

THE ARCHITECTS' JOURNAL



standard contents

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

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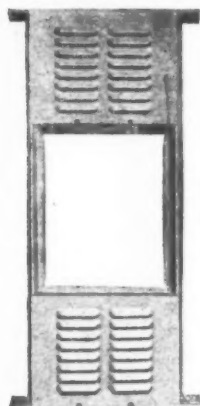
★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers. The glossary is published in two parts—A to Ic one week, Ic to Z the next. In all cases where the town is not mentioned the word LONDON is implicit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

IEE	Institution of Electrical Engineers.	Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society.	32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers.	1, Grosvenor Place, S.W.1.	Sloane 8606
IHVE	Institution of Heating and Ventilating Engineers.	75, Eaton Place, S.W.1.	Sloane 3158
IIBD	Incorporated Institute of British Decorators.	Drayton House, Gordon Street, W.C.1.	Euston 2450
ILA	Institute of Landscape Architects.	12, Gower Street, W.C.1.	Museum 1783
I of Arb.	Institute of Arbitrators, 35/37, Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071	Museum 7197
IOB	Institute of Builders.	48, Bedford Square, W.C.1.	Monarch 7391
IR	Institute of Refrigeration.	Empire House, St. Martin's-le-Grand, E.C.1.	Abbey 6172
IRA	Institute of Registered Architects.	47, Victoria Street, S.W.1.	Sloane 7128-29
ISE	Institution of Structural Engineers.	11, Upper Belgrave Street, S.W.1.	Whitehall 7264
LIDC	Lead Industries Development Council.	Eagle House, Jermyn Street, S.W.1.	Museum 3891
LMBA	London Master Builders' Association.	47, Bedford Square, W.C.1.	Euston 2158-9
MARS	MARS Group (English Branch of CIAM).	34, Gordon Square, W.C.1.	Whitehall 3400
MOA	Ministry of Agriculture and Fisheries.	55, Whitehall, S.W.1.	Sloane 4522
MOE	Ministry of Education.	Belgrave Square, S.W.1.	Whitehall 4300
MOH	Ministry of Health.	Whitehall, S.W.1.	Whitehall 6200
MOLNS	Ministry of Labour and National Service.	St. James's Square, S.W.1.	Gerrard 6933
MOS	Ministry of Supply.	Shell Mex House, Victoria Embankment, W.C.	Abbey 7711
MOT	Ministry of Transport.	Berkeley Square House, Berkeley Square, W.1.	Whitehall 8411
MOTCP	Ministry of Town and Country Planning.	32-33, St. James's Square, S.W.1.	Reliance 7611
MOW	Ministry of Works.	Lambeth Bridge House, S.E.1.	Abbey 1010
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council.	94, Petty France, S.W.1.	Abbey 5277/8
NAS	National Association of Shopfitters.	9, Victoria Street, S.W.1.	Kensington 8161
NBR	National Buildings Record.	37, Onslow Gardens, S.W.7.	Abbey 5111
NCBMP	National Council of Building Material Producers.	2, Caxton Street, S.W.1.	W.1. Langham 4041
NFBTE	National Federation of Building Trades Employers.	82, New Cavendish Street, W.1.	Macaulay 4451
NFBTO	National Federation of Building Trades Operatives, Federal House,	Cedars Road, Clapham, S.W.4.	Whitehall 2881/2/3
NFHS	National Federation of Housing Societies.	13, Suffolk St., S.W.1.	Langham 4041
NHBRC	National House Builders Registration Council.	82, New Cavendish Street, W.1.	Molesley 1380
NPL	National Physical Laboratory.	Head Office, Teddington.	S.W.1. Abbey 1359
NSAS	National Smoke Abatement Society.	Chandos House, Buckingham Gate, S.W.1.	Whitehall 0211/2
NT	National Trust for Places of Historic Interest or Natural Beauty.	42, Queen Anne's Gate, S.W.1.	Whitehall 7245
PEP	Political and Economic Planning.	16, Queen Anne's Gate, S.W.1.	Reliance 7611
PWB	Post War Building, Directorate of.	Ministry of Works, Lambeth Bridge House, S.E.1.	Whitehall 9936
RCA	Reinforced Concrete Association.	94, Petty France, S.W.1.	Edinburgh 20396
RIAS	Royal Incorporation of Architects in Scotland.	15, Rutland Square, Edinburgh.	Welbeck 5721
RIBA	Royal Institute of British Architects.	66, Portland Place, W.1.	Whitehall 5322
RICS	Royal Institution of Chartered Surveyors.	12, Great George St., S.W.1.	Whitehall 3935
RFAC	Royal Fine Art Commission.	22A, Queen Anne's Gate, S.W.1.	Regent 3335
RS	Royal Society.	Burlington House, Piccadilly, W.1.	Temple Bar 8274
RSA	Royal Society of Arts.	6, John Adam Street, W.C.2.	Sloane 5134
RSI	Royal Sanitary Institute.	90, Buckingham Palace Road, S.W.1.	Wimbledon 5101
RIB	Rural Industries Bureau.	35, Camp Road, Wimbledon, S.W.19.	Regent 6347
SBPM	Society of British Paint Manufacturers.	20, Piccadilly, London, W.1.	Euston 6272/3
SCR	Society for Cultural Relations with the USSR.	98, Gower Street, W.C.1.	Abbey 7244
SE	Society of Engineers.	17, Victoria Street, Westminster, S.W.1.	W.C. Chancery 5313
SFMA	School Furniture Manufacturers' Association.	13, New Square, Lincoln's Inn, W.C.2.	Central 4444
SIA	Structural Insulation Association.	14, Moorgate, London, E.C.2.	E.C.1. Metropolitan 8344
SIA	Society of Industrial Artists.	Room 243, Empire House, St. Martin's-le-Grand, E.C.1.	Holborn 2646
SNHTPC	Scottish National Housing & Town Planning Council.	Hon. sec., Robert Pollock, Town Clerk, Rutherglen.	Temple Bar 5006
SPAB	Society for the Protection of Ancient Buildings.	55, Great Ormond Street, W.C.1.	City 6146 (3 lines)
TCPA	Town and Country Planning Association.	28, King Street, Covent Garden, W.C.2.	Victoria 8815
TDA	Timber Development Association.	75, Cannon Street, E.C.4.	City 1476
TPI	Town Planning Institute.	18, Ashley Place, S.W.1.	Mayfair 8866
TTF	Timber Trades Federation.	81, Cannon Street, E.C.4.	City 4263/4
WDC	War Damage Commission.	Devonshire House, Mayfair Place, Piccadilly, W.1.	Oxford 47988
WEDA	Welfare Equipment Development Association.	61, St. Paul's Churchyard, E.C.4.	
ZDA	Zinc Development Association.	Lincoln House, Turl Street, Oxford.	

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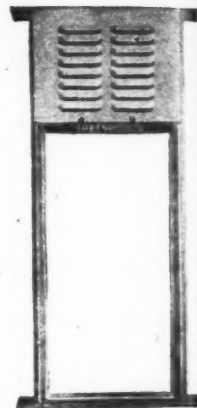
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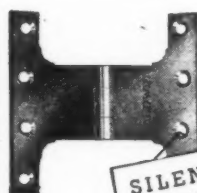


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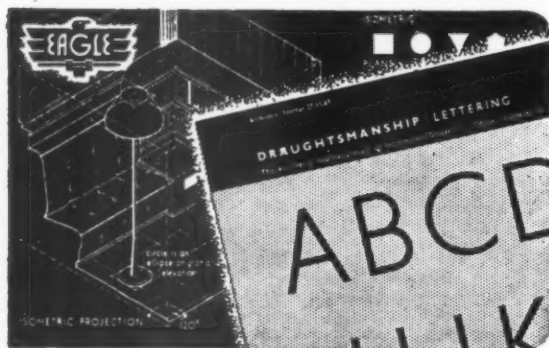
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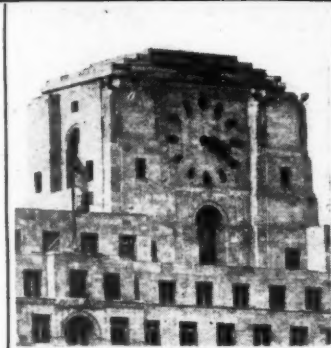
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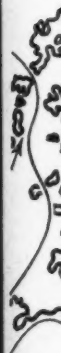
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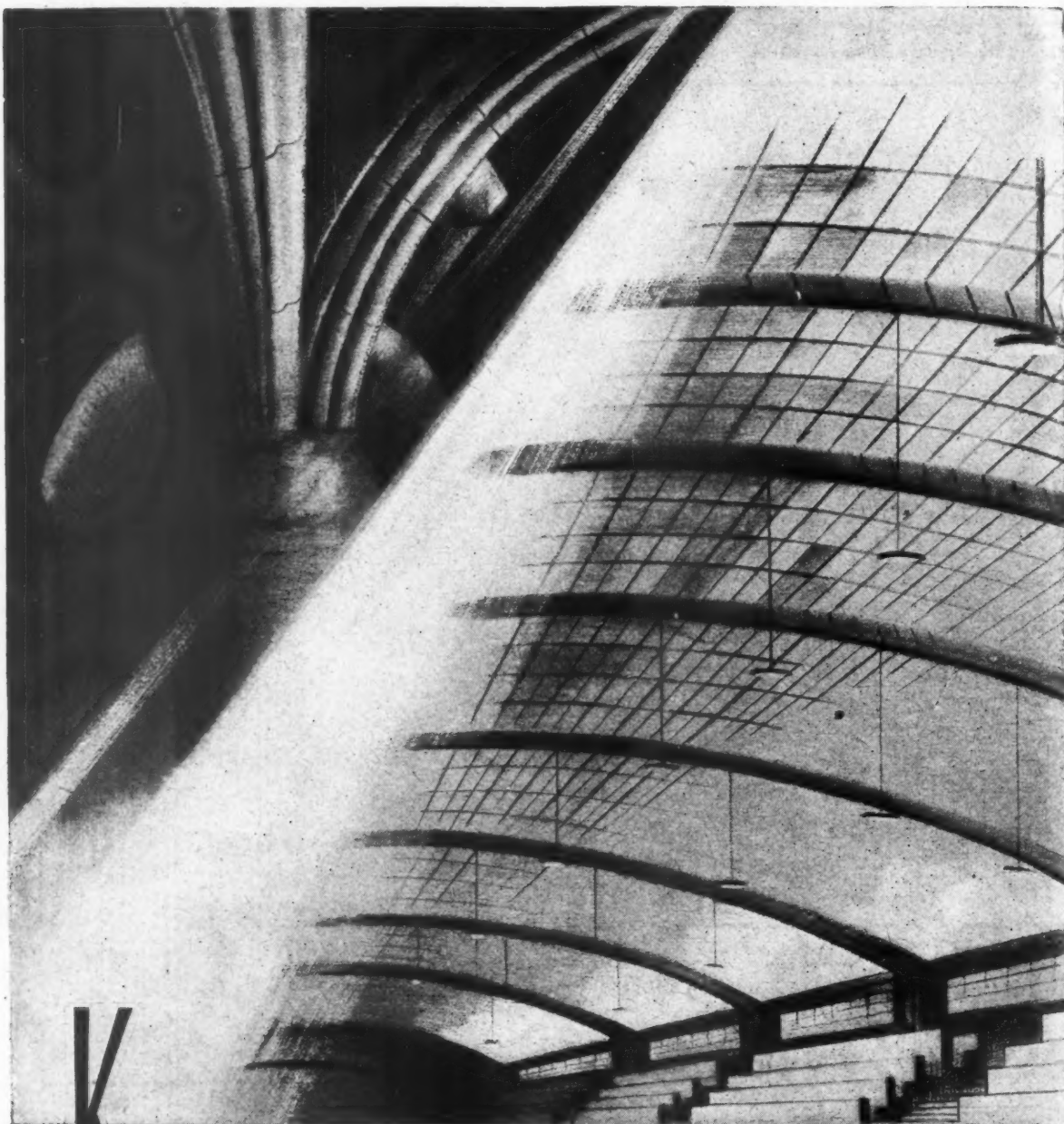
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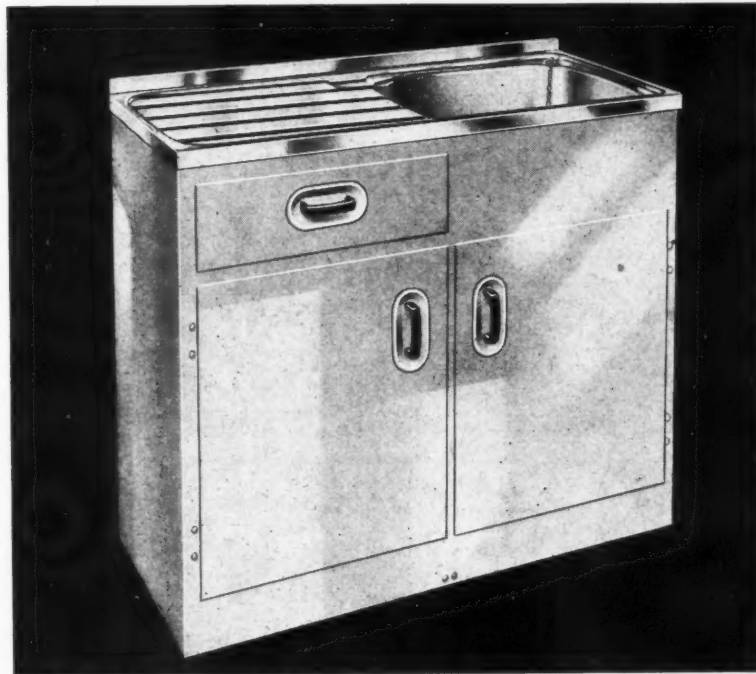
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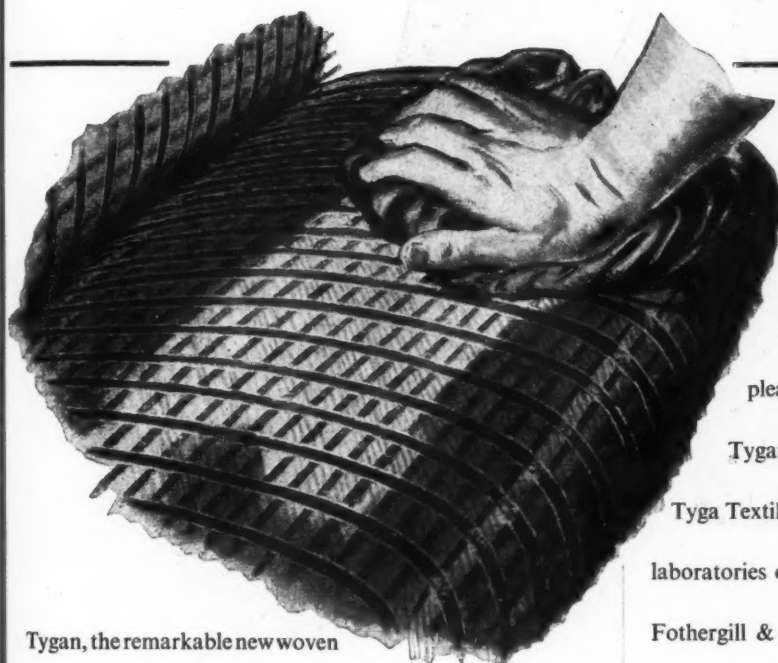
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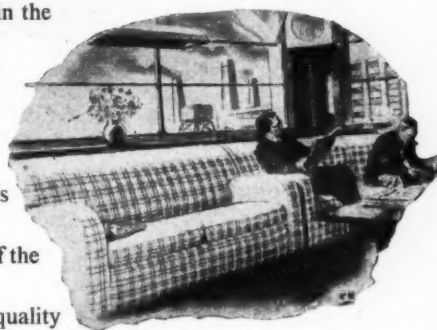
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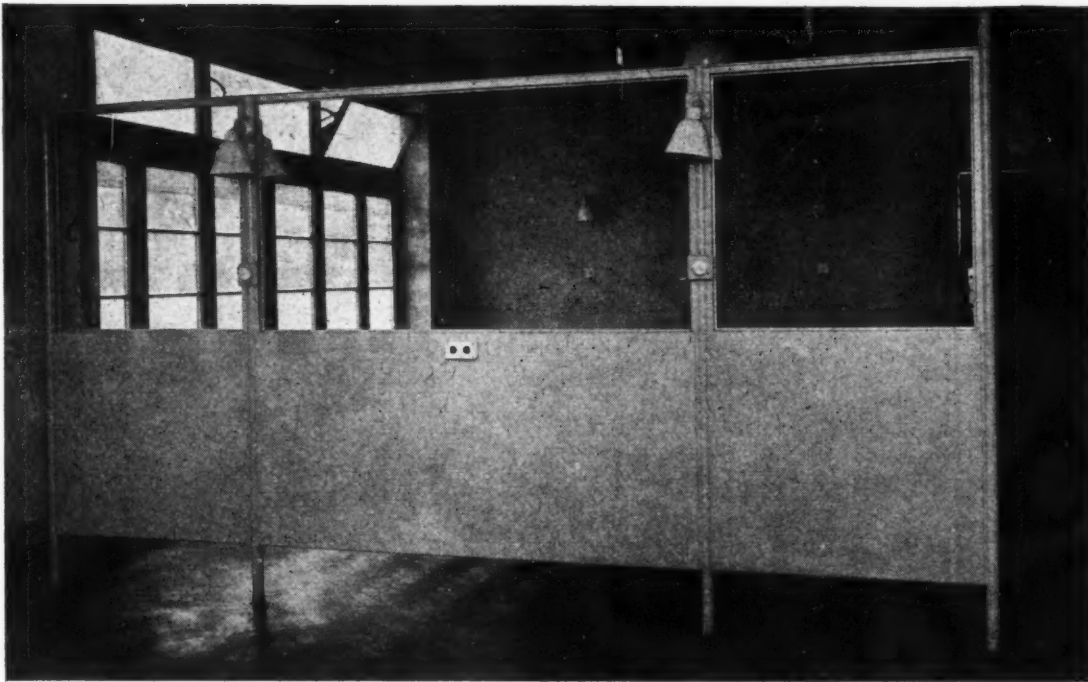
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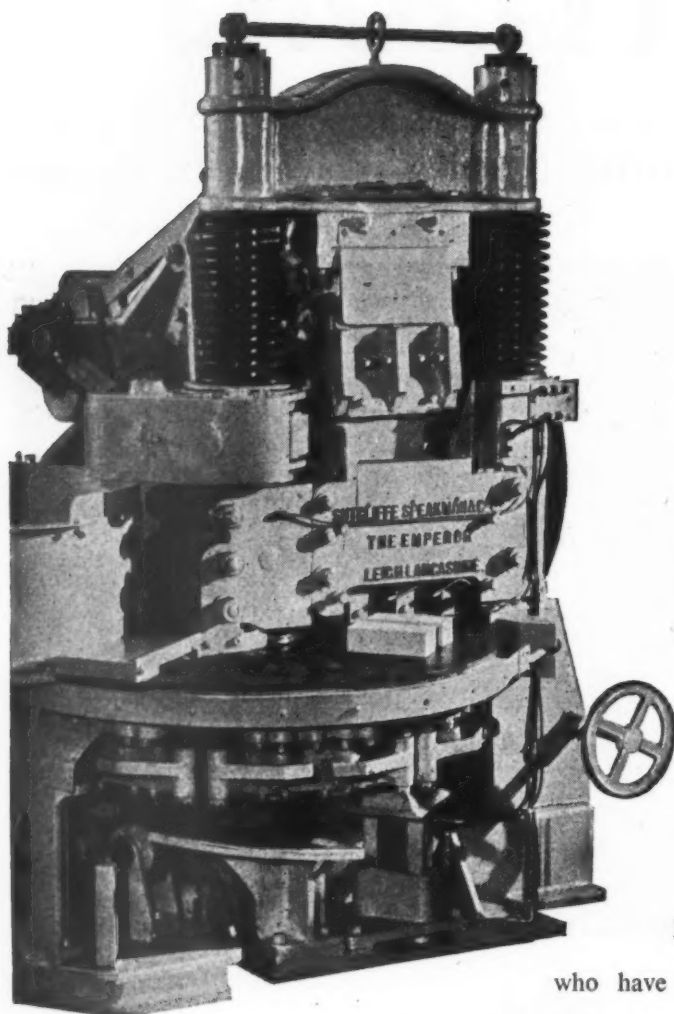
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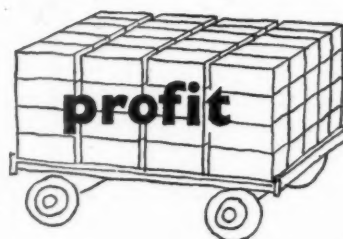
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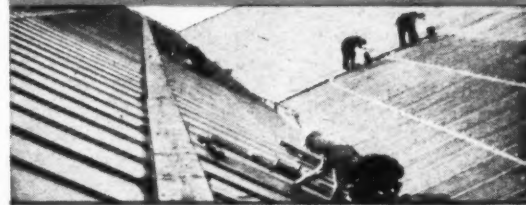
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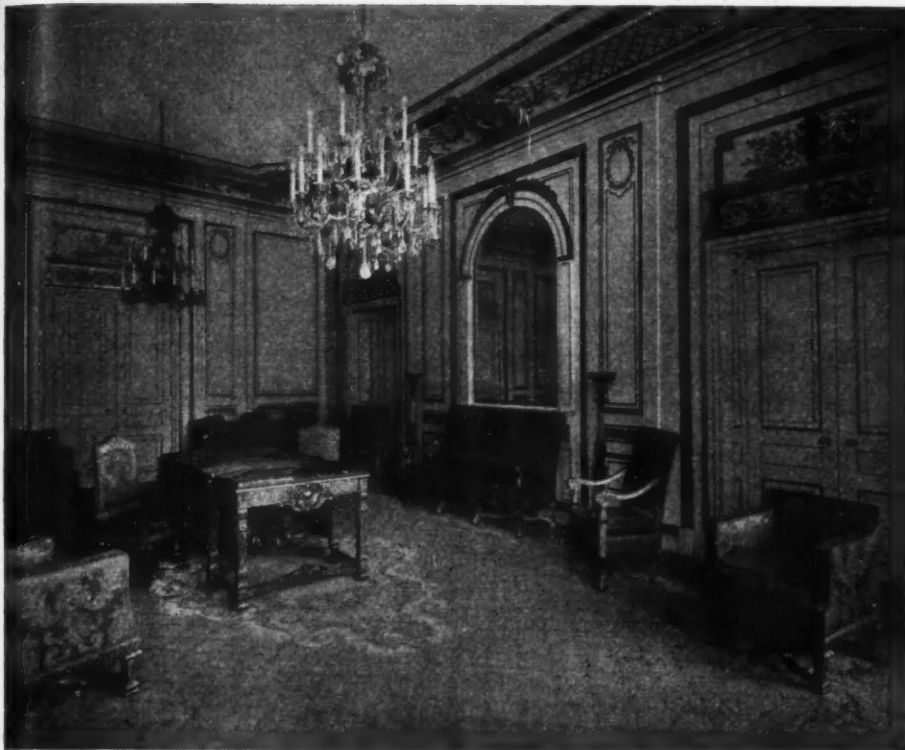
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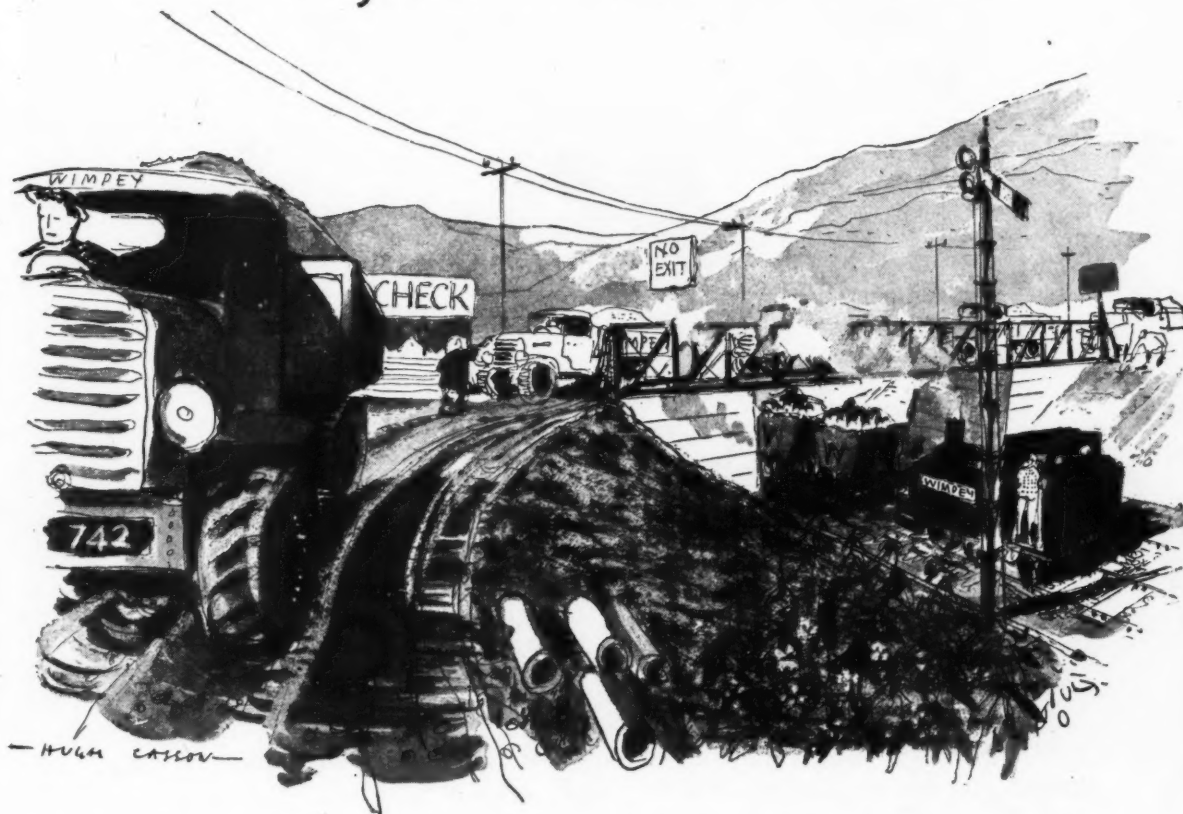
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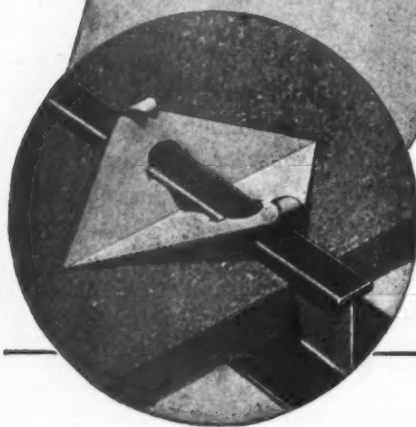
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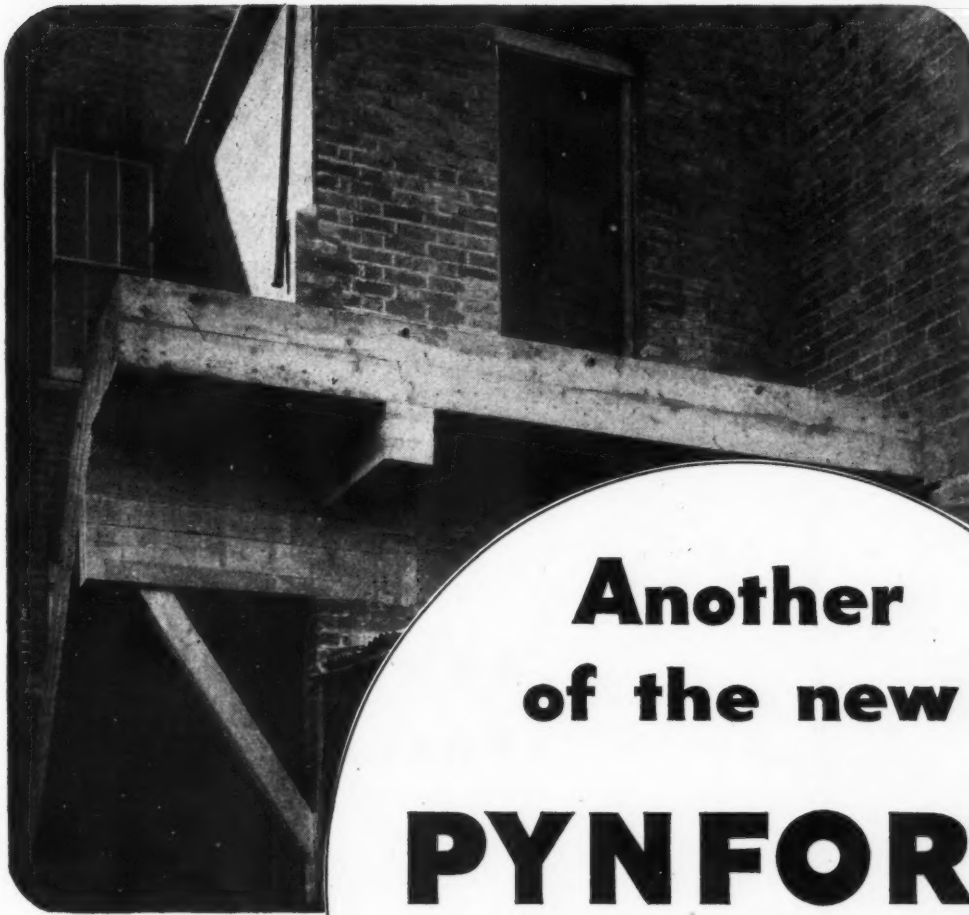
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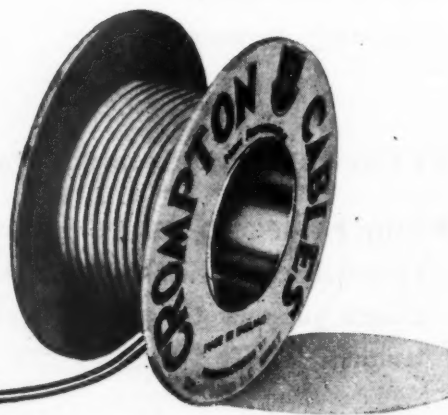
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Reinforced Concrete Head Office and London Warehouse of Wiggins, Teape & Co. (1919) Ltd., in Mansell Street, London, E.1. Renovated with Cream Snowcem Waterproof Cement Paint, date January, 1948.



