QUANTITY SURVEYOR. Class 1. The salary will be £500, rising by annual increments of £20, to a maximum of £600 per annum. There is, in addition, war bonus (at present £59 16s. per annum).

Applicants should be members of the Surveyors' Institution (Quantities Section), and should have had an adequate experience in taking-off Quantities for all trades and have also had good experience in measuring up and in preparing final Bills.

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

Applications, stating age, qualifications and detailed experience, accompanied by three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-on-Thames, not later than Friday, 7th June, 1946.

## COUNTY BOROUGH OF GREAT YARMOUTH.

## BOROUGH ENGINEER'S DEPARTMENT.

## APPOINTMENT OF PERMANENT GENERAL ARCHITECTURAL ASSISTANT AND TEMPORARY JUNIOR ARCHITECTURAL ASSISTANT.

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

- (1) General Architectural Assistant (Permanent). Salary £390 per annum, rising by annual increments of £15 to a maximum of £435 per annum, plus cost-of-living bonus, which is at present £59 16s. per annum. Applicants should be Associates of the Royal Institute of British Architects, and must have had experience in design and construction, particularly in relation to housing, schools, and public buildings.

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

- (2) Junior Architectural Assistant (Temporary). Salary £270 per annum, rising by annual increments of £15 to a maximum of £300 per annum, plus cost-of-living bonus, which is at present £59 16s. per annum. Applicants should have passed the Intermediate Examination of the Royal Institute of British Architects.

The above appointments will be terminable by one month's notice on either side.

The Council will give every possible assistance to obtain housing accommodation if deemed necessary.

Applications, stating age, qualifications, and previous experience, together with copies of three testimonials, should be enclosed in an envelope endorsed (1) "General Architectural Assistant," or (2) "Junior Architectural Assistant," and must reach the undersigned not later than the 7th June.

Canvassing, directly or indirectly, will be deemed a disqualification, and candidates must disclose whether, to their knowledge, they are related to any member of, or the holder of, any senior office under the Council. Candidates who fail to do so will be disqualified, and if appointed will be liable to dismissal without notice.

FARRA CONWAY.

Town Clerk.

Town Hall, Great Yarmouth.

16th May, 1946. 733

## CORNWALL COUNTY COUNCIL.

Applications are invited for the following appointments on the Established Staff of the County Architect's Department:—

- (a) ASSISTANT QUANTITY SURVEYOR. Salary £420, by annual increments of £15 to £465 (Grade IV recommended by the National Joint Council), plus war bonus, at present £59 16s.

- (b) ARCHITECTURAL ASSISTANT. Salary £330, by annual increments of £15 to £375 in Grade I, plus war bonus.

Candidates for appointment (a) will be required to prepare Estimates, Bills of Quantities, measure work and adjust variations on Contracts (preference will be given to experienced Taker-off).

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

Forms of application may be obtained from the County Architect, County Hall, Truro, to whom applications must be sent not later than Saturday, 1st June, 1946, accompanied by copies of three recent testimonials.

L. P. NEW.

Clerk of the County Council.

County Hall, Truro.

7th May, 1946.

## BOROUGH OF SOUTHGATE.

## APPOINTMENT OF ARCHITECTURAL ASSISTANT (TEMPORARY).

Applications are invited for the appointment of an Architectural Assistant in the Architectural Section of the department of the Borough Engineer and Surveyor, at a salary at the rate of £450 per annum, plus cost-of-living bonus, at present £59 16s. per annum.

The appointment will be temporary, and for a period of not exceeding two years in the first instance, and will be subject to one month's notice on either side.

Preference will be given to candidates who are members of the Royal Institute of British Architects or hold an equivalent qualification, and previous experience on housing work will be an advantage.

Applications, stating age, education, experience and qualifications, and accompanied by copies of not more than three testimonials, must be sent in envelopes endorsed "Temporary Architectural Assistant," so as to reach Mr. J. T. W. Peat, F.R.I.B.A., Borough Engineer and Surveyor, Town Hall, Palmers Green, N.13, by not later than the 3rd June, 1946.

GORDON H. TAYLOR.

Town Clerk.

Southgate Town Hall,

Palmers Green, London, N.13.

May, 1946.