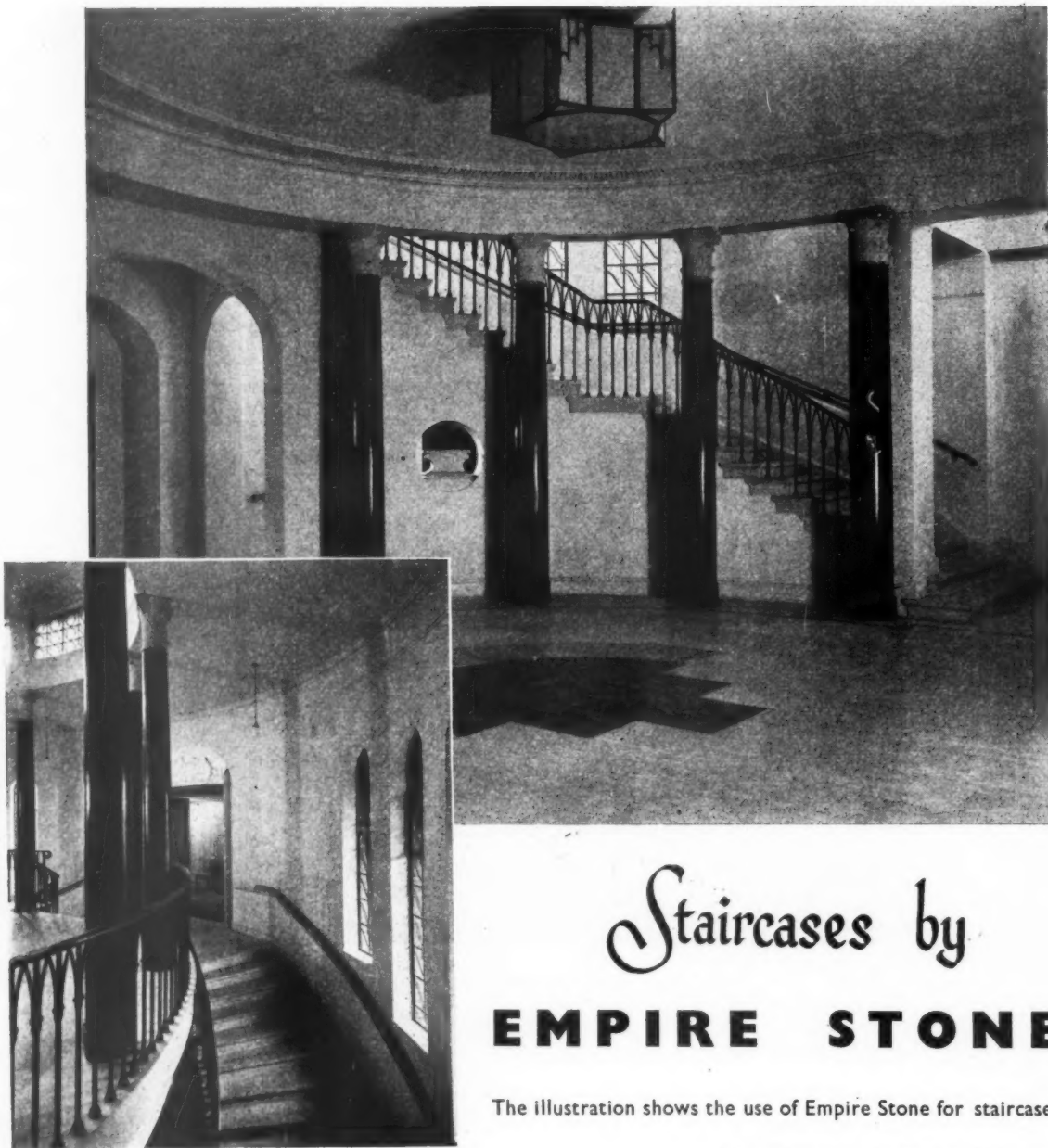
NOTES: This is an interesting job since it shows how Snowcem transforms a dull grey concrete structure. The decorative treatment of concrete has always been regarded as something of a problem and Snowcem has proved to be a very simple solution. Snowcem was specified by Mr. W. J. Read, staff surveyor of Wiggins, Teape & Co. (1919) Ltd. and the work carried out by Messrs. Falkus Bros. Ltd. of Bishopsgate. Total area about 5,200 yards.

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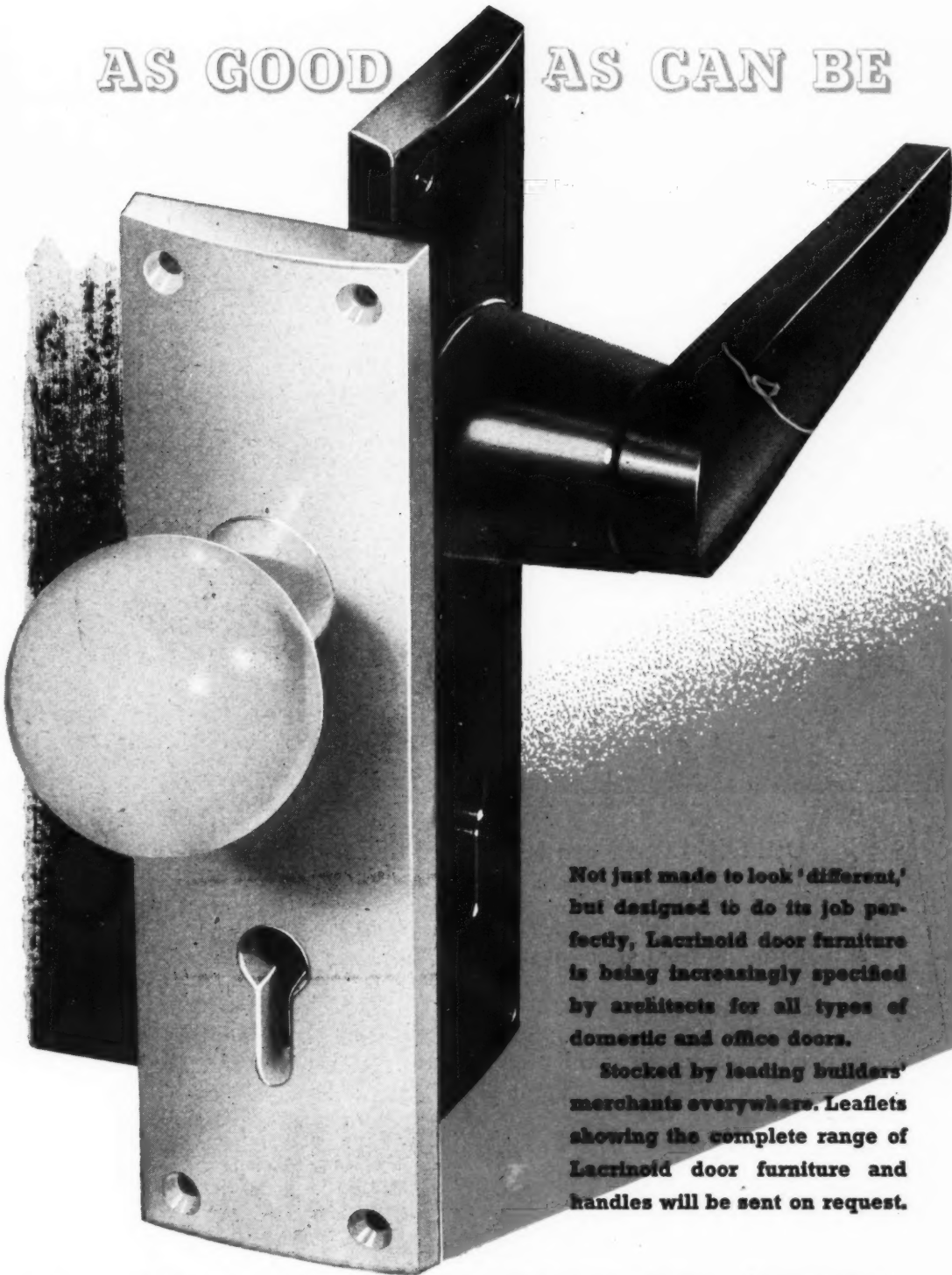
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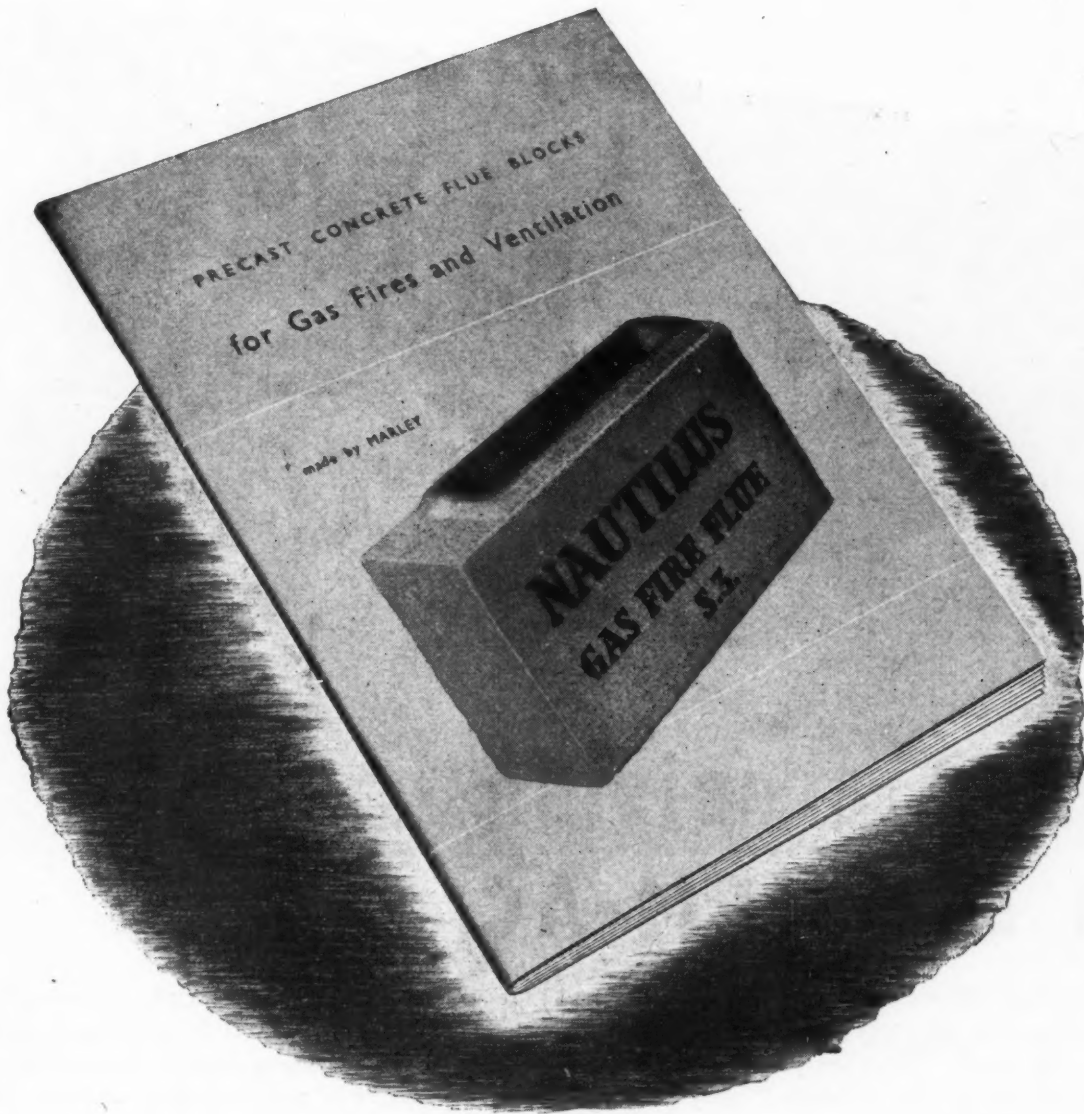
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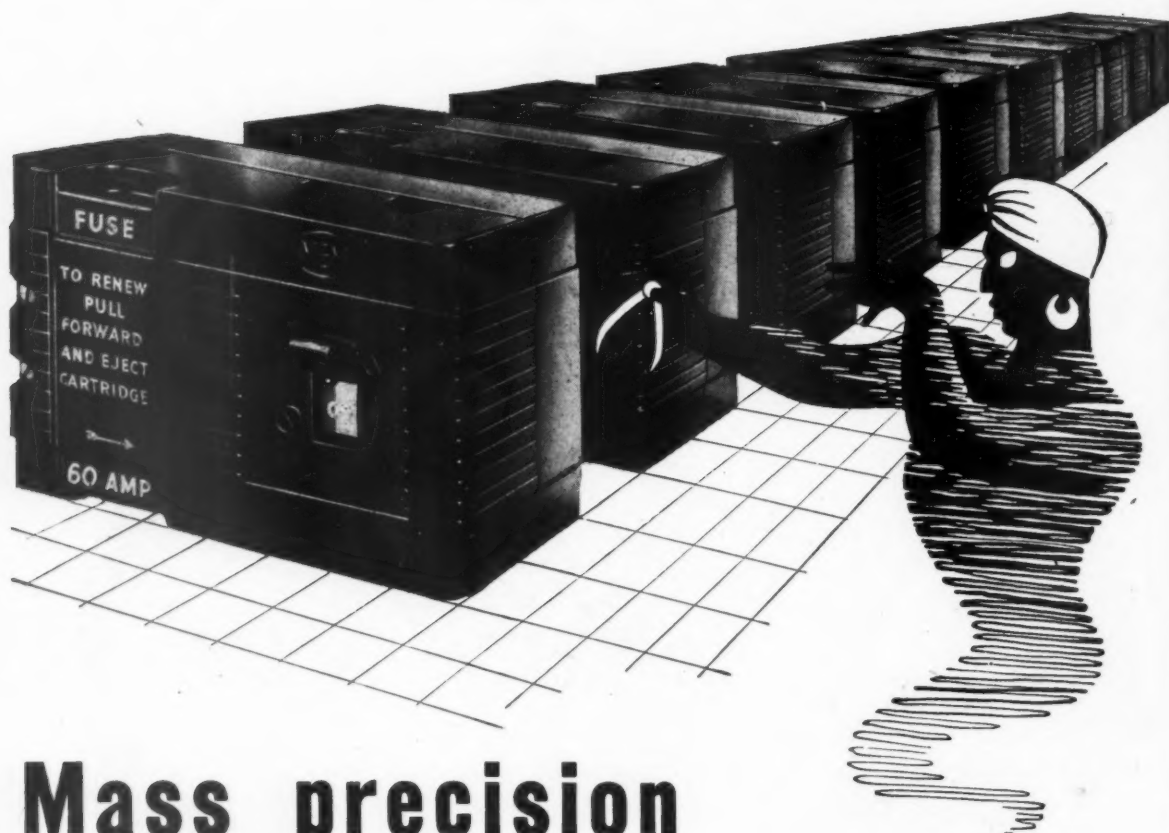


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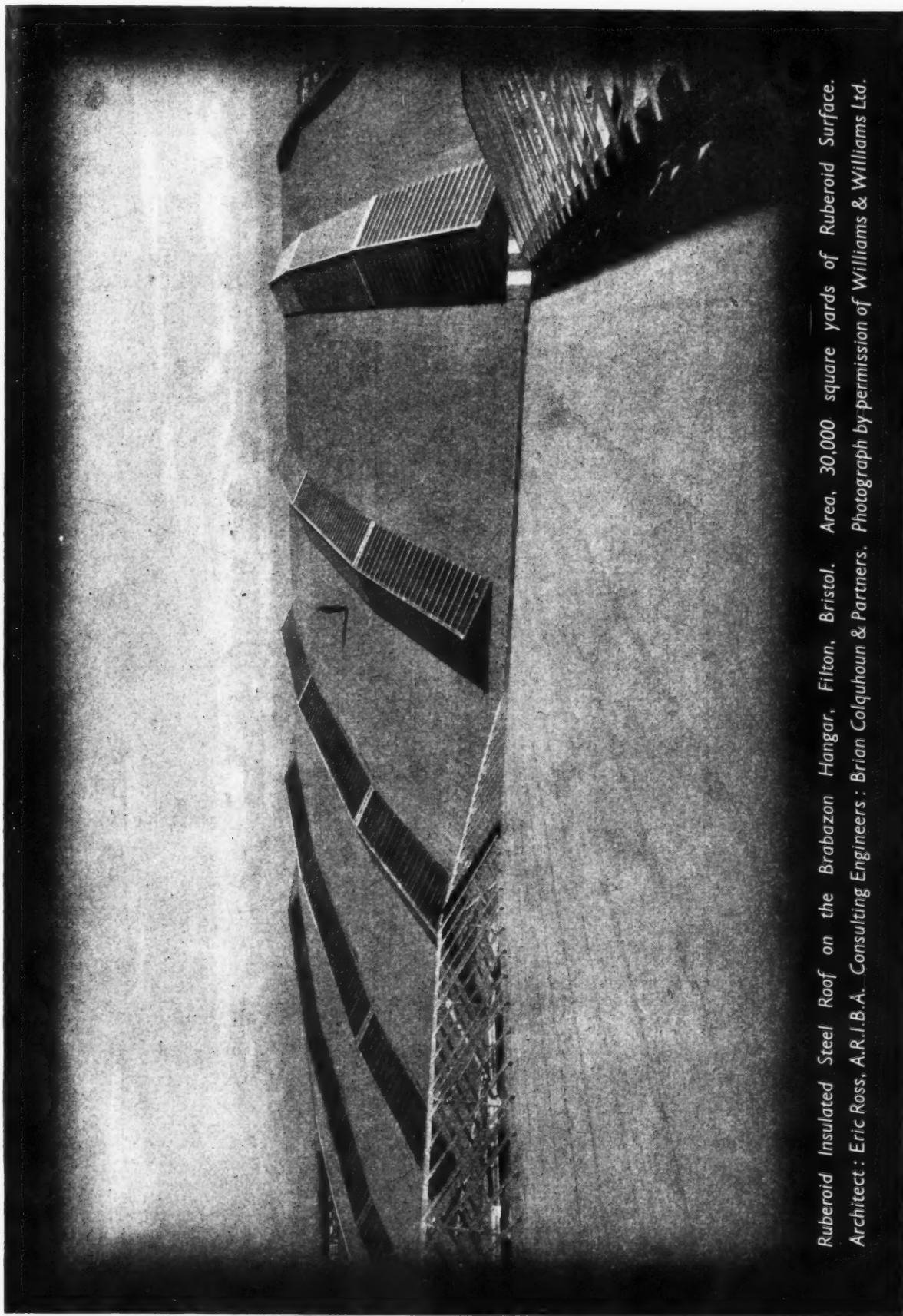
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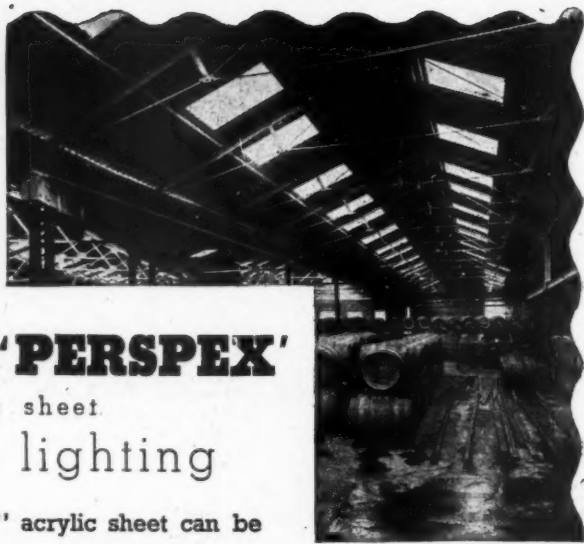
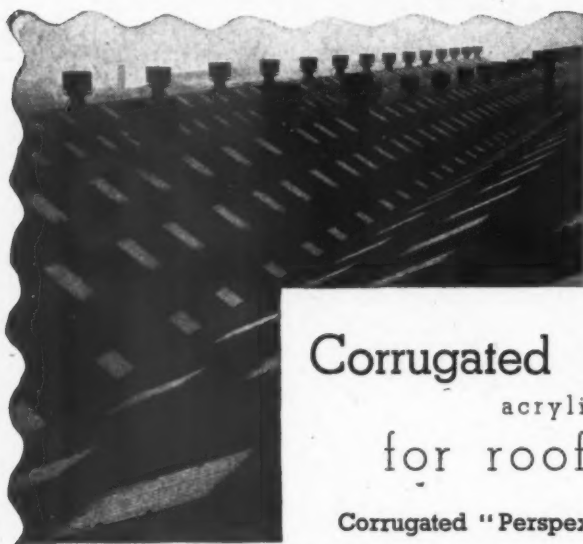
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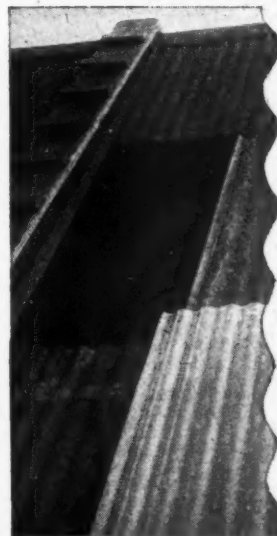
R. 39



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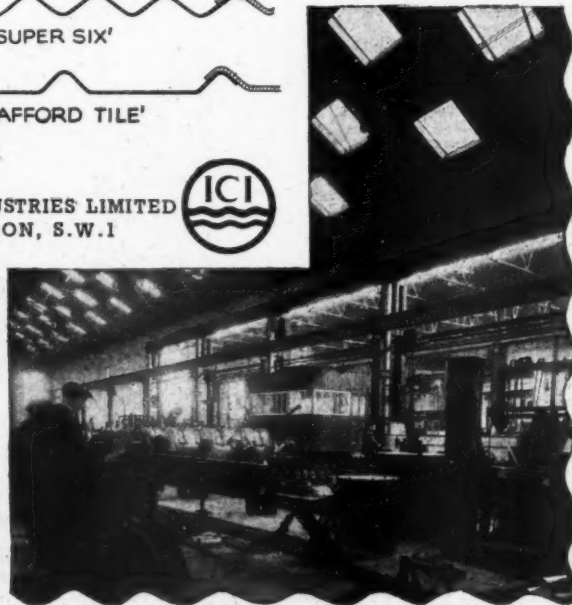
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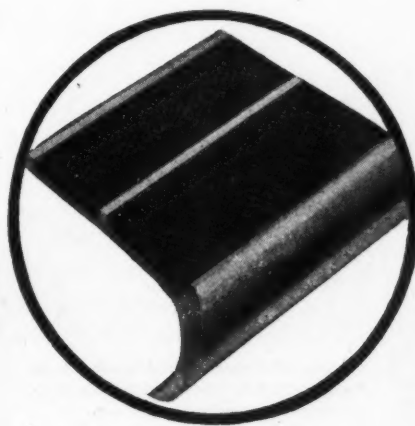
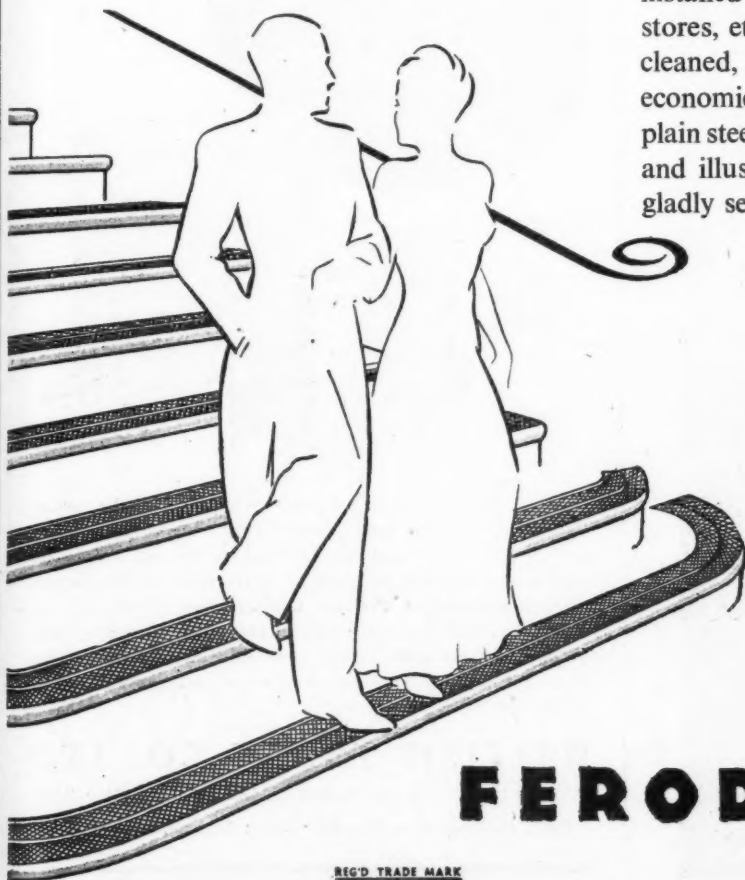
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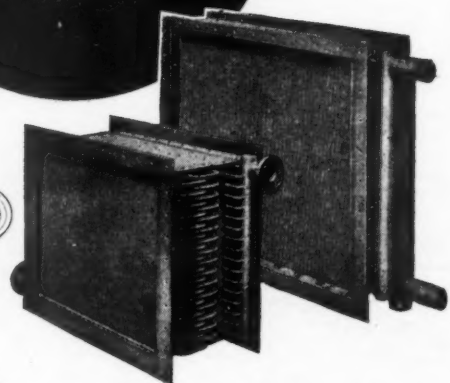
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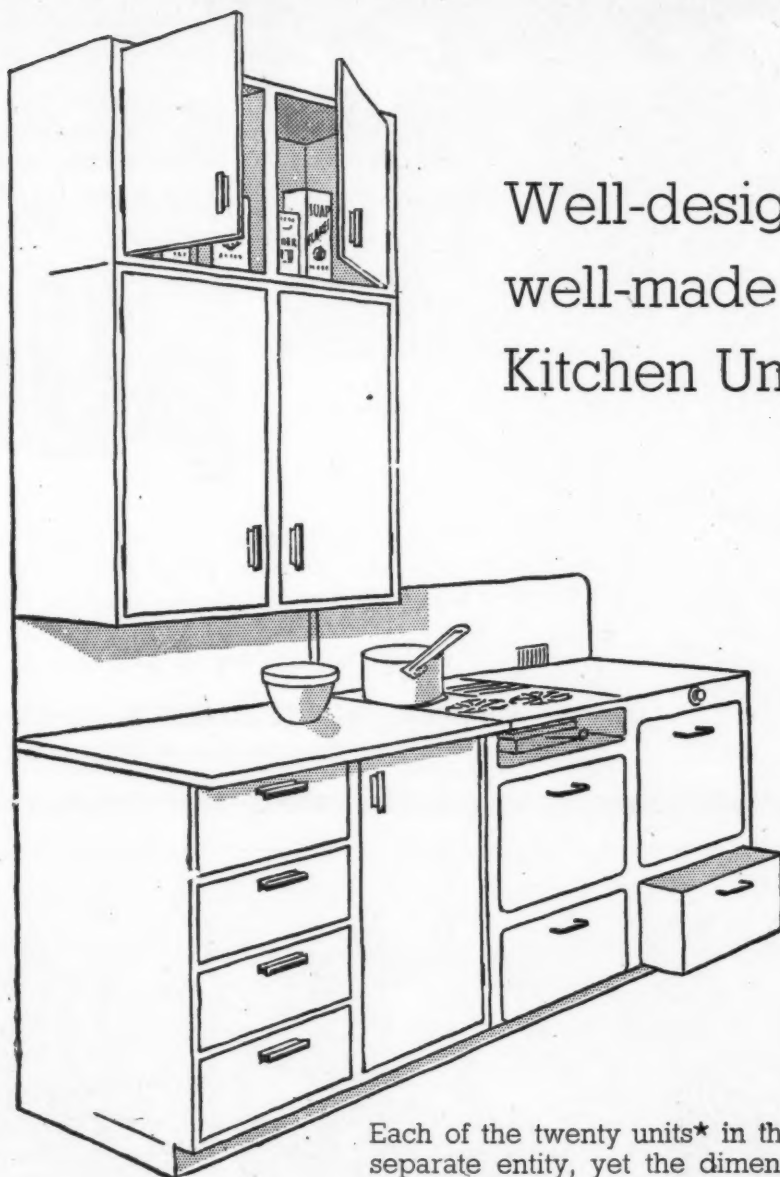