## URBAN DISTRICT OF HARROW.

## APPOINTMENT OF ARCHITECTURAL ASSISTANT AND QUANTITY SURVEYORS.

Applications are invited for the undermentioned permanent appointments in the Architectural Section of the Engineer and Surveyor's Department:—

- (a) ARCHITECTURAL ASSISTANT. (Grade A.P.T.IV, salary scale, £440-£485 per annum, plus cost-of-living bonus £59 16s.)

Applicants should have had experience in the preparation of schemes for houses and flats, and should preferably have had general experience in the architectural work of a local authority. A knowledge of education work will be an advantage, and will be considered as an alternative to housing experience.

- (b) QUANTITY SURVEYOR. (Grade A.P.T.V, salary scale £480-£530 per annum, plus cost-of-living bonus £59 16s.)

- (c) ASSISTANT QUANTITY SURVEYOR. (Grade A.P.T.III salary scale £410-£465 per annum, plus cost-of-living bonus £59 16s.)

Applicants for (b) and (c) must have had experience in the preparation of bills of quantities, specifications, estimates, and the settlement of final measurements.

Preference will be given to all candidates for the foregoing appointments, who hold appropriate and recognized qualifications.

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

Applications, on forms to be obtained from the undersigned, must be returned not later than Tuesday, 11th day of June, 1946.

H. WELLS.

Clerk of the Council.

Council Offices, Harrow Weald Lodge,

Harrow Weald, Middlesex.

15th May, 1946. 732

## CITY OF LIVERPOOL.

## ARCHITECTURAL AND HOUSING DEPARTMENT.

The Council of the City of Liverpool invite applications from (a) Members of the Royal Institute of British Architects, and (b) Members of the Surveyors' Institution for the following positions in the Architectural and Housing Department at the salaries shown, viz.:

- (a) CHIEF HOUSING ARCHITECT. Salary £900 per annum, plus war bonus.

- (b) CHIEF SURVEYOR. Salary £850 per annum, plus war bonus.

- (c) QUANTITY SURVEYOR. Salary £450 per annum, plus war bonus.

- (d) ASSISTANT SURVEYOR. Salary £400 per annum, plus war bonus.

Applicants, whose age must not exceed 40 years, must have had professional experience, preferably in local or central Government service.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and the Standing Orders of the City Council, which include requirements to pass a medical examination, to devote whole time to the duties of the respective appointments, and to reside within the City.

The appointments will be determinable by one calendar month's notice on either side.

Applications, on forms to be obtained from the City Architect and Director of Housing, Blackburn Chambers, Dale Street, Kingsway, Liverpool, 2, accompanied by copies of three recent testimonials, must be addressed to the City Architect and Director of Housing (endorsed with the description of the post applied for, e.g., "Chief Housing Architect"), and should be received on or before the 20th June, 1946.

Candidates serving in H.M. Forces abroad need not complete the official form of application, but may submit direct applications on or before the date specified, giving particulars of age, education, qualifications and experience, and three names as references. The number of the applicant's release group and probable date of release should also be stated.

Canvassing of members of the City Council, either directly or indirectly, will be a disqualification.

W. H. BAINES.

Town Clerk.

Liverpool, 2.

May, 1946. 731

## MINISTRY OF WORKS.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANTS, at a salary of £260 to £360 per annum, according to experience. In addition a consolidated addition of £78 per annum is payable.

The vacancies are at the Regional Office of the Ministry of Tunnage Wells, and will be on a temporary basis. Applicants should have completed an approved period of training in Architecture, and should preferably have passed the Intermediate Examination of the Royal Institute of British Architects or its equivalent, and had several years' practical experience in the office of a practising architect.

Apply in writing to Ministry of Labour and National Service, Room 207, Hanway House, Red Lion Square, W.C.1. 721

CITY OF MANCHESTER.

APPOINTMENT OF CITY ARCHITECT.

Applications are invited, from persons holding the necessary qualifications, for the position of City Architect, at a salary of £1,750 per annum, rising by biennial increments at £125 to £2,000 per annum, plus cost-of-living bonus, at present £50 per annum.

Particulars as to duties, terms and conditions of the appointment and forms of application, can be obtained from the undersigned.

Applications, endorsed "City Architect," are to be delivered not later than the 1st day of June, 1946.