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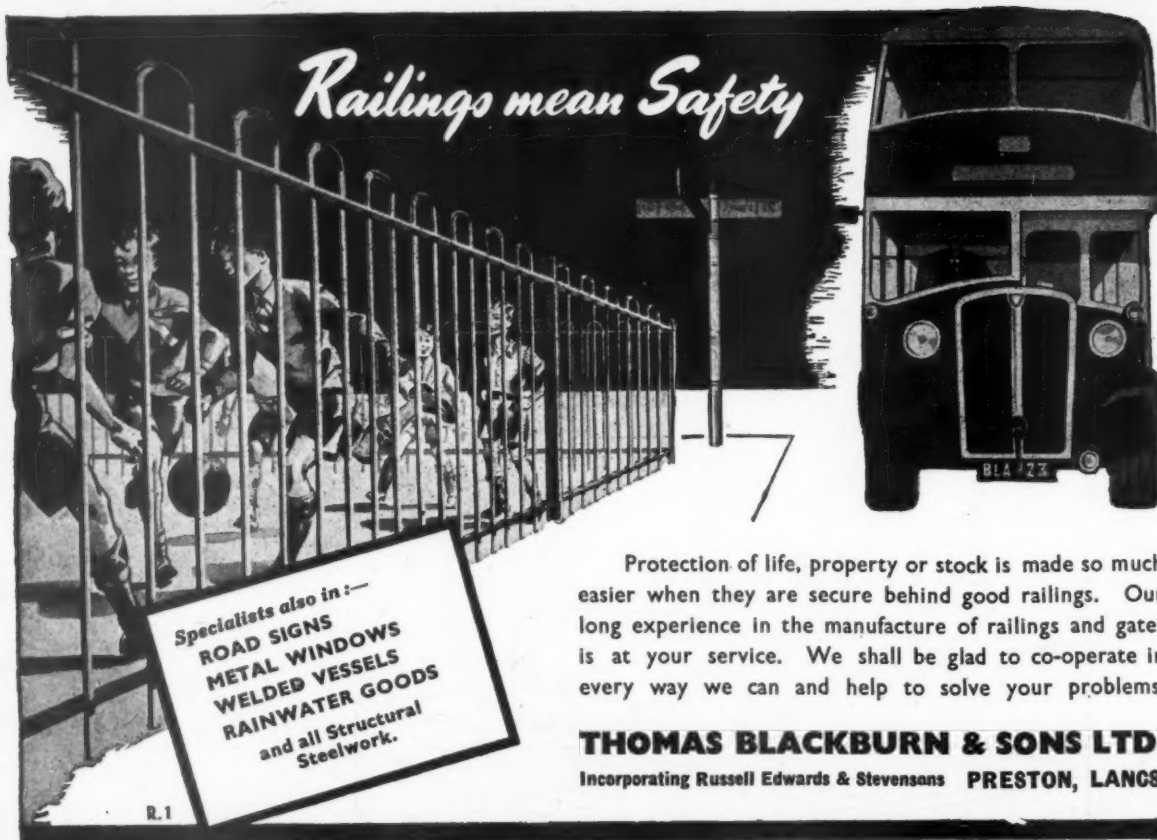
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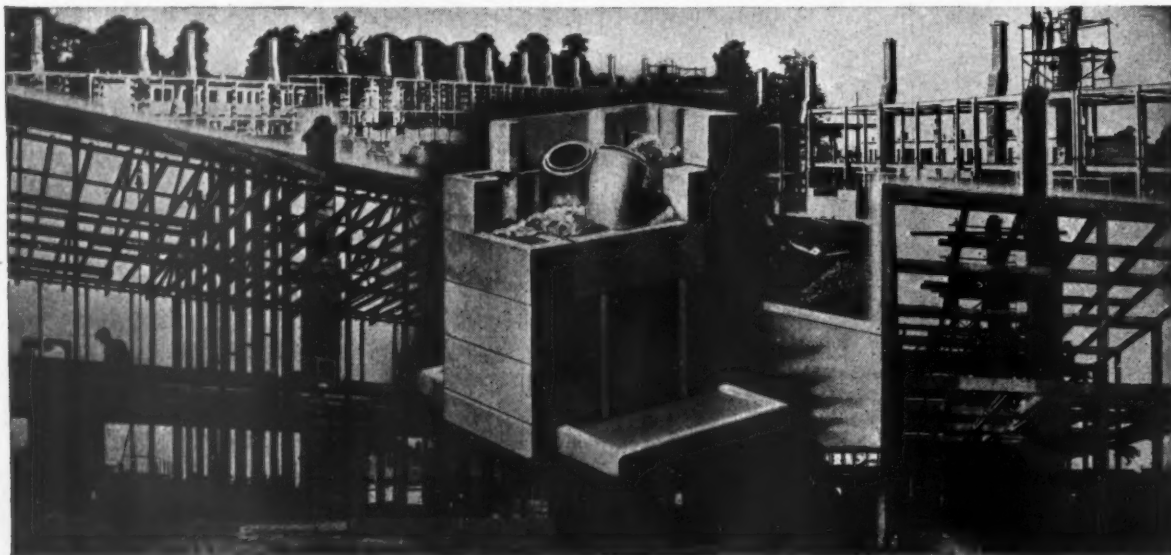
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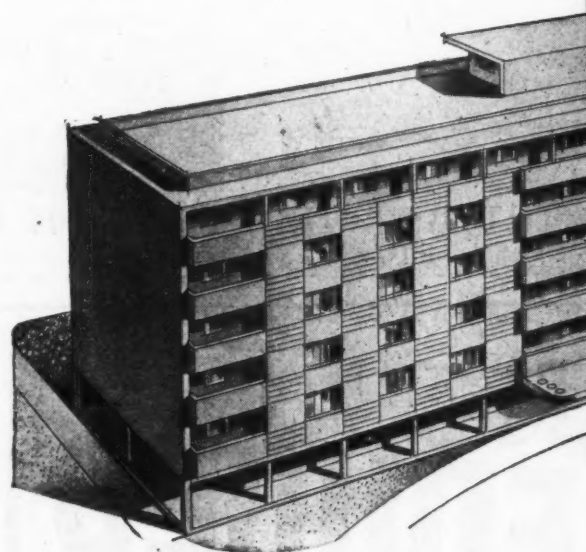
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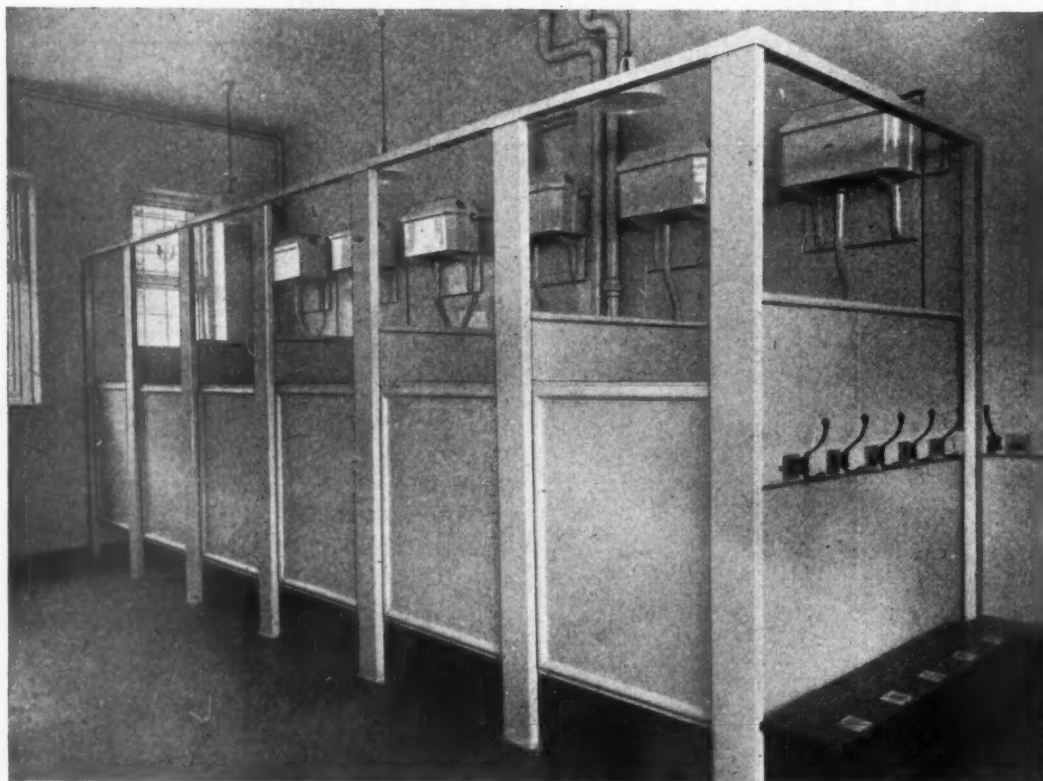
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DIARY FOR OCTOBER NOVEMBER AND DECEMBER

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

BIRMINGHAM. *Design Week.* In the City Art Gallery. (Sponsor, CID.) UNTIL OCT. 16

GLASGOW. *Exhibition of Sadcolok Walling and Partitioning and Nerkorode Aluminium Rainwater Goods and Soilpipes.* At 29, Wellington Street, Glasgow. (Sponsors, Sadcolok Ltd. and T. B. Campbell & Sons, Ltd.) UNTIL OCT. 16

LONDON. *Exhibition of Prints and Sculpture.* At Whitechapel Art Gallery. (Sponsor, Whitechapel Art Gallery.) Week-days 11 a.m. to 6 p.m., Thursday 11 a.m. to 8 p.m., Sunday 2 p.m. to 6 p.m. Closed Mondays. UNTIL OCT. 31

Gordon Hemm. *Exhibition of Drawings and Watercolours.* At the Kensington Art Gallery, 15, St. Mary Abbot's Terrace, W.14. (Sponsor, Kensington Art Gallery.) UNTIL OCT. 23

The English Home. A series of lectures. H. S. Goodhart-Rendel. 19th Century. Oct. 19. Gordon Russell. 20th Century. Oct. 26. Lectures begin at 7 p.m. The chairman at each lecture will be F. R. Yerbury. At the Geffrye Museum, Kingsland Road, E.2. (Sponsor, Geffrye Museum.) OCT. 19, 26

Exhibition of Housing Work of the Borough of Mitcham. At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) OCT. 18 TO NOV. 7

J. T. Finch. *Standards of Practice in Domestic Sanitary Engineering.* At Caxton Hall. (Sponsor, Institution of Sanitary Engineers.) 6 p.m. OCT. 19

P. L. Leigh Breese. *The Guinness Trust Holiday Home at Newhaven.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) Lunch, 12.45-1.15 p.m., 2s. 6d. Talk, 1.15-2.15 p.m., 6d. OCT. 19

Clifford Holliday. *The Master Plan for Stevenage New Town.* At the Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) 6.15 p.m. OCT. 20

Lord Meston. *Legal Implications of the Town and Country Planning Act, 1947.* At the RSA, John Adam Street, W.C.2. (Sponsor, IAAS.) 6.30 p.m. OCT. 20

Unveiling of the Joint Memorial to Admirals of the Fleet, Lord Jellicoe and Lord Beatty in Trafalgar Square, by the Duke of Gloucester. OCT. 21

Donald Gibson. *A Review of Coventry from an Architect's point of view, 1938-48.* A course of two lectures. At University College Embryology Theatre, Gower Street, W.C.1. (Sponsor, London University.) OCT. 15 AND 22

One Day School on the 1947 Town and Country Planning Act. At the Institution of Civil Engineers, Great George Street, S.W.1. (Sponsor, TCPA.) OCT. 23

Design at Work Exhibition. An exhibition of Industrial Design. At Burlington House, Piccadilly. (Sponsors, RSA and CID.) FROM OCT. 26

MAIDSTONE. Discussion. *Architects, Builders and Operatives.* At the Maidstone Technical Institute, Tonbridge Road, Maidstone. (Sponsor, S.E. Society of Architects, Maidstone Group.) 7 p.m. OCT. 19

MANCHESTER. *Timber as an Engineering Material.* A course of Post Advanced lectures in Building and Civil Engineering. 1948: B. Alwyn Jay. *Structure and Composition of Wood.* Oct. 20: B. Alwyn Jay. *Characteristics of Wood and Related Properties.* Nov. 3: P. O. Reece. *Wood in Relation to Elastic Theory.* Dec. 1: F. D. Silvester. *Selection and Grading of Timber.* Dec. 15, 1949: P. O. Reece. *Loads, Designs and Stresses.* Jan. 6: R. T. Walters. *Structural Design.* Jan. 26: F. D. Silvester. *Connections.* Feb. 9: P. O. Reece. *Plywood.* Feb. 23: B. Alwyn Jay. *Posts and Preservation.* March 9: P. O. Reece. *Comparative Efficiency of Timber in Relation to Other Materials.* March 23. At the College of Technology, Manchester. (Sponsors, TDA in collaboration with the Regional Advisory Council for Technical Education.) OCT., 1948, TO MAR., 1949

PORTSMOUTH. Max Lock. *Town Planning and the Citizen.* At the Main Hall, Municipal College, Portsmouth. Chairman: Kenneth Campbell. (Sponsor, ABT.) 7.30 p.m. OCT. 29

WEMBLEY.—*Wembley Civic Industrial and Commercial Exhibition.* At the Civic Hall, Exhibition Grounds, Wembley. UNTIL OCT. 23

COMPETITIONS

Secondary Modern School at Nunnery Farm, Spetchley Road, Worcester, for the City of Worcester Local Education Authority. Premiums, £400, £200, and £100. Assessor, John B. Surman, F.R.I.B.A. Conditions from the Secretary for Education, Education Department, 4, Copenhagen Street, Worcester. Deposit, £2 2s. Closing date, February 21.

NEWS

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

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

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

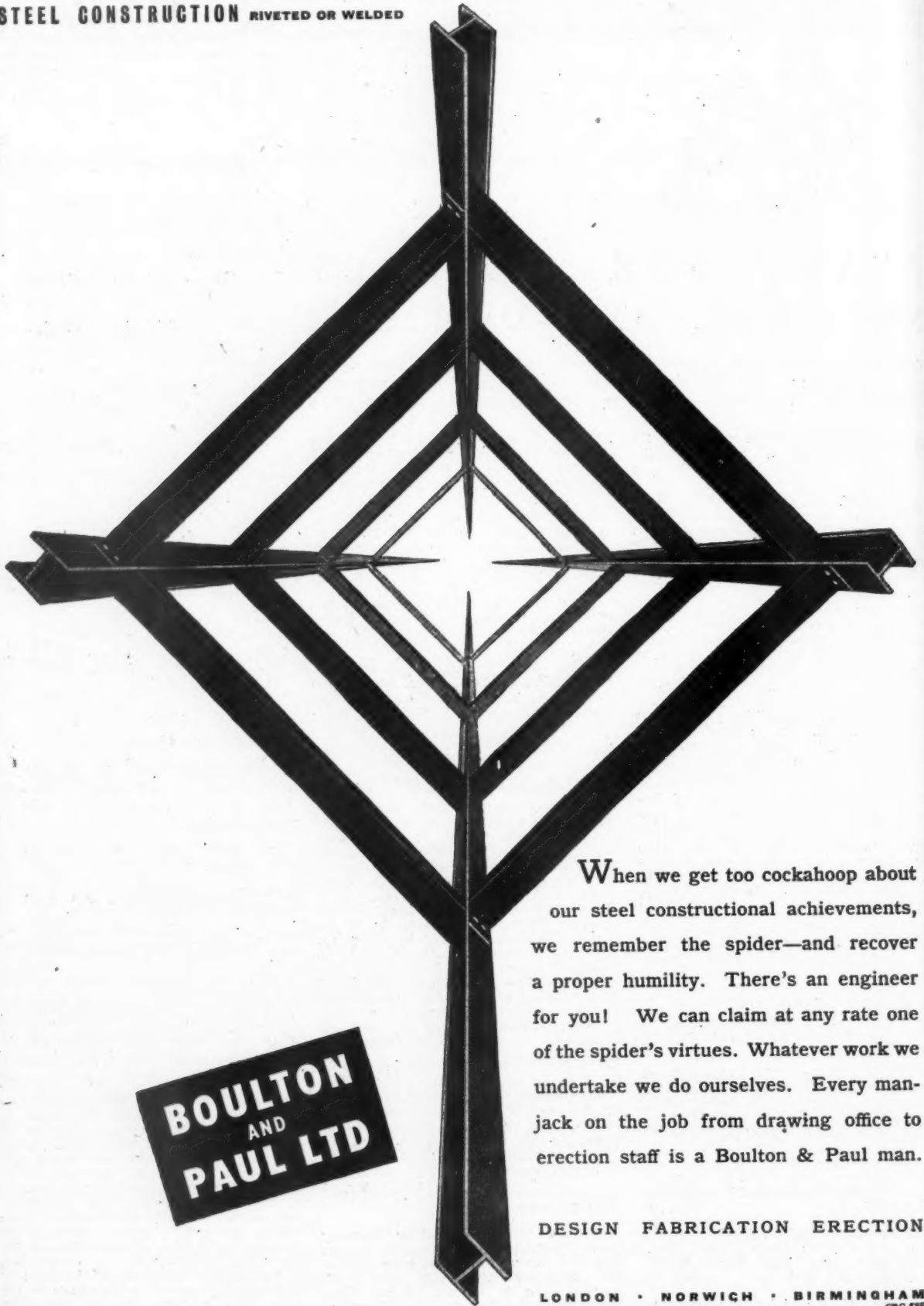
Any feature marked with more than two stars is very big building news indeed.

It is feared that the CAMBRIDGE BACKS will be spoiled by the discharge of trade waste into the River Cam.

A public meeting was held at Cambridge last week. A resolution was moved by Professor Sir Lionel Whitby, Master of Downing College, and was carried. It will be sent to the Ministers of Health and Agriculture and is in the following terms: "That this public meeting, representative of the various authorities and interests in the borough, university, and County of Cambridge, expresses its grave concern at the frequent occurrences of dislocation of the River Cam, and deplores the present state of law whereby the powers of the statutory authorities appear to be inadequate to enable them to take effective preventive measures."

It was stated that at times the river smelt like creosote and was coloured like whisky.

STEEL CONSTRUCTION RIVETED OR WELDED



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DESIGN FABRICATION ERECTION

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C.R.C. 358

From AN ARCHITECT'S Commonplace Book

TASTE AND OPINION. [From *The Architecture of Humanism*, by Geoffrey Scott (Constable & Co.). Reprinted 1948.] There may, at the present time, be a lack of architectural taste: there is, unfortunately, no lack of architectural opinion. Architecture, it is said, must be "expressive of its purpose" or "expressive of its true construction" or "expressive of the materials it employs" or "expressive of the national life" (whether noble or otherwise) or "expressive of a noble life" (whether national or not); or expressive of the craftsman's temperament, or the owner's or the architect's, or, on the contrary, "academic" and studiously indifferent to these factors. It must, we are told, be symmetrical, or it must be picturesque—that is, above all things, unsymmetrical. It must be "traditional" and "scholarly," that is, resembling what has already been done by Greek, Roman, Mediæval or Georgian architects, or it must be "original" and "spontaneous," that is, it must be at pains to avoid this resemblance; or it must strike some happy compromise between these opposites; and so forth indefinitely.

An MOTCP inquiry into the new town plan for LAINDON, ESSEX, was held last Thursday.

Most of the private objectors complained that they would be losing their freeholds in return for leaseholds. The Ministry's inspector said that it was felt that freeholds should be vested in the community and not in private owners. A senior Ministry official said that there would be little disturbance of existing properties within the first ten years of the new town's development, and that when disturbance later became necessary, reasonable alternative accommodation would be offered. It was emphasized that purchases would be made only for development and that compensation would be made as soon as land was acquired. The results of the inquiry are to be announced.

approved the modified standards the architects began to design a series of new urban houses of 800 square feet and with a bathroom downstairs. Both urban and rural types were put out to tender in February, but in view of the increase in interest rates the prices tendered would have led to too high a rent and the plans had again been revised. For the present year the Trust's new contracts were limited to 750 houses, though roads would be ready for much greater numbers. This building would be largely in the provincial towns and in rural areas.

It was clear that supplies would continue to be difficult. While the Trust was informed that the cement available for its work would be approximately fifty per cent. more than the previous summer, this was still below the quantity needed for speedy building. Plumbing goods were in short supply and but for the number of houses

the Trust was building by non-conventional methods the supply of bricks would have proved inadequate.

The Trust's earlier economies were able to off-set the increase in building costs during the year, but the advance in interest from two-and-a-half to three per cent. when capitalised, was equivalent to adding £150 to the cost of the house. Even the latest economies had not been able to cover this, and unless what should be essential was to be sacrificed, either rents must rise or the costs of building be reduced. For all public building, where rent is a vital factor, the situation is "profoundly serious." At March 31, 1948, the Trust had contracted for 4,796 houses. Of these, 2,510 were under construction but not completed, and 914 were completed. The latter figure, with 214 completed prior to April 1, 1947, brought the total of houses completed at March 31 to 1,128.

★ *The Northern Ireland Housing Trust has issued its THIRD ANNUAL REPORT.*

At March 31, 1948, the Trust had completed 1,128 houses, the corresponding figure in the Trust's second report being 214; 689 houses have been built in the five months since the period covered by the report, making a total at August 31 of 1,817 houses completed. The report for the year ended March 31, 1948, refers to the cement shortage in 1947, and points out that because of this the hopes of the Trust, which had expected to achieve two thousand houses in its third year, sank to one thousand. Early in May it became clear that the situation which had arisen in Great Britain of too many houses having been started for the amount of materials available was arising in Northern Ireland and the cement crisis brought this to a head. The only realistic course was to start no more houses until supplies were again adequate, and after consultations the Trust issued no new house contracts for a year.

In a reference to costs and rents, the report points out that Trust houses are built for families to whom a vital consideration is rent, which depends entirely on cost. Costs had continued to rise during the year and were a constant anxiety. Early in the year the Trust came to the conclusion that drastic steps were necessary to meet rising costs. By July it had been decided that no economy in roads would be sufficient to meet the rise in costs and that economies must also be made in the houses. This view was put to the Ministry of Health and Local Government and, agreement in principle being reached, the Trust's architects started to re-design the houses completely. No reduction in the Ministry's room sizes was made and sound standards of construction were maintained. The final recommendations were accepted by the Ministry and were issued for general application. As soon as the Ministry



The far-reaching provisions of the 1944 Education Act are widely appreciated on the Continent, and the progress of the new school building programme is closely watched. The chief architect to the Czech Education Ministry Mr. K. J. Lavotka, has recently been in this country for a visit of several weeks in order to gain information at first hand of the way in which our school building problems are being tackled. The photograph above was taken after a recent luncheon at the RIBA and shows Mr. H. V. Lobb (centre), who has designed three of the first post-war schools to be built, chatting with Mr. Lavotka (right) and his interpreter, Mr. Stanislaw Maran.