Candidates serving in H.M. Forces abroad need not complete the official form of application, but may submit direct applications within the date specified, giving particulars of age, education, qualifications, and experience, and three names as references. The number of the applicant's release group and probable date of release should also be stated.

Canvassing in any form, oral or written, direct or indirect will be regarded as a disqualification, and applications and testimonials must be sent to the Town Clerk only and not to members of the Council.

PHILIP B. DINGLE,

Town Clerk.

Town Hall, Manchester.  
May, 1946.

653

COUNTY BOROUGH OF WALLASEY.

APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited, not later than 7th June next, for the above appointment, at a salary of £625 per annum, rising by three annual increments of £700 per annum, plus war bonus.

Applicants should be under 45 years of age, and preferably Associates of the Royal Institute of British Architects, and have had a wide experience of municipal housing, including flats of three or more stories.

A form of application and further particulars will be sent by the Borough Engineer and Surveyor on receipt of a stamped addressed foolscap envelope.

EMRYS EVANS,

Town Clerk.

Town Hall, Wallasey.  
May, 1946.

656

CITY OF BIRMINGHAM EDUCATION COMMITTEE.

APPOINTMENT OF CLERKS OF WORKS.

Applications are invited for the appointment of two Clerks of Works, who will be on the staff of the Chief Education Officer, and will work under the direction of the Architect to the Education Committee.

The commencing salaries will vary from £330 to £380 per annum, according to qualifications and experience, together with a war bonus at present amounting to £56 1s.

The appointment will be subject to the provisions of the Local Government Superannuation Act, and to the passing of a medical examination. Forms of application, obtainable from the undersigned, upon receipt of a stamped addressed envelope, must be returned not later than Wednesday, 12th June.

Canvassing in any form will be a disqualification.

E. L. RUSSELL,

Chief Education Officer.

Education Office, Margaret Street,  
Birmingham, 3.  
17th May, 1946.

728

Tenders

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

The Imperial War Graves Commission are prepared to consider Tenders for the supply, engraving and erection of approximately 500 Portland or Hopton Wood Headstones in cemeteries and churchyards in the East Midlands of England, such tenders to be delivered at the Head Office of the Commission not later than 10 o'clock a.m. on 4th June, 1946.

Applications for forms of Tender should be addressed to—

THE DIRECTOR OF WORKS.

Imperial War Graves Commission,  
Woodburn House, Woodburn Green, High Wycombe,  
Bucks.

720

Partnerships

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

ARCHITECT (F.R.I.B.A.), engaged upon municipal housing, would be pleased to consider applications for a Junior Partnership, on salary and percentage of profit basis; membership of R.I.B.A. essential and town planning qualifications desirable; practising in London and Southern Counties. Age and qualifications to Box 726.

Competitions

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

CORPORATION OF EDINBURGH.

COMPETITION FOR HOUSING AND COMMUNITY DEVELOPMENT AT THE INCH, NETHER LIBERTON, EDINBURGH.

The Lord Provost, Magistrates and Council of the City and Royal Burgh of Edinburgh, invite Architects of British nationality resident in Great Britain to submit in open Competition designs for the development of a housing estate at The Inch, Nether Liberton, Edinburgh.

The Assessor of the Competition is Mr. George D. Macniven, F.R.I.B.A., 27, West Maitland Street, Edinburgh, 12, and on his award the Promoters will pay a premium of £500 to the author of the design placed first by the Assessor, and a further amount of £300 in respect of other designs according to merit.

It is the intention of the Promoters to proceed with the housing development and, subject to the Conditions of the Competition, the author of the design placed first will be employed to carry out the work at fees to be paid in accordance with the Scale of Professional Charges sanctioned and published by the Royal Incorporation of Architects in Scotland for permanent housing work carried out in Scotland.

A copy of the Conditions of Competition, along with a plan of the site, will be supplied on and after 1st June, 1946, on application by Architects to the undersigned. Such application must be accompanied by a deposit by crossed cheque for two guineas (payable to "The Corporation of Edinburgh"), which will be refunded on receipt of a bona fide design in conformity with the Conditions, or on return of the Competition documents within one month of the date of the receipt of replies to competitors' questions.