Palladio in the Theatre

The photograph above shows the décor for the *Oedipus* of Sophocles that was produced for last week's Italian stage festival at the Cambridge Theatre, London. It is a copy in wood of Palladio's permanent stage set in exaggerated

perspective, for his Olympic Theatre at Vicenza, which opened with the same tragedy in 1585. This modern adaptation was made in Italy by a firm of scenery constructors and shipped to London for erection.

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★★ MOTCP is assuming responsibility for the REBUILDING OF CENTRAL AREAS.

Following the announcement made recently by the Parliamentary Secretary to the Board of Trade in the House of Commons that the Government has decided to authorise a start on the rebuilding of blitzed cities, Mr. Silkin, Minister of Town and Country Planning, has stated in reply to a Parliamentary Question that his Department will be responsible for dealing with any proposals. The Ministry is responsible for approving local authorities' plans for reconstruction, and it is therefore appropriate that the Ministry should also accept responsibility for sponsoring the carrying out of the plans. The Ministry stresses that this decision does not alter the existing responsibilities of other Departments—of the Ministry of Works for building labour and materials, of the Board of Trade for sponsoring urgently needed factories or shops, of the various Production Departments for their own programmes, etc. But where overriding economic necessity for starting work on a particular building does not exist and a local authority want to start the rebuilding of a blitzed city centre as the nucleus of their new plan, they should settle their programme with the Ministry of Town and Country Planning, who will consult with other Departments as necessary. The Ministry emphasise that the start can only be a very small one in view of the other demands on building labour and materials, and in particular of the difficulties over steel.

★ *The conversion of the Thames towing path between Teddington and Cricklade into a PUBLIC RIVER-SIDE WALK has been proposed.*

The proposal will be considered at a meeting of the Thames Towpath Committee to be held during the autumn. At a meeting held last January, it was agreed that local planning authorities should be asked to zone a strip of land of a minimum width of 25 ft. as a public open space in order to facilitate the development of the walk. Since then, a survey has been completed for the Committee by the Thames Conservancy Board. It was also suggested in January that the expenses of the project should be met out of a common fund. The new walk has been planned to follow the towpath as closely as possible, but deviations have been made where it is considered advisable, principally at Old Windsor, Harpsden Ferry, and between Tilehurst and Mapledurham. In addition, nearly 13,000 ft. of towpath have been scheduled as needing protective work in sheet piling, although much of this work is already being carried out as normal procedure. The desirability of schemes of this kind, in connection with inland navigable waterways, now that they have been nationalised, was advocated in the JOURNAL for March 4.

A complete GEORGIAN ROOM has been added to the Hove Museum of Art.

The room was recently opened by the Mayor of Hove. It contains a Chippendale settee in the Chinese taste, a wine table, a stool in the French style, and a pair of Chinese rococo elbow chairs. There is a chandelier in gilt wood, and a marble chimney-piece after Adam. The decoration is in the appropriate period style. The objects have either been bought from the Wilson Bequest, presented by the Hove Art Collections Fund Association, or were gifts or loans from private sources.

THE MINISTRY OF HEALTH'S REPORT ON HOUSING COSTS

IN 1945 and 1946 official statements were frequently made that building costs must come down, and that high costs after the war should be only temporary. The first review of the position has now been published, and Professor Bowen discusses it on another page. The Report of the Committee set up by the Ministry of Health has to record that the cost of building a house was not only very much higher in 1946-7 than in 1938-9, but that there was no immediate prospect of a decline.

The Committee does not offer any specific recommendations on many of the questions that it passes under review; on several important questions such as direct labour, competitive tendering, pre-fabrication, and the prices of building materials it tends to be either non-committal or faintly approbatory of the status quo. Its main recommendations relate to the types and sizes of the houses that ought to be built. First, it suggests that there should be a larger proportion of two- instead of three-bedroomed houses, and secondly that the "increase in the size of houses" and the "more elaborate equipment" should be "reviewed"—which, as Professor Bowen points out, can only mean reduced.

The first of these recommendations is logical, and has been urged for some time by those closely connected with the detailed problems of re-housing in certain areas. Wherever, as in Kearsley, a careful survey has been made by the local authority of the precise needs of the families seeking homes, the absurdity of the three-bedroomed formula has been revealed. But it is to be hoped that one rigid formula will not, as a result of the committee's suggestion, bring another. Not all authorities need two-bedroomed houses, and in some places an exceptionally high sprinkling of four- to five-bedroomed houses is a necessity. It has never been clear to us, incidentally, why a policy of pooling rents and charging differential rents to different sized families has not been more widely adopted as a means of alleviating one part of the economic hardships that afflict families containing large numbers of children.

The second proposal of the committee will no doubt be resisted by the Minister of Health. He will have some solid arguments on his side. It is perhaps slightly tendentious of the committee to write of "more elaborate equipment" as though the modern council house were a luxury article. Houses before the war frequently, for example, contained no hot water system; the new standards introduced are not inconsistent with modern ideas of what a good utility house should be.

As the committee itself points out, the percentage of the national income being invested in new housing is now less than before the war. True, it is producing fewer houses. But is it not, on a long view, better economics to produce

rather fewer good houses than rather more of a type that will be obsolete in twenty years' time? The public does not complain of the new standards. Most grumbling on this score has been because first-class equipment seemed to be wasted on *temporary* houses, that need to be replaced in ten years' time. But in general, there has been no complaint, during the most acute housing shortage in history—from 1945-1948 when the first 750,000 dwellings were provided—that people have had to wait a few months longer for a house that was a modern house, and not some committee's idea of the skimped article good enough "for the likes of us."

By all means let the Committee find ways to reduce the cost of building. But on the question of size and amenities it ought to think again.



The Architects' Journal

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

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

NEW TERRITORIES AND NEW TOWNS

On Wednesday of last week architects planning an evening out had to make a difficult choice between the Waldorf Hotel, where the Town and Country Planning Association were celebrating the fiftieth anniversary of the publication of Ebenezer Howard's *Tomorrow*, and Bedford Square, where the AA had captured no less a lion than Richard Neutra, in England for a flying visit. Astragal was unable to go to either, but received good accounts of both from colleagues who were. At the AA, as is usual on these occasions, late comers had not a chance, and could only hope to catch a stray word floating through the curtained half-opened windows of the Square.

The subject of Mr. Neutra's talk was "Architecture and Education." The

architecture was in the 40-odd Kodachromes of his buildings and the education was in his talk, delivered, I am told, in a delightfully informal manner. It is always a treat to hear a great architect talk about the problems of our profession without involving himself in spatial concepts and volumetric relationships. Neutra is clearly of the opinion that the architect's job is primarily to design buildings that are cheap, pleasant and adequate, and make the best use of contemporary technology. If he did not talk much about art it is because he takes that for granted as the individual contribution of the architect, which comes from doing the job with imagination and understanding and cannot be artificially pumped up through aesthetic formulae.

Neutra, who has designed and built many buildings in Puerto Rico, pointed to the development of largely uninhabited parts of the world as the great opportunity for the young architect. He was able to cite his own Kaufman house in the Colorado Desert as an example of the possibility of making the desert habitable. He said that our technological civilization had not spread as it should and there is plenty of work for architects in the spreading of it.

TRUE URBANITY

The Ebenezer Howard bicentenary dinner also drew a large crowd, which was entertained with speeches by Mr. Herbert Morrison, Sir Patrick Abercrombie and Mr. Richard Reiss, Vice-Chairman of the new Welwyn Development Corporation to whom the Howard Memorial Medal was presented during the evening. Sir Patrick said that all

flats were an abomination, though unfortunately some of them had to be built in towns. I hope he didn't mean it and was only trying to please an audience of garden-city fans.

Speaking of garden-cities, there is an appeal I would like to make to garden-city enthusiasts generally and to members of the Town and Country Planning Association in particular. I am afraid it will annoy some of them, but I mean it seriously and I hope they will take it in the same spirit. Admirers of Ebenezer Howard's theories are quite justified in claiming that the New Towns policy represents a belated admission, on the part of the Government and its expert advisers, that he was right. But when they talk about the New Towns, and praise the idea on which they are founded, I wish they would leave Letchworth and Welwyn out of it.

Letchworth and Welwyn of course have their virtues and obviously suit many of the people who live there—these are, in fact, their most vocal admirers. But they are not what most people want and there is no doubt that many of the future inhabitants of the New Towns—whose co-operation it is vitally important to obtain beforehand—mistrust what is being planned for them because they think they are going to be asked to live in new Welwyn Garden Cities.

One admires the loyalty that living at Welwyn seems to inspire, and it may be hard to ask the TCPA to stop putting it forward as the answer to Howard's dreams. It is only one among several possible answers; and the low density, the scattered, only half-urban, effect—to say nothing of the rather self-conscious artiness—that most people associate with Welwyn are not demanded by his definition of a satellite town. I suspect that Howard himself would find these qualities quite irrelevant and would himself demand that the New Towns should provide the truly urban environment that people certainly want.

Howard's was—and is—a fine ideal, but the best way the TCPA can serve the cause they believe in is by concentrating their efforts on explaining how his ideal can be achieved in a fashion



Chiesa Nuova, Assisi. A sketch by Hugh Casson from the exhibition of his drawings on view at the AA until October 22. See Astragal's note.

different from the way it has been achieved at Welwyn. Mr. Morrison, in his speech after the TCPA dinner, stressed the importance of the New Towns not all conforming to the same type. I take this to mean that, as a life-long dweller in the Metropolis, he feels as I do, especially on the question of density.

PLANNING IN PUBLIC

Anybody who got hold of a copy of the book on Andre Lurçat's Villejuif school when it was published some years ago will remember that not only were the names of all the draftsmen who worked on the scheme printed in it, but also the names of all the workmen who contributed to its building. This appreciation of architecture as a collective effort has been followed up by the same architect now that he is chief planner and architect for the reconstruction of the well-nigh destroyed town of Maubeuge.

I learn from a correspondent that not content with getting a local committee together to represent all the various interests involved in replanning, Lurçat

took an office in the centre of the town and arranged to be available there himself. To this office could come, and apparently did come, innumerable inhabitants to get first hand information on the planning proposals and to present their own views on the multitude of problems arising. Finally, Lurçat called a town meeting, explained the general lines of the plan and invited comments and criticism. The plan has now been approved and, wonderful to relate, the dozens of individual proprietors of land in the town have agreed to a regrouping of their plots and have thus made planning possible. In spite of difficulties, no less serious in France than here, good progress has already been made in the rebuilding of the central parts of the new town.

CASSON'S GRAND TOUR

I suppose most architects profess to keep a sketch book, but, like diaries, only the first few pages are ever filled. One remembers only too well the sense of guilt which accompanies the discovery on one's return home of an unopened sketch book at the bottom of a holiday suit-case. Holiday plans

and resolutions to paint go all awry when confronted by unfamiliar climate, views and food. Days are too hot, too windy, or that interesting little building has too many twiddly bits. The paraphernalia of sketching is also so distracting, the different grades of pens, pencils and paper, the fascinating easel cum paint-box contraptions: there is always one more gadget necessary before one can turn out those effortless little sketches.

However, visitors to the AA this week and next will be able to see the work of an architect who really does travel with an open sketchbook and ready pen. Hugh Casson is showing some forty ink-and-wash sketches. The subject varies from Italian architecture (a typical example is shown on this page), to views at a point-to-point meeting in England. One drawing in particular sticks in my mind, a very simple affair of bare trees and people struggling against a wind. It is untitled, but anyone who has ploughed through Kensington Gardens on a bleak winter's day will recognize the place and atmosphere immediately.

The technique is easy, ever since student days we've learnt the necessity of being able to knock off five minute sketches like these for our clients. It is only that when I try I can never get that fresh, open-air effect. Perhaps I should try a finer pen on rougher paper, or is it the other way round?

ASTRAGAL

LETTERS

(Peter Callender

Alwyn F. Ward

Why be an Architect?

SIR.—I was interested in Astragal's notes on the Midlands' builder who sells plans of a house for 25s. Recently I met a remote relative of my wife's for the first time. This young man is outside manager of a large building firm. He informed me that in a comparatively short time he had had plans passed by the local authority for a variety of jobs amounting in value to over £80,000. In my innocence I asked whether one did not have to be a Registered Architect to sign such plans and was informed that there was no infringement providing he did not sign himself "Architect."

The previous year this young man had signed for £120,000 worth of work which he had done privately in this way. He

admitted that the only training he had was the Building Construction drawing classes that any young joiner must take. My young friend is in the privileged position that he can give an accurate probable cost with ease, then, if this is found suitable to his client, he can turn the job over to his own firm on a commission basis.

I expressed no great curiosity in the rather delicate circumstances and so saw none of his work, but I did wonder whether the Registration Bill was worth while. Even future generations are not to be safeguarded against the speculative builder.

A nice income from all sources, plus security, for a young man promoted from the work-bench. As Astragal says, "Why be an Architect?" Motherwell.

PETER CALLENDER

British Railways' Crest

SIR.—I was delighted to read in the A.J. for September 23 that ASTRAGAL had taken up the cudgels against the somewhat incredible crest proposed for the rolling stock of British Railways. I feel sure that you have the support of all railway-lovers, among others, in your protest against the puerility of the design, aptly referred to by a local cartoonist (Alan Course, of the *Oxford Mail*), as depicting the British lion doing a balancing act on one wheel.

More power to your elbow, and may Mr. Christian Barman note the wisdom of your words!

Oxford

ALWYN F. WARD

THE COST OF HOUSE BUILDING

[by Ian Bowen]

The Committee appointed by the Minister of Health "to consider and keep under review" the cost of house-building has now issued its first report for England and Wales, and a similar report for Scotland from the corresponding Scottish committee may be expected shortly.

COST OF BUILDING A THREE-BEDROOMED HOUSE

The first task of the Committee was to establish what the final building cost of post-World War II local authority houses really was. Very few final costs were available to them. The reason, or excuse, for this deficiency of information is that many contracts are not finally closed until (a) all fluctuations and variations have been agreed, and (b) the "maintenance period" during which the builder is liable for defects in the house has elapsed. Not to be deterred by these difficulties, the Committee worked from the average level of tenders in the middle of 1946, and made its own allowances for variations due to the increased cost of materials, extra labour costs and other causes.

On this basis the three-bedroomed local authority houses being completed in October and November, 1947, cost £1,242 each to build, £1,170 of this representing the tender price and £72 the allowance for extras. If the Committee had done no more than produce this useful estimate, which subsequent final costs, when available, are unlikely to upset very seriously, it would already have done a useful job.

SITE COSTS AND PROFESSIONAL FEES

The estimate of £1,242 relates to building cost only. If allowances are made for the

cost of land and site development, and for the quantity surveyor's and architect's fees, the total cost of a post-war house amounts more nearly to £1,400. Both these figures are, of course, averages, and the cost of building houses on particular sites or by particular authorities will have varied very considerably round these averages. The figures given in the *Economist* for July 10 were not inconsistent with the average reached by the Committee, but suggested that some boroughs came out 12 per cent. lower, while others were from 10 to 12 per cent. above the average; over the whole country the range may have been even wider.

CAUSES OF THE INCREASE IN COSTS

Chapter III of the Report presents an analysis of the increase in house-building costs; an 800 sq. ft. three-bedroomed house in 1938-39 cost £380, so the difference to be analyzed amounted to no less than £862.

One of the causes of the increase was the improvement in the size and standards of the houses built. The 1947 "typical house" was of 934 sq. ft., and had in addition an outbuilding of 95 sq. ft. The Committee lists these changes in construction and finish, and the improvements incorporated in the 1947 house—the use of 11-in. high cavity walls, of facing bricks more extensively than in 1938-9, the provision of a hot water supply, of towel rails, meter cupboards, lagging to pipes and tanks and other amenities. Of course, these extensions and improvements cost varying sums, but on a "typical" job, the Committee estimates, the increase in size (including the outbuilding) accounted for £201 in 1947, and the improvements for about £127. On this calculation, the £380 house, if built in 1947, would have cost about £914 (i.e., an increase of 140 per cent.), but with extensions and improvements as above the typical house of 1947 cost £1,242 (an increase of 230 per cent.). The causes of the increase in estimated cost from £380 to £914 can be summarized under two further heads:—

(a) Increases in wage rates, material prices, plant charges and overhead costs; and (b) the decline in the productivity of labour.

Before considering the committee's further analysis of these items, it may be as well to observe that, while the £1,242 is a figure closely related to returns of tenders with quite a small adjustment—i.e., it is based on facts—the detailed analysis of the rise from £380 to £1,242 is worked out presumably by pricing out items at 1938-9 and at 1946-7 prices. This estimate, too, is in a sense based on facts, but at a further remove than the total figure. This is not to say that the estimates necessarily give a false picture of the change; but it is essential to remember that larger percentage errors are likely to creep into a detailed breakdown than exist in the estimate of the total. The analysis of the charges in (a) and (b) offered by the Committee is not an analysis of final costs but a carefully worked out estimate for an assumed "typical" house.

This estimate suggests that wages-cost, including the increased cost of insurance, holidays with pay, and guaranteed time, increased by 50 per cent., materials by 74 per cent., plant by 3 per cent., and overheads and profits by 13 per cent. The slightest reflection on these figures makes clear the importance of warning that they are estimates rather than an analysis of returns. These percentages represent the estimated increase for these items on a similar sized house, ignoring changes in size.

If the new larger size is taken into account the increases were on labour 78 per cent., materials 124 per cent., plant 4 per cent., and overheads and profits 21 per cent.

Perhaps the Committee, before its next report, will be able to analyse a sufficient

sample of returns to check these interesting estimates—but the basis of selection of the sample must not be left to interested parties to decide. Are overheads and profits per house now averaging £104 as these estimates suggest? Do materials, on average, cost £699—or more or less?

PRODUCTIVITY IN THE INDUSTRY

The Committee gives a thoughtful review of the factors affecting labour productivity which, according to its estimates, fell on average by 31 per cent. between 1938 and 1947. It mentions the shortages of materials, the effects of war-time methods on the quality of labour, the serious overloading of the building industry (but does not mention imperfect management) as contributory causes, which are in general described as "various and complex." But in the Committee's view a serious factor has been "the lack of individual effort." In this connection the Committee notes that "differential grading and rewards are more widespread in the United States of America than in this country, and the subject is worthy of consideration by the authorities and representative bodies concerned." Thus the Committee certainly leaves a major problem on the plates of the Working Party, and of the trade unions and of all those concerned with the industry's reorganization.

Once again, the first step would be to analyse effectively the causes of low productivity on a number of sites. Time study, for example, might show where and how the so-called "lack of personal effort" is most serious, and thus suggest some means of remedy. The unions should make themselves experts in this field—and reflect that (to misquote) reputation lost can only be regained in the cannon's mouth.

THE CONCLUSIONS OF THE REPORT

The approach of the Committee to the rise in the cost of house-building has been barely outlined above. The Report has a series of tables, and both in the tables and the text it has brought together the best available estimates of the current position. Mr. D. W. Nunn, the technical assessor of the Committee, receives deservedly special thanks from the Committee for his assistance.

But the conclusions of the Committee perhaps are less fruitful than its review of the position. It suggests that the increase in the size of houses and more elaborate equipment of houses since 1938 "should be reviewed in the light of present-day conditions," or, translating, cut down because we are now too poor. The Committee observes that the trend of building material prices has followed the trend of wholesale prices generally fairly closely—and pursues this matter no further. It has "had no evidence" of excessive profits on house-building contracts; equally it had no evidence that "any substantial saving in cost has accrued from the use of any of the pre-fabricated or non-traditional systems of construction so far developed." They are cautious, too, on the comparison of direct labour with contract-built houses.

The weakness of these conclusions springs from the method of approach, and the (partly self-imposed) limitations of the Committee's terms of reference. At the outset, the Committee states that it was not constituted for "a study of the scope for improvements in building technique," and in several passages it rules out the consideration of changes in the organization of the building industry. Restricted in this way, it inevitably concludes that size and amenities of houses and labour productivity are the main factors to consider. It is as though a committee of inquiry into the conduct of a military campaign had to exclude consideration of the weapons needed and of the general staff; there would be not much left for it to recommend, except boosting the men's morale—and limiting the objective.



A typical terrace.

HOUSES AT RIDDELL STREET, CLYDEBANK

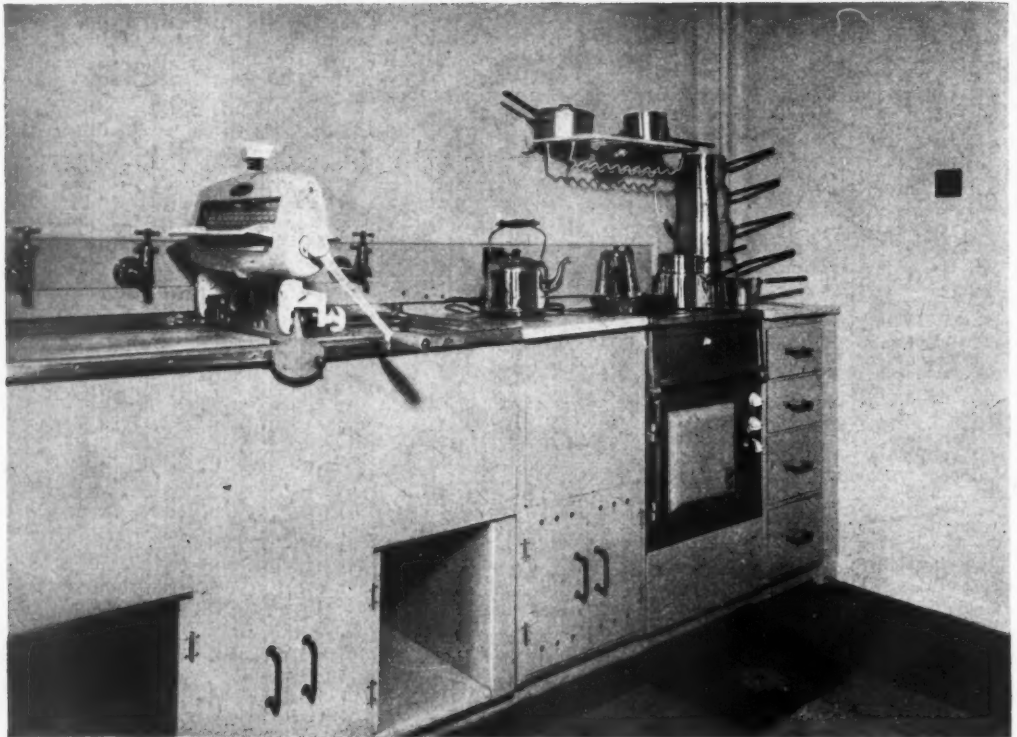
DESIGNED BY S. BUNTON & ASSOCIATES

Below, a living room, looking towards the dining recess.

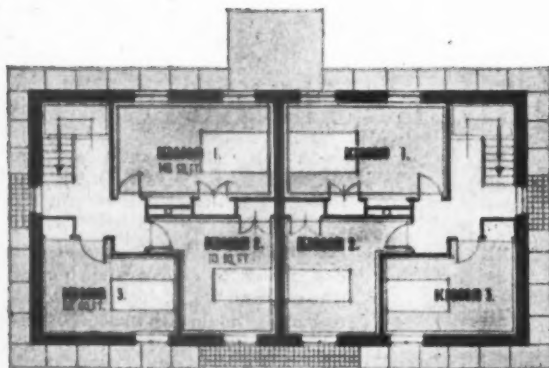


GENERAL.—The purpose of this design was to evolve a system of construction by which prefabricated units could be used in conjunction with any traditional method of house building. The units are those used in the Airoh house.

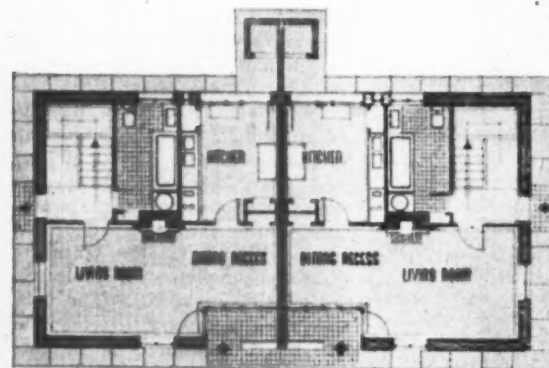
CONSTRUCTION.—The external and party walls are of brick. The roof unit is of light alloy sheeting on light alloy trusses, with insulating material above a plaster-board ceiling. On the completion of the carcass, floor units of joist and board panels, and plaster-board exterior wall units are moved into position through the door and window openings. The units are delivered complete with all electric wiring and apparatus. The only site work necessary to complete the house is limited to plaster-board on the external walls, attached to prefabricated frames, glazing, and finishing coats of paint and distemper. The general contractors are Blackburn (Dumbarton), Ltd.



Above, the kitchen unit, which is backed by the bathroom unit, right and bottom. The photograph, right, shows the plumbing duct and the hot water tank, with the cold water tank immediately above.



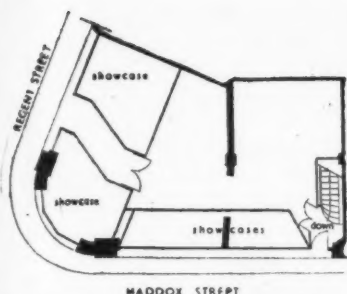
FIRST FLOOR PLAN



GROUND FLOOR PLAN



HOUSES AT CLYDEBANK BY S. BUNTON & ASSOCIATES



PLAN OF EXISTING SHOP

*The Regent Street front.*

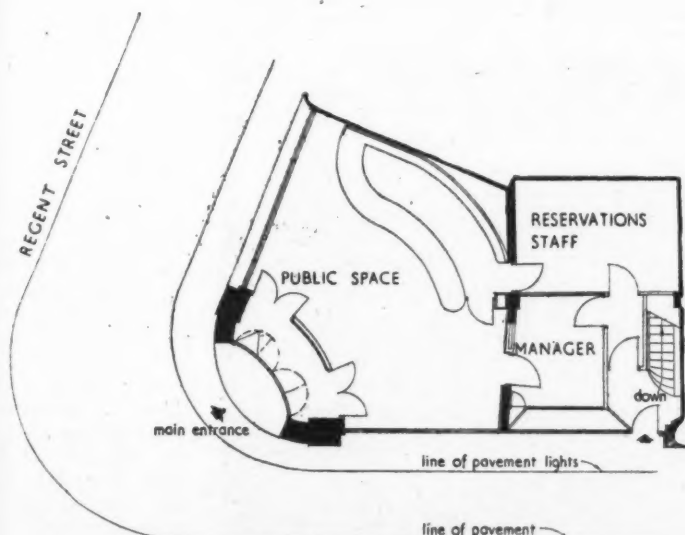
BOOKING OFFICE IN REGENT STREET

DESIGNED BY J. V. DOWNES & F. B. MEEHAM
ASSOCIATED ARCHITECT: GORDON TOPLIS

GENERAL.—The purpose of the scheme was to convert the ground floor and basement of a corner site in Regent Street, London, into premises for the Irish Air Lines booking office, together with the ancillary accommodation necessary for maintaining it.

SITE.—The site is on the corner of Regent Street and Maddox Street. The corner being very prominent, maximum use was made of it for advertisement purposes and for the main entrance.

PLAN.—The ground floor comprises the general booking office, with enquiry counter and waiting space, together with the general office and manager's office, with separate entrance in Maddox Street. In the basement there is a large clerks' office, a senior clerk's office, a telephone exchange, a teletype room, cloaks, lavatories, w.c.s and storage.



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



CONSTRUCTION.—The structure of the existing building was maintained, including the staircase communication between the ground floor and basement. Internal partitions are of breeze blocks with timber framed glazing where required. The curved wall at the back of the office is of timber frame, expanded metal, and plaster. False ceilings in booking office and draught lobby are supported on timber joists carried in

steel slings rag-bolted into the existing concrete floor.

FINISHES.—Window frames are of 4 in. \times 1½ in. pine with a double glazed display window to the manager's office. The entrance doors are of mahogany, internal doors in the booking office are of flush plywood. Existing wood block floors have been retained. Walls and ceilings are finished in plaster and painted.

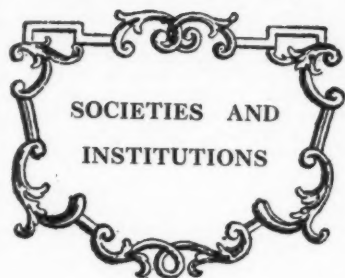
SERVICES.—Heating is by radiators from an existing central heating system. There is artificial ventilation to the ground floor offices and basement.

CONTRACTS.—Single, contract price £3,236, exclusive of fittings. The general contractor was Portman Structural & Decorative Co., Ltd. For list of sub-contractors, see page 366.



Top left, the main entrance, top right, the display and light fitting behind the counter, left, a general view.

BOOKING OFFICE IN REGENT STREET



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

TCPA

Germany Today

September 29. PERSONAL IMPRESSIONS OF GERMAN ARCHITECTURE AND PLANNING. A series of short talks by Jacqueline Tyrwhitt, Gerhardt Rosenberg, Leo de Syllas, and Lady Pepler, given at the Planning Centre. Sir George Pepler was in the chair.

Jacqueline Tyrwhitt: The first and strongest impression that I gained was that you cannot kill a city that has a reason for being there. The centre of Frankfurt is nothing but rubble, with a few buildings here and there. It seemed to me that a place which had become as derelict as Frankfurt might well cease to be a city and become a wilderness, but life still goes on in Frankfurt, and the people there are very conscious that Frankfurt is still a city. The Paulskirche has been restored by the people of Frankfurt as a civic centre. Before the 1914/18 war Frankfurt was well known in the planning world because of its marvellous docks, which were quite outstanding. In the inter-war years Frankfurt was very well known in the planning world because of the way in which it controlled building development in the city, the pooling of property rights, and so on, and it was also well known for its garden suburbs, which were amongst the first garden suburbs to be built, and for the new architectural methods employed by Ernst Mai in constructing those suburbs. Frankfurt was therefore a very interesting and progressive city from the planner's point of view.

REBUILDING PROBLEMS IN FRANKFURT

The position now is that the docks are hardly functioning at all. Garden suburbs are still being built, but not with the new methods of building; the old and primitive methods are being used. The housing shortage in Frankfurt is very serious; there was a population of 500,000 before the war, and it is about 400,000 now. The

present policy in Frankfurt is to take the line of least resistance, to find some un-built-on land within 5 kilometres from the city and to build more garden suburbs there. I think that suburbs have a right to exist only if a city has outgrown its original function, its original purpose for being there, and I suggest that perhaps the development of the docks before the 1914-18 war was the first movement in that direction. It is most unlikely that Frankfurt will become again the type of industrial city that it was before the war, and what are the people in the suburbs going to do if there is no work for them in Frankfurt? Suburban existence is an artificial existence unless the people go to work somewhere.

I thought that the policy for Frankfurt should be to clear the centre bit by bit and rebuild it. The land will probably be as valuable as land in Holland, because it costs so much to clear it and to build up the sodden land, that the buildings must be built very well indeed and the land must be densely developed. There will probably be in Frankfurt a central area very carefully planned and rather densely developed, and then an area gradually cleared of wilderness, the area that used to have the nineteenth century buildings. That should be allowed to wither tidily, because the people that will be employed in Frankfurt could probably be housed in the closely developed centre of the city. Then the smaller towns in the neighbourhood of Frankfurt, of which there is a considerable number, should be built up. Everybody in Germany at the moment is anxious to live as near a farm as possible, so as to be able to get food, and perhaps in other countries also people will want to live in the small country towns, where they can get work on the land, which must be much more closely cultivated than it has been in the past.

Gerhardt Rosenberg: It is very difficult to give you an idea of what Germany is like today. The one fact that emerges is that, in spite of everything (and things are just as bad as they are painted), life is well worth living in Germany, and 1945 and 1946, the worst years in Germany, were in many ways the best years. There was a sort of Dunkirk spirit which brought out some very fine work and some very good people. In Berlin, for instance, there were 80 sewage pumping stations, which were all put out of commission; twenty of them were put in order, but then the sewage was pumped into the river instead of over the sewage farms, and in due course dysentery came and then typhoid. There was one man in charge of the hospital work, the architect Gustav Hassenpflug, whom we knew as the joint author of the "cookery book," the big planning book, a very scholastic work, and that scholar tackled the job of getting 50,000 hospital beds in one way or another for patients in the epidemic in 1945/46. There were 9,000 beds at the end of the war, out of the pre-war number of 43,000, but somehow the 50,000 beds were obtained. At that time there was collaboration with and between the occupying Powers, the British, the Americans and the Russians. The Americans provided two complete hospitals, fully equipped, the British helped with cement, and the Russians provided 60,000 square feet of window glass. People took great pride in the way they managed. Women removed millions of cubic yards of rubble with marmalade tins, and big hospitals were reconditioned with completely unskilled labour and in spite of lack of transport, and so on. Hassenpflug and his medical collaborator, Dr. Paul Vogler, should be mentioned in this connection.

SPIRITUAL LIFE

The spiritual life after the Nazi collapse was wonderfully active. It is said that man

does not live by bread alone, but it sometimes seemed as though man lived by black market coffee alone. Seven or eight architects and engineers would talk until 1 or 2 in the morning in somebody's office, sitting round a table. There was a really serious atmosphere and an obvious desire to get somewhere. Many very good men have got into the right places. I might mention Hans Scharoun, who has worked on the planning scheme for Berlin and is now in charge of a sort of building research centre in Berlin, and Professor Henselmann, who has reorganised a small school in Weimar and made it into a real technical university, where people are working very well and very happily. The professors collaborate with the students in competitions, and that gives the students a feeling of reality and encourages them. The students are sent out to work and are helping to rebuild the farms, and there are many planning competitions. Even now, after the currency reform, when money is worth a great deal, there are competitions in which the prize money amounts to 25,000 marks, which is well over £1,000. The idea is to find really gifted architects and planners. During the war there was hardly any training in planning, but there are people in Germany who have very good ideas on planning. We saw some very fine plans for Mainz by Jorg, a young architect and planner who was trained here in Gordon Square and passed very well. We also met a planner from Hamburg who had prepared a large number of schemes and had competed in many international competitions. I would also mention Ernst Mai's old friends and collaborators, some of whom are still working in Frankfurt under Eugen Blanck and Werner Hebebrand.

OFFICIAL INFLUENCE

There is one big thing which has happened since we visited Germany in July. The occupying authorities have very little intellectual influence on the German thinking, working and creating people, but they have just enough influence on the administration and their official yes-men to set a general trend, that trend being anti-red. Young architects are more or less forced to give in their resignations or to build in stone, with pitched roofs and little balconies, and so on. People are employed who have proved all along that they had nothing to do with the flat-roof progressives. They are men who with very small modifications can use all the Hitlerite stuff and have an enormous paucity of ideas, and they are very plausible and very sentimental.

We have not only a duty to help but an interest in helping the young and more brilliant of the planners in Germany, people who really want to think. I say that because in Germany sooner or later—I should say in about ten or fifteen years' time—the really big cities will be rebuilt, and any planning theories which are put to the test there will be most valuable for our attempts at organizing living in cities. Nowhere else have towns been destroyed on such a large scale. If they are rebuilt piecemeal without any consistency they might just as well never be rebuilt, as far as planning is concerned. These people have very little training; they have no literature and no exchange of ideas; they can hardly speak a foreign language, and they have not had their own work exhibited or discussed abroad. I suggest that it would be a good thing if we translated their work, some of which is very good, and if we had our work translated and sent to them. We have many books and other publications that ought to be put at their disposal, if only on loan. I also suggest that we should not only invite some of the most brilliant of the German students and some of their teachers (perhaps the less brilliant of those) to come over here and take some training, but that we should also send some of our people to Germany for a short time, to relieve the

teaching staff of the universities, where about three hundred students are taught by one master with a few assistants.

Leo de Syllas: My contacts were almost entirely at the university level and not at all at an administrative level, from the point of view of German architects and German planners, and whatever I could see I had to judge myself. I can, however, put seeing what was being done against knowing what the policy was, and I think that the two points of interest in the short comments that I can make concern first the actual organization of Aachen university, where I was, and, secondly, what was going on in Aachen. The university at Aachen is a technical high school. The normal system in Germany is for architecture to be associated with the institutes of technical learning and not with the universities as such, which are centres for the humanities only. I should think that the technical high school at Aachen is typical of the provincial technical high schools in Germany.

WHITE WAISTCOATS

The outstanding feeling that I had after three weeks at Aachen was of the enormous complexity of the problems facing the denazification courts. The staff at the Aachen technical high school consisted of some eight or nine qualified architects and was headed by two men who, in the language of the Control Commission, had white waistcoats, that is to say, there was no doubt about their political affiliations. They were both charming elderly men (one of them was 70) whose ideas, in terms of our own architectural and planning ideas, were of a most extreme reactionary type. Those two men, being politically clean, had been put in charge of the university, and the members of their staff were progressively less white-waistcoated according to the amount of time that they had been back in their posts. These men, who during the Third Reich had in one way or another succumbed to some form of collaboration (my impression was that it was dire necessity and the milder forms of opportunism), were all of the younger generation and were, taken as a whole, an extremely good set of contemporary architects.

The difficulty was that the policy of the school was of the most extreme and almost childish *beaux arts* type. It did not even have the academic background with which one might defend the *beaux arts*, and the contemporary architects, who were drawn from various parts of Germany and were modern architects, had their work cut out to carry on their ideas and were constantly being pushed into the background, always, of course, on the justifiable pretext of their previous political records. I think that point is important, because my impression was that the university body as a whole was definitely anxious to know what was going on but feared to collaborate too closely with those of the staff who they knew had only been put back into the university in recent months. Typical of those was Merhtens, an architect who during the Third Reich had been the chief architect in the city of Cologne and who undoubtedly in the late 20's and the early 30's had done extremely good work. You may be familiar with his Cologne vegetable market hall, a great parabolic building of concrete with a shell roof, which he designed in the early 30's before any direct influence had been applied to him. It was quite a brilliant building of its kind. Merhtens, if he had not collaborated, had progressively gone on in practice and had undoubtedly got a good deal of work. I felt, from his lectures which I attended during the summer course and from a great many designs of his which I saw, that he had maintained all his architectural principles and, now that times had changed, had also changed and was doing jobs again which I think all of us would have approved in principle.

OFFICIAL ARCHITECTS

My immediate concern was what the students were being given by way of exemplars and what background theory they were being given, and I thought that Merhtens was of more value in educating future architects than was Gruber, who was a complete nonentity. I maintained that impression in the few contacts that I had with official architects both in Aachen and in Cologne. Typical of their work was the city plan of Aachen, which was being done by an elderly Austrian architect, von Schoever, a man of great brilliance in his prime. His immense redevelopment plan for Aachen was based on no form of survey, statistical or economic, but was purely and, I think, very brilliantly a repatterning of a city which at one time had been very beautiful and which he knew extremely well. He started it at some time in 1942 unofficially, without any State backing, and in 1945/46 he had begun to carry it on officially. The whole of the work was being done in a large office, and he himself told me that he had no authority to carry it out and was not even in a position to state what was the attitude towards it of the authorities in control or how the general legislation applying to Aachen would affect his plan. In fact, he was being paid by the State to carry out this work entirely unrelated to reality. A small amount of building had taken place which completely contradicted the proposals in his plan. He was already undertaking the restoration of a small town where buildings of national importance were being preserved and were being replanned in a way which we would not accept as following any basic system of planning; it was entirely decorative planning. That work was to some extent going ahead.

STUDENTS WORK

The general work in the university, as far as the students were concerned, was, as would have been expected from the sort of direction given, entirely mediæval in outlook. The main concern, which I also found reflected outside, was the reconstruction of important buildings of historic value, especially churches. I think that one of the most extraordinary things to anybody travelling in that part of the British Zone was the fact that almost every important church in the area was actually being rebuilt. We could not discover any new housing. There was a good deal of repairing and bricking up of windows, but we could not discover any policy of new housing, at least not in practice. There were fourteen contractors all actively at work on rebuilding Cologne cathedral, and the choir and part of the nave have already been opened. Aachen cathedral, which was a building of international significance, is being very brilliantly rebuilt, but entirely unrelated to the problems which face Germany as a whole.

The university had nearly 300 architectural students and a library of some fifty to sixty books, the rest of the books having been destroyed. The students did a minimum of eight hours a day at lectures. This rather confirms something that Mr. Rosenberg said. My own impression was that life was not worth living in Germany, but to German architectural students there must be something worth while in it, or they would not do those heavy terms a year, eight hours a day at lectures, and also studio work. The fact that students were doing that, even without leadership and with no backing of books and literature, is an important point, which gives one an indication of what is wanted in many ways.

Lady Pepler: I speak as an ignoramus, because I am not a technician, as the other three speakers are, and I speak from the point of view of a member of the public who has visited Germany and is specially interested in housing.

My first impression was the impression of which Mr. de Syllas has spoken, that there was a lack of realism. There is not in Germany any form of controls or allocation of materials such as we have in this country. Therefore it is possible, if one can afford to build a house in the black market, to get the materials for it by one means or another and to use those materials for building the house.