The last day for the receipt of designs is 15th August, 1946.

J. STORRAR,

Town Clerk.

City Chambers, Edinburgh, 1.  
May, 1946.

717

Architectural Appointments Vacant

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

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

HEAD DRAUGHTSMAN.—Position immediately vacant for suitable applicant in established drawing office, with opportunities for able and enthusiastic man; knowledge of garden construction, survey experience, and ability to prepare building working drawings, are essential. Apply by letter, stating age, experience, and salary required, to John Jefferies & Son, Ltd., Royal Nurseries, Cirencester. 586

TWO DRAUGHTSMEN (19-21 years) required in private practice; industrial and domestic surveys, working drawings.—Clark, L.R.I.B.A., 44, Gt. Russell Street, W.C.1. Museum 4400. 639

REQUIRED.—One Senior and one Junior Architectural Assistant immediately. Gutch, Saunders & Surridge, High Street, Kettering. 663

ARCHITECTURAL ASSISTANTS (Senior and Junior) required immediately; salary according to qualifications. Full particulars of age, experience, etc., to W. James Venables, L.R.I.B.A., 11, West Street, Congleton, Cheshire. 662

ASSISTANT required; must have passed Inter R.I.B.A. and contemplating final 6-12 months; housing, hospitals; salary £250-£350, according to qualifications and experience. G. H. N. Inman, F.R.I.B.A., The Charterhouse, Charterhouse Square, E.C.1. Tel.: Clerkenwell 4414. 683

INDUSTRIAL Design Draughtsman wanted. Apply Warnett Kennedy & Associates, 11, Bentinck Street, W.1. 688

SENIOR ARCHITECTURAL ASSISTANT required immediately; should be A.R.I.B.A., and experienced in industrial schools and domestic buildings; age 27-36. Reply, stating qualifications and salary required, to Box 690.

ARTICLED PUPIL.—Vacancy occurs in large Architect's office in the Midlands for Articled Pupil; good opportunities for training, and experience in general practice, housing, and estate development; applicants should have obtained school certificate. Box 692.

TWO young Qualified Assistants, with sound knowledge of construction, required for work in Kenya on buildings for the Government and private concerns; 1 year contract, extended if suitable. Apply, in first instance, to Denzil Nield, A.R.I.B.A., 310, Upper Regent Street, W.1. 698

ASSISTANT QUANTITY SURVEYOR required immediately. Apply, with particulars of experience and salary required, to Howard Williams & Partners, 2, St. Andrews Place, Cardiff. 701

ARCHITECTURAL ASSISTANT required, with good knowledge of design and construction; capable of preparing working drawings and specifications from sketches; salary about £450 p.a. Matthews & Son, 91, Gower Street, W.C.1. 694

EXPERIENCED Architectural Assistant wanted; pleasant and varied country work; please give full particulars, including qualifications, experience, and salary required. Maurice Jones & Graham, L.A.R.I.B.A., 15, The Tything, Worcester. 703

WANTED.—Architectural Assistant: quick and able to prepare first-class working drawings from sketches; state salary required. Willmott & Robertson, 51, Charles Street, Cardiff. 707

INDUSTRIAL COMPANY, North-East area, requires Qualified Quantity Surveyor, with experience in measuring for certificates and completion of works. Write, stating age, experience, and salary required, to Box 712.

THE Chichester Diocesan Board of Finance invite applications from qualified Architects for the post of Assistant in its Dilapidations Department; permanent post, with prospects, to suitable candidate; commencing salary £450. Applications, with testimonials, should be sent to the Secretary, Church House, 9, Brunswick Square, Hove, 2, Sussex. 722

ASSISTANT for modern Architects' Office on East Coast; housing and varied practices; progressive position and salary for suitable applicant; please send all particulars and salary required. Box 734.

Architectural Appointments Wanted

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

RECENTLY demobbed Army Captain (20), married, seeks position of Architect's Assistant; prefer Leicester or district; 2 years in West End office; pre-war probationer R.I.B.A. and Polytechnic trained. Box 413.

ARCHITECTURAL DRAUGHTSMAN, aged 19½ years, requires position near Kingston, Surrey; has national certificate in building construction and drawing. Box 418.

A.R.I.B.A. (29), 5 years' office experience in housing, flats and office buildings, seeks appointment in the South, London preferred. Box 419.

ARCHITECTURAL ASSISTANT, 4 years articles, 2 years Junior Assistant, 6 years with Armed Forces, requires position; West Country preferably. Box 420.

LIVERPOOL Student, intermediate standard, requires position in Architect's office; July-December; London or South preferred; previous office experience, and 6 years' war service; used to responsibility. Box 421.

ARCHITECT'S MANAGING ASSISTANT (40) requires change of position, with scope for initiative; considerable experience, including housing, factories, and civil engineering; could obtain own staff if necessary. Write Box 422.

YOUNG but proficient Architectural Assistant, at present employed by builder, used to surveying buildings and land, preparing schemes, etc., on own initiative, requires progressive position anywhere. Box 423.

CHARTERED ARCHITECT (35), with good all-round experience in U.K. and abroad, offers spare-time service to Architects; own office in North Scotland; can visit London if necessary; willing to undertake any kind of architectural work. Box 424.

REGISTERED ARCHITECT, fully qualified (35), allied nationality, seeks post in London area; full time or part time; quick, neat draughtsman; good references. Box 425.

REGISTERED ARCHITECT, fully qualified, prize winner, desires position as Assistant Architect; 20 years' experience in modern design and construction, including industrial and domestic buildings, housing, hotels and public baths; capable of taking complete charge of large contracts; salary by arrangement. Box 426.

DRAUGHTSMAN (28), 6 years' experience progressive position; Reading or Oxford area. Box 427.

A YOUNG MAN (17 years 2 weeks), 1st year Architecture, Regent Street Polytechnic, 16 months' experience in an architect's office, seeks employment as an Assistant with a firm of Architects. Box 428.

PROBATIONER, R.I.B.A. (25), seeks position with Architect in London area; just demobilized R.A.F.; 3 years at Day School of Architecture, now attending evening classes; no previous office experience. Box 429.



**Other Appointments Vacant**

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

**COPY TYPIST** required in Professional Office; full or part time; salary accordingly. Matthews & Son, 91, Gower Street, W.C.1.

**Other Appointments Wanted**

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

**ADVERTISING MANAGER** (38) seeks post-war position in priority line, where 10 years' experience in national industrial concerns would be effective in advertisement, literature, press relations and sales, etc. Write Box 401.

**QUALIFIED Architect** will assist another during evenings and week-ends either at own or other office; London. Box 670.

**EXPERIENCED Architectural Assistant** requires spare-time work in London area, including working drawings from sketch plans, details, war damage schedules and specifications, repairs and conversions, etc. Box 676.

**PROFESSIONAL QUANTITY SURVEYOR**, London area, anxious to meet Architect, to combine forces to mutual advantage; expert in all branches of war damage contracts; well known to authorities. Box 680.

**ARCHITECT** offers spare-time assistance; experienced in housing, conversions, surveys, schedules, war damage, etc. Telephone FINCHLEY 5137. 699

**CHARTERED ARCHITECT**; modern housing, working drawings, etc.; assistance in spare time; London district preferred. Box 709.

**GENTLEMAN**, with experience of designing and producing for individual clients, desires to contact firm of interior decorators needing Assistant; would consider partnership, but sound prospects more important than high salary to start; any district. Box 725.

**ARCHITECT** will assist others, evenings and week-ends, and/or Assistant available for tracings, etc.; moderate fees by arrangement. Box 727.