It always seems to me that we in this country have tackled housing in three stages: the emergency stage, which was brought into play during our period of bombing and immediately after the war, and which up to a point might be said to be nearly over now; the temporary stage, in which we plan our temporary bungalows and houses for the next year, and, finally, the permanent stage, towards which we have laboriously worked and are now well into, that is, the planning of dwellings which will last for the next sixty or one hundred years. It did not seem to me that the people in Germany had realized the necessity for the emergency stage. Although, of course, their need for emergency accommodation was far greater than any that we had known, they seemed much more inclined to tackle the permanent phase, i.e., the long-term building up to reasonable, and in fact ambitious, standards. I should have thought that they would need to make not only a town planning survey, of which I am not qualified to speak, but also a survey of their materials and machinery as a whole, and then find out how they could provide at least a minimum of accommodation, even on a low level, for the people who were without it, of whom there are a great many. I should have thought they would do that rather than aim at any kind of ambitious scheme which at present is quite beyond their power to carry out.

THE TASK AHEAD

My second impression was that the Germans were, not unnaturally, confused and overwhelmed by the tasks before them. Their problem is on a scale which it is quite impossible to imagine if one has not seen it. It will be a great many years before even the rubble is cleared away, and there is therefore all the more reason why there should be some form of allocation of materials. It seems to me that that would give the Germans a start, and that might encourage them very much more than they appear to be encouraged at present. They were having our trouble of lack of inclination on the part of the labourer to work hard, but I believe that since the currency change that has been very much overcome, because I understand there are more goods in the shops and there is therefore more incentive to work for wages than there was before the currency change, when we were in Germany.

We were impressed by the fact that very many of the men whom we met, the town planners in particular, and, in fact, all our audiences on the whole, were elderly people who had been working before the time of the Hitler régime. They were admirable in their capacity, well trained and then at the height of their profession and perfectly capable, I should have said, of absorbing all there was to absorb, but not ideally the people to put reconstruction actually into effect. We were surprised that we saw no younger men, but Mr. de Syllas has perhaps accounted for that fact.

Finally, I should like to say a few words about the bad conditions that we saw. As it was known that I was interested in housing, an attempt was made to horrify me by showing me bad housing conditions, but I saw nothing which I could not equal in London, and I am not sure that I could not even beat anything that I was shown. I admit that I could probably have been shown conditions very much more serious and on a very much larger scale, but it was interesting that, in the case of those that I was shown, I could not find anything worse than we have here.

CURRENT MARKET PRICES OF MATERIALS

BY DAVIS, BELFIELD AND EVEREST, Chartered Quantity Surveyors

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

LONDON DISTRICT

Within 12 miles radius

From 12-15 „ „

LIVERPOOL and DISTRICT

GRADE CLASSIFICATIONS

	A	A ¹	A ²	A ³
Craftsmen ..	2s. 9½d.	2s. 9d.	2s. 8½d.	2s. 8d.
Labourers ..	2s. 3d.	2s. 2½d.	2s. 2d.	2s. 1½d.

Craftsmen.

2s. 11d.

2s. 10½d.

2s. 11d.

Labourers.

2s. 4d.

2s. 3½d.

2s. 4d.

T. Davis

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

Prices vary according to quality and the quantity ordered.

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

CONCRETOR

Cements

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

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

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

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

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

	6 tons and over	In 80-ton freights F.A.S. Safe Wharf in River Thames London Area.
* Portland to B.S. 12 .. per ton	60/6	58/-
* Rapid hardening to B.S. 12 ..	66/6	64/-
† Aquacrete water repellent ..	92/-	
† "417" cement (quick setting extra rapid hardening) ..	82/-	
† Colorcrete, red, buff and khaki ..	102/-	
Colorcrete, other shades. 1 ton lots.	185/-	to 409/- (paper bags free)
Snowcrete....	(Minimum 1-ton lots)	234/- (paper bags free)
	1-9 cwt.	10-19 1 ton and upwards
Ciment Fondu to B.S. 915 delivered London area .. per cwt.	16/3	14/7 per ton 236/6

Aggregate and Sands (Full Loads)

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

Pavings

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

Reinforcement

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

Reinforcement—continued

Extras for:—

Under ½" to ¾" diameter ..	per ton	15 0
Ditto ¾" and over ¾" diameter ..	per ton	£1 2 6
¾" and over ¾" diameter ..	per ton	£1 10 0
¾" and over ¾" diameter ..	per ton	£1 17 6
¾" and over ¾" diameter ..	per ton	£2 5 0
¾" and over ¾" diameter ..	per ton	£2 12 8
¾" diameter ..	per ton	£3 0 0
Under ½" to ¾" diameter ..	per ton	£4 10 0
Lengths over 40 ft. to 45 ft.	per ton	15 0
" " 45 ft. to 50 ft.	per ton	£1 2 6
" " 50 ft. (as 50 ft. plus per ft.)	per ton	2 6

Fabric Reinforcement

	16.35 lb.	9.32 lb.	5.67 lb.	1.83 lb.
Steel wire mesh fabric to B.S. 1221, Part A per yd. super. 5/7½	3/2½	1/11½	1/0½	
	10.76 lb.	7.32 lb.	5.17 lb.	1.58 lb.
Steel wire mesh fabric to B.S. 1221, Part B per yd. super. 3/9½	2/6½	1/10	-11½	

Sundries

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

BRICKLAYER

Common Bricks

Common stocks ..	per 1,000	109/6
Rough stocks ..	per 1,000	119/6
Mild stocks ..	per 1,000	161/6
Sand limes ..	per 1,000	86/2
† Phorpres pressed Flettons ..	per 1,000	73/-
† Phorpres keyed Flettons ..	per 1,000	75/-

Facing Bricks

Hand selected sand limes ..	per 1,000	121/-
† Phorpres rustic Flettons ..	per 1,000	93/-
Stocks, firsts ..	per 1,000	206/6
Stocks, seconds ..	per 1,000	191/6
Sandfaced, hand made reds ..	per 1,000	241/6
Red rubbers (9½") ..	per 100	55/-
† White facings ..	per 1,000	100/-
Coloured facings (creams, buffs, browns and terra-cotta) ..	per 1,000	125/6
† Dunbriks (concrete), greystone facings ..	per 1,000	132/6
† Dunbriks (concrete) various colours ..	per 1,000	152/6
† Southwater pressed sandfaced reds ..	per 1,000	184/6
† Dorking pressed sandfaced multicoloured facings ..	per 1,000	163/-

Engineering Bricks

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

Firebricks

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

BRICKLAYER—(continued)

Glazed Bricks		Best quality	Seconds
		£ s. d.	£ s. d.
White, Ivory or Brown, 9" × 2½" × 4½" :—			
Headers	per 1,000	39 10 0	37 10 0
Stretchers	per 1,000	40 0 0	38 0 0
Buff or Cream ditto :—			
Headers	per 1,000	41 10 0	39 10 0
Stretchers	per 1,000	42 0 0	40 0 0

All prices for glazed bricks + 22½%.

Limes and Sands

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

Washed pit sand to B.S. 1200 per yard cube 16/4

(For cements, see "Concrete.")

* Including paper bags.

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

Sundries

10 s.w. gauge galvanized butterfly type wall ties to B.S. 1243	per 1,000	84/-
12 s.w. gauge ditto	per 1,000	71/6
Wall ties, self coloured, 8" × ½" × ½", to B.S. 1243	per cwt.	58/9
Wall ties, galvanized, 8" × ½" × ½", to B.S. 1243	per cwt.	78/9
Damp proof course slates :	Imported	
Size 14" × 9"	per 100	43/3
" 14" × 4½"	per 100	20/9
Hessian based bitumen damp course to B.S. 743	per yard super	4/3
Airbricks :	9" × 3" 9" × 6" 9" × 9" 14" × 9"	
Red and buff terra-cotta	each	1/1 2/3 5/9 15/4
Black cast-iron School Board pattern airbricks	each	1/7 2/9 4/- 5/-
Galvanized ditto	each	2/9 5/- 7/- 8/6
Black hit-and-miss cast-iron ventilators	each	2/9 3/9 6/-
Galvanized ditto	each	4/- 5/9 9/6
Buff terra-cotta chimney pots	1' 0" 1' 6" 2' 0" 2' 6" 3' 6" 5' 0"	5/7 6/8 9/8 12/10 20/5 50/2
Fireclay (loose) per ton		120/-
Wall reinforcement supplied in standard rolls containing 25 yards lineal		
‡ 2½" wide black japanned	per roll	2/11
‡ 2½" wide black japanned	per roll	3/7½
‡ Greater widths pro rata 2½" price, carriage paid on orders of £7.		
Discount for quantities.		

Partitions, etc.

		2"	2½"	3"	4"
		per yard super	per yard super	per yard super	per yard super
Clinker	per yard super	3/6	4/-	4/6	6/-
Hollow block to B.S. 1190	per yard super	3/1	3/4	4/-	4/7 (4½")
Plaster	per yard super	6/6	7/3	8/5	—
Moler	per yard super	8/3	8/6	8/9	9/6
† 1" Wood Wool slabs	per yard super	from 4/2 to 4/10			
† 2" Wood Wool slabs	per yard super	from 6/7 to 7/6½			
† 3" Wood Wool slabs	per yard super	from 8/6 to 9/8½			

† Prices according to quantity ordered.

PAVIOR

Red quarry tiles, 6" × 6" × ½", to B.S. 1286	per yard super	10/9
Ditto 6" × 6" × ½", to B.S. 1286	per yard super	9/6
Buff quarry tiles 6" × 6" × ½", to B.S. 1286	per yard super	12/-
Ditto 6" × 6" × ½", to B.S. 1286	per yard super	10/9
Hard red paving bricks, 2"	per 1,000	316/3
Ditto 1½"	per 1,000	298/-

DRAINLAYER

Clay Land Drain Pipes to B.S. 1196

		2"	3"	4"	6"
		per 1,000	per 1,000	per 1,000	per 1,000
Pipes in 12" lengths		99/6	138/6	179/-	372/-

(Delivered in full loads Central London Area.)

Salt Glazed Stoneware Pipes and Fittings

		Standard List +
		Orders for 2 tons and over
		Orders under 2 tons less 15% upwards
		Orders under 2 tons less 15% upwards
Seconds Quality	35% less 15%	55% less 15%
Best Quality	35%	55%
British Standard Quality	42½%	62½%
Tested Quality	60%	80%
British Standard Tested	67½%	87½%

Cast Iron Drain Pipes and Fittings

Socket and spigot pipes to B.S. 437 :—		9 fts.	6 fts.	4 fts. ea.	3 fts. ea.
Weight per 9 ft.		Size	Size	Size	Size
1 1 8	4" per yard	12/7	14/-	22/6	17/-
1 1 17	4" per yard	13/1	14/4	23/-	17/7
2 0 1	6" per yard	19/6	23/1	37/2	29/8
3 3 21	9" per yard	35/3	46/2	80/-	61/-

DRAINLAYER—(continued)

Cast-Iron Drain Pipes and Fittings—continued

		2 fts. ea.	18 ins. ea.	12 ins. ea.	9 ins. ea.
1 1 8	4" per yard	14/-	—	—	—
1 1 17	4" per yard	14/3	—	—	—
2 0 1	6" per yard	22/5	—	—	—
3 3 21	9" per yard	—	—	—	—

Tonnage Allowances :—

Orders up to 2 tons nett.

		4"	6"	9"
*Bends (short radius) as Fig. No. 4	each	6/3	13/-	40/-
*Single junctions as Fig. No. 18	each	11/-	22/6	69/-
*Intercepting traps as Fig. No. 33	each	30/-	50/-	123/-
*Gullies ordinary trapped "P"	each	14/6	—	—
*Extra for vertical back inlet 4"	each	4/3	—	—
*Grease gully trap	each	110/6	—	—
*H.M.O.W. large socket gully trap with 9" gully top and heavy grating and one back inlet	each	37/6	—	—

* These prices are subject to 82% plusage.

Channels in Brown Glazed Ware.

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

White Glazed Channels

Orders under 20 pieces. Standard list + 32½%.

Concrete Pipes, etc.

		12"	24"	48"
Concrete pipes to B.S. 556				
With O.G. joints	per foot run	3/10	11/3	38/4
Bends	each	11/6	33/9	115/-
Junctions	each	32/-	63/6	—
Double junctions	each	—	—	—

Concrete pipes to B.S. 556

With spigot and socket joints

		per foot run	per foot run	per foot run
Bends	each	4/2	12/4	42/-
Junctions	each	12/6	37/-	126/-
Double junctions	each	32/-	63/6	—

Concrete road gully to B.S. 556

		per foot run	per foot run	per foot run
18" diameter and 42" deep	each	62/6	—	—
Precast concrete manholes to B.S. 539				
27"		48"	72"	

		per foot run	per foot run	per foot run
Precast concrete manhole chamber rings		13/6	38/4	86/9
6" precast concrete cover slabs		35/-	65/6	—

* Manhole covers and frames

To B.S. 497

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

* All prices plus 5%.

MASON

Yorkstone

Building quality Robin Hood and Woodkirk Blue Stone.

Blocks scrapped, random sizes	per foot cube	8/6
Add for blocks to dimension sizes	per foot cube	1/- (each dimension)

Templates with sawn beds, edges rough (up to 4 ft. super and not over 2' 6" long)	per foot cube	9/6
Templates with sawn beds, sawn one edge, per foot cube		11/-
Templates with sawn beds, sawn two edges, per foot cube		13/-
Price f.o.r. Yorkshire, railway rate to London Station per ton. (Minimum 4-ton loads)		38/7

Artificial Stone to B.S. 1217

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

S. 6A.

9"
0/-
9/-
3/-

Stone-

48"
3/4
5/-

2/-
5/-

2"
3/9

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type

/-
/9

/-
/-

/6
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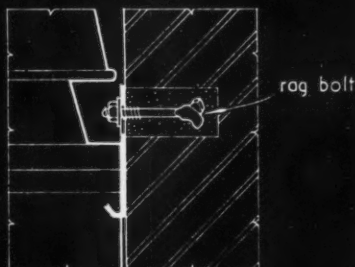
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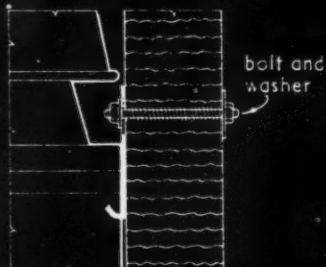
WATER HEATING | UNITS | GAS

32.C27

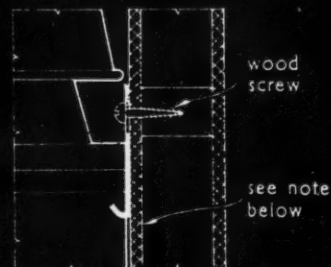
The Architects' Journal Library of Information Sheets 109. Editor: Cotterell Butler, A.R.I.B.A.



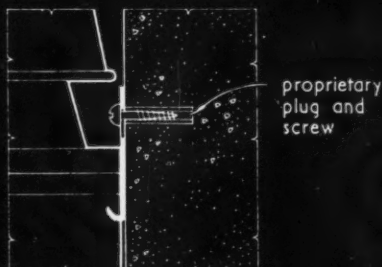
BRICK OR CONCRETE.



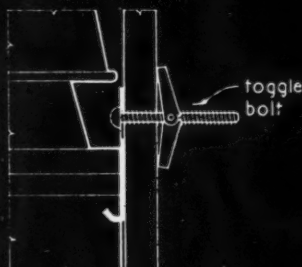
HOLLOW TILE OR PROPRIETARY BLOCKS.



TIMBER FRAMED PARTITION.



BRICK OR CONCRETE.



PREFABRICATED PARTITION.

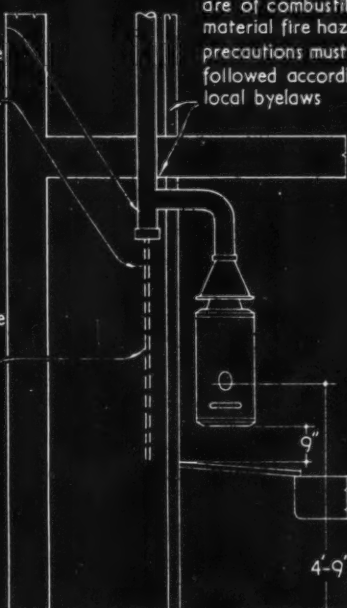
note: the covering to a timber framed partition should be fire-resisting e.g. asbestos cement, flame-proofed fibreboard, plasterboard or metal panelling

METHODS OF FIXING HEATERS TYPE NEA. 32/6 AND SG. 32/1.

condense trap reqd. if flue traverses 1 flr. and condense pipe if thro' 2 or more flrs.

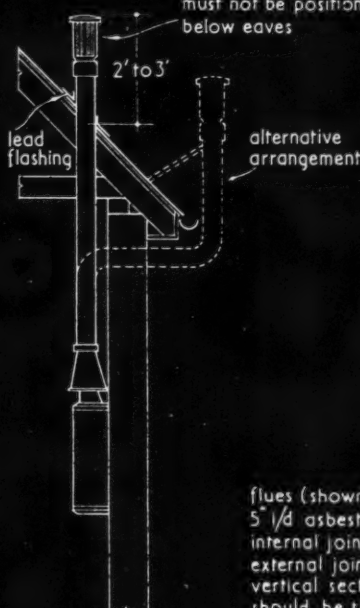
1" i/d lead condense pipe to waste discharging above water level of trap

where partition and ceiling are of combustible material fire hazard precautions must be followed according to local byelaws



FLUE BUILT INTO CUPBOARD.

this type of terminal must not be positioned below eaves



FLUE WITH G.L.C. UPRIGHT TERMINAL.

flues (shown diagrammatically): 5" i/d asbestos cement, internal joints must face upwards, external joints must face downwards, vertical section of flue before bend should be the maximum practicable

FLUE WITH VENTILE OR AEROLETE TERMINAL.

SINGLE FLUE ARRANGEMENTS FOR HEATERS TYPE NEA. 32/6 AND SG. 32/1.

32.C27 ASCOT GAS WATER HEATERS—INSTALLATION DATA 1

This Sheet gives installation data for Ascot instantaneous gas water heaters, where individual gas, water and flue services have to be provided for each heater. Sheet 32.C28 will describe installations where gas, water and flue services can be grouped. Sheets 32.C20 and 32.C21 give heater specifications and Sheet 32.C22 deals with the selection of heaters.

Houses

Multi-point services can be provided by Type NEA 32/6, either as the sole source of hot water supply or connected as an alternative system—see Sheets 32.C23 and 32.C25. Single points can be supplied by sink heater Type R12/4, boiling water heater Type RS52/1, or bath heater Type SG32/1, again as the only source of hot water supply, or used as an auxiliary to a boiler system.

Flat Conversions

The existing layout usually controls the arrangement of the services and the grouping of points for supply from a central source becomes difficult, and is often undesirable since separate metering may be required for each flat. The available space for the provision of hot water storage may also be limited. Ascot Gas Water Heaters, however, are of compact design, require no floor space, and can be effectively employed either for single or multi-point hot water supply to individual flats. Installation is simple, as existing pipework can often be used, provided this is in good condition, and that any dead lengths of piping, etc., are sealed off. Reference should be made to Sheet 32.C25 for calculating whether the head available for a multi-point heater Type NEA32/6 is adequate in respect of pipe sizes and runs.

If the existing piping is in lead, and the heater is to be supplied from the cold water mains, it should first be determined that the piping is of sufficient weight to withstand the mains pressure.

Office Buildings, Factory Ablutions, Shops, etc.

Where it is desirable to supply fitments by independent means rather than from a central plant, then Ascot Gas Water Heaters can be installed to provide hot water to satisfy the requirements of the Factory Acts and The Food and Drug Acts.

Installation

The respective local authorities or gas undertakings should be consulted at an early stage, and the requirements of any local bye-laws should be noted. *Position:* All heaters should be installed with the burner level approximately 4 ft. 9 in. above the floor to facilitate regulation and maintenance, at least 9 in. being allowed between the base of the heater and any draining board. Heaters must not be installed above cookers or boilers.

Fixing

Types NEA32/6 and SG32/1.—See diagrams. *Types R12/4 and RS52/1.*—These heaters should be supported by the gas and water piping which should be firmly secured, provision being made for a steadying clip at the back of the outer shell. The use of elbow union and wall plates assists rigidity. Ascot fixing clips and wall plates are available.

Gas Services

Piping of the sizes noted below is normally required:

Length of run from meter to heater	Heater Type	
	R12/4 RS52/1	SG32/1 NEA32/6
Up to 15 ft.	$\frac{1}{2}$ in. i.d.	$\frac{3}{4}$ in. i.d.
15 ft.-30 ft.	$\frac{3}{4}$ in. i.d.	1 in. i.d.
Over 30 ft.	1 in. i.d.	$1\frac{1}{4}$ in. i.d.