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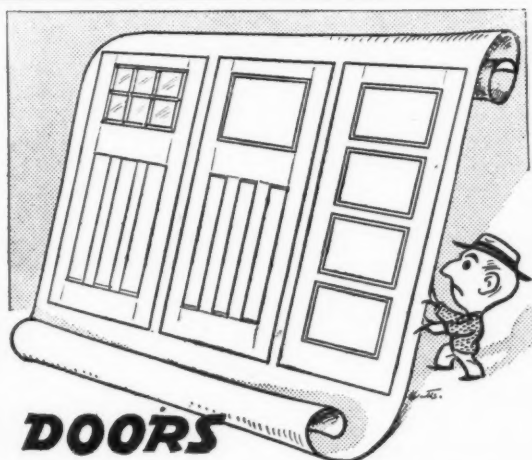
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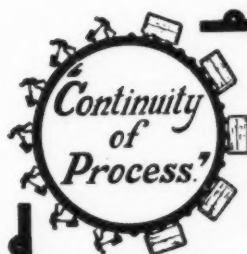
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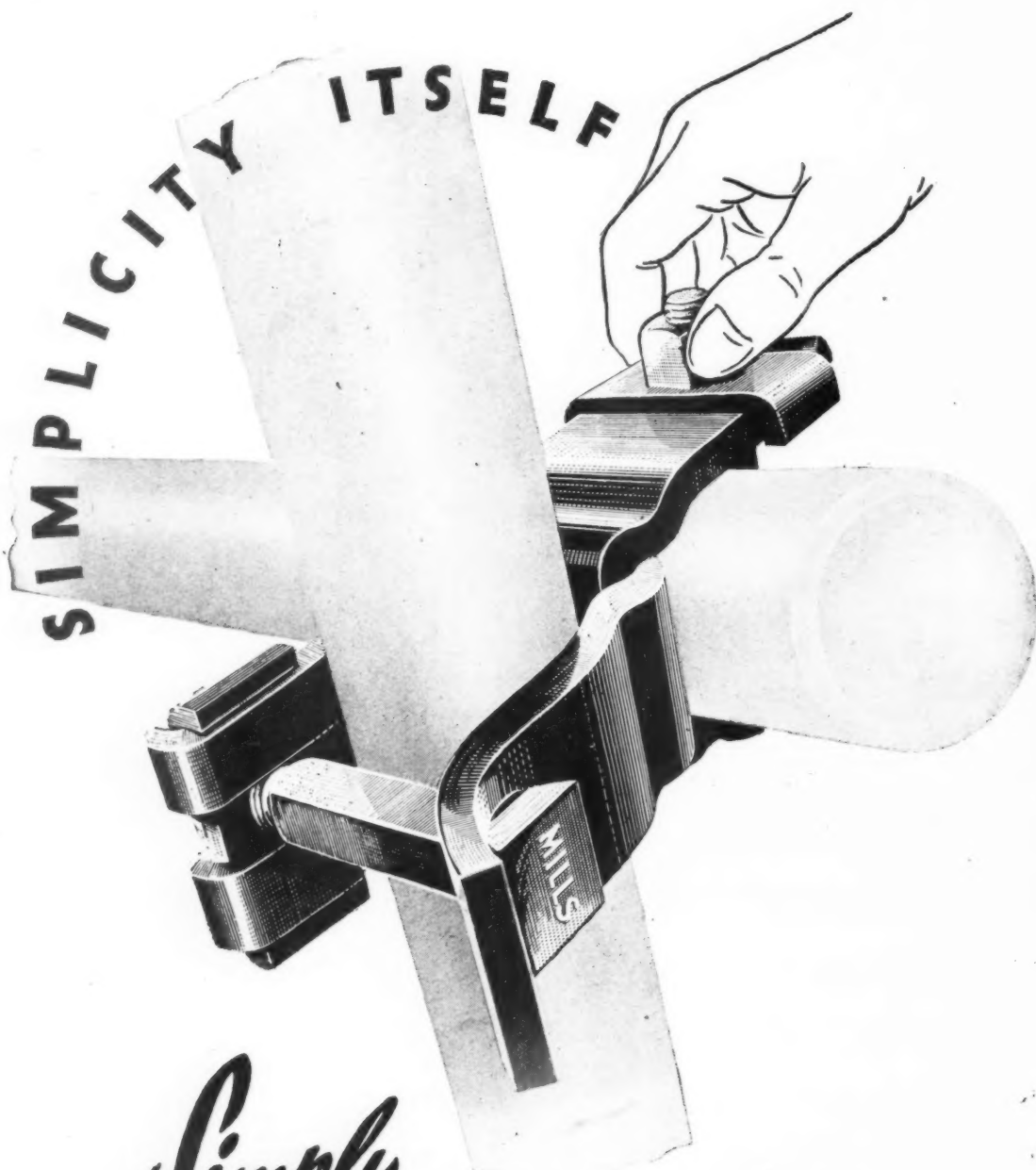
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