Heaters should preferably be supplied from an independent service, but any piping serving other appliances should be graded correspondingly larger.

Water Services

Piping of the sizes noted below is normally required:

Heater type	Length of pipe run	Minimum constant water pressure available				
		Tank supply (ft./head)		Mains supply (lb./sq. in.)		
		Up to 25	25-40	10-30	30-50	Over 50
NEA 32/6	Up to 25 ft.	$\frac{3}{4}$ in.	—	$\frac{3}{4}$ in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.
SG 32/1	25 ft.-50 ft.	1 in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{3}{4}$ in.	$\frac{1}{2}$ in.
R 12/4 and RS 52/1	Up to 25 ft.	$\frac{1}{2}$ in.	—	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.
	25 ft.-50 ft.	$\frac{3}{4}$ in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.

Type NEA32/6—pipe runs include both cold supply and hot draw-off piping. Branches to basin and sink (max. total 10 ft.)— $\frac{1}{2}$ in. piping.

Types R12/4, RS52/1 and SG32/1—pipe sizes refer to cold supply only.

Flues

Types SG32/1 and NEA32/6.—These heaters require a 5 in. i.d. flue of acid resisting material to discharge the products of combustion to the open air. British Standard Codes of Practice recommend that flues for instantaneous gas water heaters in new buildings should be integral with the structure—see Sheet 32.C28—or, alternatively, carried up inside the building, but where neither of these methods are possible, an independent asbestos cement flue may be fitted, the flue being terminated with an external terminal of approved pattern. See diagrams.

Galvanised iron, or unglazed brick flues should not be used.

Types R12/4 and RS52/1.—These heaters do not normally require a flue installation, but where the duration of a single operation is likely to exceed 10 minutes, or where ventilation is inadequate, a flue should be fitted. A draught diverter for 3 in. internal diameter flue piping is available.

Compiled from information supplied by:

Ascot Gas Water Heaters, Ltd.

Head Office: 43, Park Street, London, W.1.

Telephone: Grosvenor 4491.

Works: Ascot Works, Neasden, London, N.W.10.

Telephone: Willesden 5121.

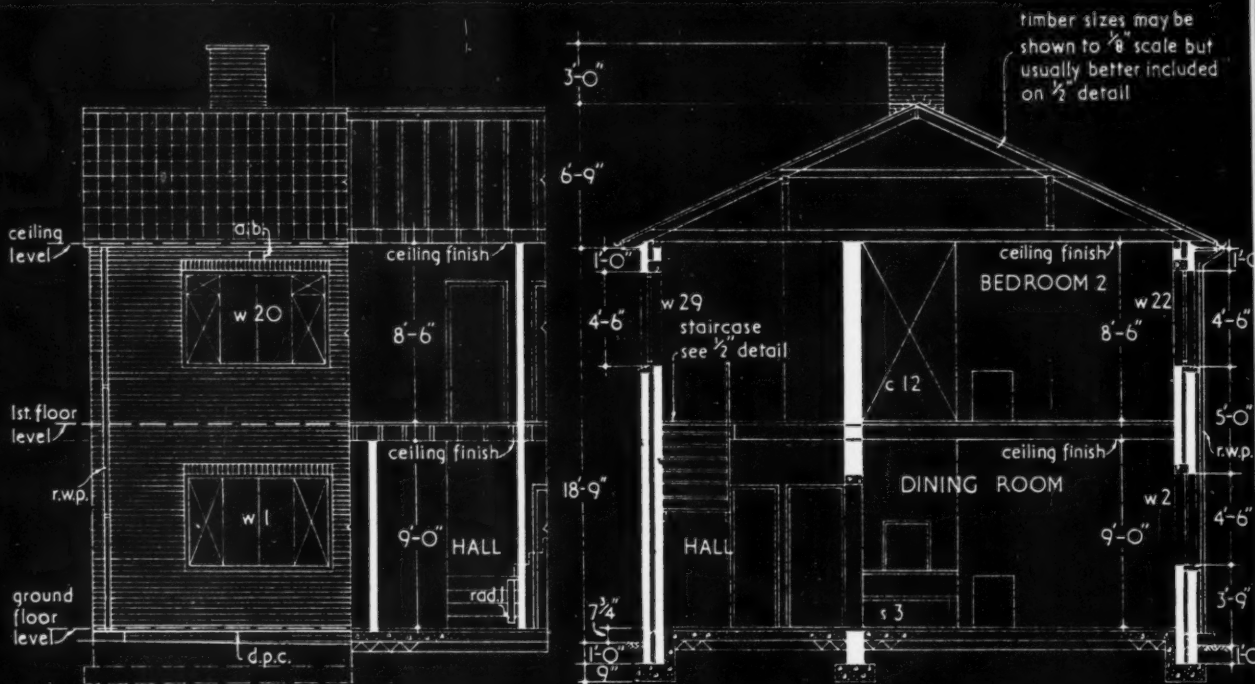
Telegrams: Gascot, Phone, London.

Branch Offices: Belfast, Birmingham, Bournemouth, Bristol, Cambridge, Glasgow and Manchester.

DRAUGHTSMANSHIP | ORTHOGRAPHIC PROJECTION**I.B19**

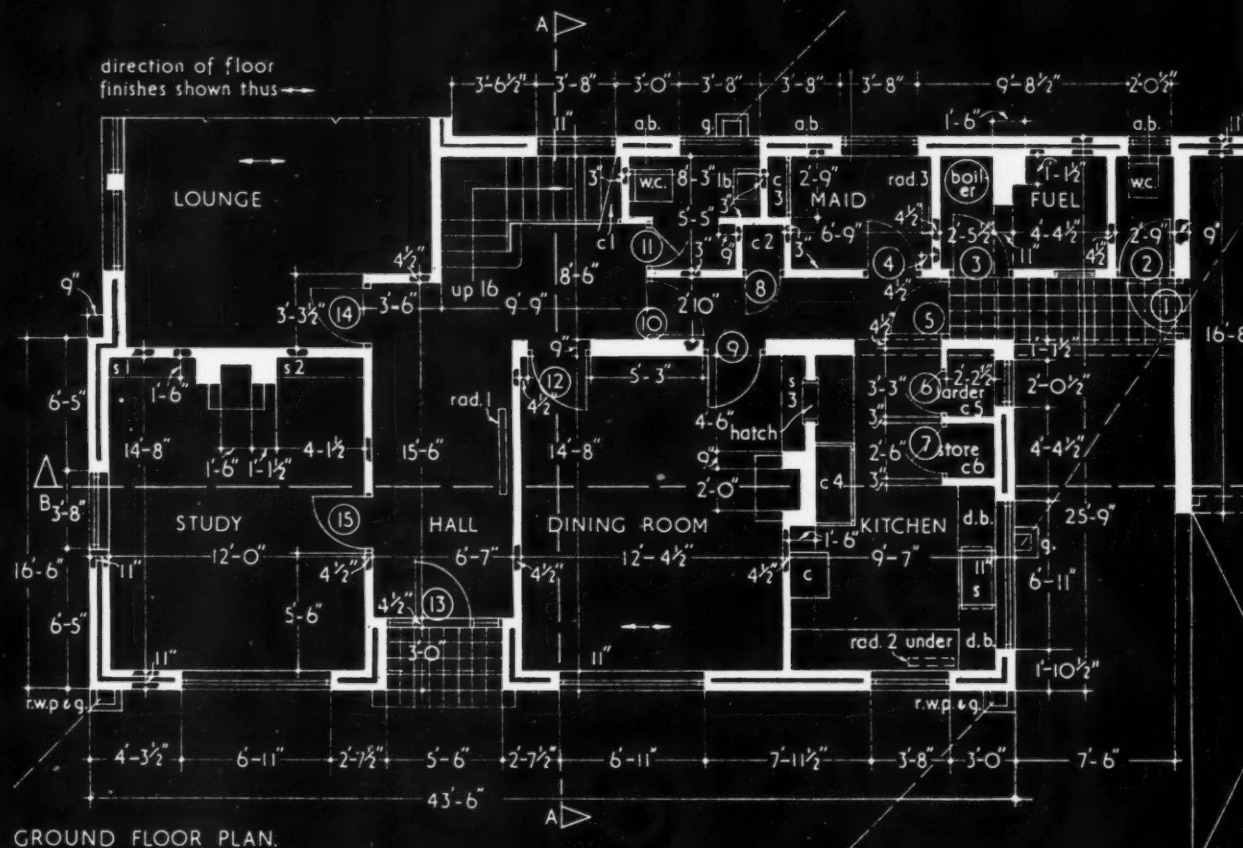
The Architects' Journal Library of Information Sheets 110. Editor: Cotterell Butler, A.R.I.B.A.

I.B19



ELEVATION. LONGITUDINAL SECTION B-B

CROSS SECTION A-A.



GROUND FLOOR PLAN.

1.B19 ORTHOGRAPHIC PROJECTION: $\frac{1}{8}$ in. SCALE WORKING DRAWINGS

This Sheet is one of a group recommending suitable standards for office working drawings to various scales and deals with $\frac{1}{8}$ in. scale (1/96 full size). Other Sheets deal with $\frac{1}{4}$ in. scale, $\frac{1}{2}$ in., full size, etc.

One purpose of this group of Sheets is to assist the practising architect in standardizing work in his drawing office; another is to suggest to the student a reasonable standard of presentation for practical working drawings.

Working Drawings Generally

All working drawings should be prepared as a complement to, and evolved closely with, the specification. Duplication of information should not be adopted except where special emphasis of a confusing detail is necessary.

$\frac{1}{8}$ in. Scale

The illustrations do not comprise a completed drawing, but are parts of the plan, section, and elevation of a typical small domestic house. Although $\frac{1}{8}$ in. scale has, to some extent, replaced $\frac{1}{4}$ in. scale for domestic work, particularly where unorthodox construction is being shown, it is still extensively used for larger buildings and for straightforward traditional domestic structures. In general, the purpose of $\frac{1}{8}$ in. scale detail should be limited to that of establishing the size and position of building elements. Detailing cannot be attempted in the case of fittings and joinery, without the drawing becoming much too confused. Precedence should, therefore, be given to a clear and legible presentation of structural dimensions, such as window openings, door openings, floor levels, etc., room names on plan and section, and the careful enumeration of items to be covered elsewhere, i.e., windows, doors, cupboards, etc.

Lighting points may sometimes be included on the general negative but are usually marked on a print.

Brick courses have been shown on the part elevation illustrated, but this is not necessary except where useful to differentiate brickwork from masonry, stucco or other wall treatments.

Working drawings are intended to be used on the site; they must therefore be bold and simple and the lettering should be reasonably large, remembering that a splash of cement slurry can easily make a fussy over detailed drawing entirely unreadable.

B.S. Drawing Office Practice

These drawings have been prepared bearing in mind the recommendations of B.S. 1192: 1944, *Architectural and Building Drawing Office Practice*. Their recommendations have not, however, been accepted without reserve; in particular the method of dimensioning with the numbers outside the dimension line has not been adopted.

This Series of Sheets covers geometrical drawing, orthographic, isometric and axonometric projections, perspective, rendering, lettering and draughtsmanship generally.

Compiled from information supplied by:

Eagle Pencil Company

Address: Ashley Road, Tottenham, London, N.17.
Telephone: Tottenham 4435-6-7.
Telegrams: Octennial, London.

MASON—(continued)

Bath Stone in random blocks

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

Delivered on rail at South Lambeth station.

Portland Stone in random blocks, average 20 feet

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

SLATER, TILER AND ROOFER

Best Bangor Slates to B.S. 680

24" x 12"	per 1,000 actual	91	0	0
20" x 10"	per 1,000 actual	60	5	0

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

Tiles

Basic for Hand-made sandfaced 10½" x 6½" red roofing tiles per 1,000 189/-

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

Concrete Tiles

Plain tiles, 10½" x 6½"	per 1,000	90/- to 95/-
Interlocking tiles, 15" x 9"	per 1,000	£14 10s.
Double Roman tiles	per 1,000	£30

CARPENTER AND JOINER

Asbestos-cement

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

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

1/2" Insulating board (per 100 sq. ft.)	Up to 5,000 sq. ft.	5,000 to 15,000 sq. ft.
.....	37/6	36/-
1/2" Insulating board (per 100 sq. ft.)	15,000 to 50,000 sq. ft.	Over 50,000 sq. ft.
.....	33/9	31/6
1/2" Hardboard (per 100 sq. ft.)	Up to 5,000 sq. ft.	5,000 to 10,000 sq. ft.
.....	46/6	45/-
1/2" Hardboard (per 100 sq. ft.)	10,000 to 30,000 sq. ft.	Over 30,000 sq. ft.
.....	62/6	61/3
1/2" Hardboard (per sq. ft.)	43/-	41/-
1/2" Hardboard (per sq. ft.)	58/6	56/-

Asbestos-cement and Asbestos Products

1 1/8" Semi compressed flat building sheets, grey,	per yard super	1/7½
1 1/8" Ditto	per yard super	2/4

* Prices are for orders of two tons and over and are subject to 5% trade discount.

*1 1/8" Asbestos wall board (in sheets 8' 0" x 4' 0")	per yard super	5/4
*1 1/8" Ditto	per yard super	4/-
*1 1/8" Asbestos wood (in sheets 8' 0" x 4' 0")	per yard super	2/7

* Prices are for orders of 2 tons and over. Wall board subject to 5% trade discount

1/2" Fireproof plaster board	per yard super	25-75 yards	150-300 yards	Over 600 yards
1/2" Ditto	per yard super	2/7½	2/3½	1/11½
1/2" Paper Faced LinenTape, per 100 yard roll	per lb.	2/5½	2/1½	1/9½
Joint filler	per lb.	—	—	5/-

Sundries

Slaters or sarking felt to B.S. 747	per yard run	1/3
Roofing felt (1-ply bitumen) to B.S. 747, Part I	per yard sup.	1/8
Bituminous hair felt to B.S. 747, Part II	per roll	76/-
All rolls 25 yards long by 32" wide.		
"Sisalkraft" standard grade	per yard sup.	-7½
"Sisalkraft" rubicoil grade	per yard sup.	-4
"Cabots" quilts (Ex Works):—		
Triple ply 1/2" thick	2/4 per yard super	
Double ply 1/2" thick	2/1	" "
Single ply 1/2" thick	1/10	" "
All rolls 28 yds. long by 36" wide. Quantities less than complete roll 2d. extra per yard.		

CARPENTER AND JOINER—(continued)

Sundries—continued

"Fibreglass" sound deadening quilt	per yard super	
Light grade	Up to 500 yds.	Over 500 yds.
Medium grade	1/11	1/10½
In rolls 27 yards long by 36" wide.	2/4½	2/3½

"Fibreglass" bitumen bonded mats in standard rolls

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

Slagwool (loose in 1" thickness)

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

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

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

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

Standard Panelled and Glazed Wood Doors

Type 4 size 2' 0" x 6' 6" x 1 1/2"	each	36/9
Type 2 x G size 2' 6" x 6' 6" x 1 1/2"	each	39/-
Type 4 x G size 2' 6" x 6' 6" x 2"	each	43/-
Type 4 x G size 2' 9" x 6' 6" x 2"	each	45/9
Type 4 x G size 2' 6" x 6' 6" x 2"	each	52/-
Type 4 x G size 2' 9" x 6' 6" x 2"	each	56/3

In lots of from 1 to 11 inclusive.

Standard E.J.M.A. Wood Windows

INP 26 size 2' 6" x 1' 5 1/2"	each	25/4
4V 36 size 3' 6" x 7' 16"	each	113/9
IV 40 size 4' 0" x 2' 2 1/2"	each	33/1
3T 46 size 4' 6" x 5' 11 1/2"	each	116/8
4T 50 size 5' 0" x 7' 10"	each	139/8

Standard E.J.M.A. Kitchen Units

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

Corkboard

Orders under Orders over

1" thick per foot super	20,000 sq. ft.	7½d.	7d.
Cut steel clasp nails to B.S. 1202	1" per cwt.	61/3	
Cut steel floor brads to B.S. 1202	3" per cwt.	43/6	
Bright oval wire nails to B.S. 1202	1" per cwt.	50/4	
Galvanized wire staples with slice cut points, 1" x 12 gauge	per cwt.	63/9	

STEEL AND IRONWORKER

Basic price for rolled steel joists sections, 5" x 4½" to 16" x 6" in 10-ft. to 50-ft. lengths	ex mills per ton	17	16	6
Ditto of 9" x 7" sections	ex mills per ton	18	1	6
Ditto of 4" x 3" sections	ex mills per ton	18	16	6
Ditto of 5" x 2½" sections	ex mills per ton	18	11	6
Ditto of 10" x 8" sections	ex mills per ton	18	6	6
Ditto of 12" x 8", 14" x 8", 16" and 18" x 6", 18" x 7", 18" x 8", 20" x 6½", and 20" x 7½" sections	ex mills per ton	18	6	6
Ditto 22" x 7" sections	ex mills per ton	18	11	6
Ditto 3" x 1½" sections	ex mills per ton	21	6	6
Ditto 3" x 3" sections	ex mills per ton	19	1	6
Ditto 4" x 1½" sections	ex mills per ton	20	6	6
Ditto 5" x 3" sections	ex mills per ton	18	6	6
Ditto 24" x 7½" sections	ex mills per ton	18	16	6
Ditto of solid steel columns	ex mills per ton	18	16	6
Ditto of angles	ex mills per ton	17	16	6
Ditto of tees	ex mills per ton	18	16	6

All delivered to Station or Siding.

PLASTERER

Plaster and Cement

Thistle (browning) to B.S. 1191, Class B	per ton	98/9	6-ton loads	88/9
Gypstone to B.S. 1191, Class B	per ton	70/6		
Paristone (haired) to B.S. 1191, Class B	per ton	73/-	ex Works, Kent.	
Ditto (unhaired)	per ton	70/6		
Glastone to B.S. 1191, Class C	per ton	73/-		
Sirapite (coarse) to B.S. 1191, Class C	per ton	90/3		
Ditto (fine) to B.S. 1191, Class C	per ton	104/3		
Keene's Pink to B.S. 1191, Class D	per ton	155/6		
Keene's White to B.S. 1191, Class D	per ton	161/9		
Cullamix (Tyrolean Finish), 1-ton lots and upwards	per ton from	155/6 to 189/-		

PLASTERER—(continued)

Sundries			
Sharp washed sand to B.S. 1198	.....	per yard cube	16/4
Cow Hair	.....	per cwt.	84/6
Goat Hair	.....	per cwt.	102/6
Expanded metal lathing, 9' 0" × 2' 0" × 3/8"	.....	per sheet	4/8
mesh × 26 gauge	.....	.....	.....
1/2" Plasterboard (plaster lath)	.....	.....	.....
.....	25-75 yards	150-300 yards	Over 600 yards
per yard super	2/1 1/2	1/10 1/2	1/8 1/2
Galvanized lath nails	.....	per cwt.	84/6
Hessian Scrim cloth in 100-yard rolls, 3 1/2" wide	.....	per roll	7/6

Wall Tiles

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

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

PLUMBER

Lead			
3 1/2 lb. and upwards milled sheet lead in quantities of 5 cwts. to 1 ton in sheets to B.S. 1178	.....	per cwt.	107/6
Lead ternary alloy, No. 2 quality extra over sheet lead or lead pipe	.....	per cwt.	16/-
Allowance for old lead delivered to merchant or manufacturer	.....	per cwt.	81/3

Cast Iron Goods

	Percentage Adjustment on List No. 3100 A.B.
Rainwater Goods (painted or unpainted)	Plus 70%
Soil goods (coated or uncoated)	Plus 70%

Mild Steel Rainwater Goods

	Standard List +
Gutters	83 1/2%
Pipes and Fittings	93 1/2%

Asbestos-Cement Rainwater Goods

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

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

Rainwater Pipes.

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

Round Pipes.

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

Gutters.

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

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

INTERNAL PLUMBER

Lead pipe in coils, 5 cwts. and upwards, to B.S. 602	.....	per cwt.	108/9
Lead soil pipe	.....	per cwt.	111/9
Add if ribbon marked	.....	per cwt.	-3
Plumber's solder	.....	per cwt.	307/-
Tinman's solder	.....	per cwt.	381/-
Drawn lead traps with brass screw eye, 6 lb., to B.S. 504	.....	.....	.....
.....	1"	1 1/2"	1 3/4"
S. trap	.....	each	4/7
P. trap	.....	each	4/1
Extra for 3" deep seal "S" trap	.....	each	1/1
Extra for 3" deep seal "P" trap	.....	each	-8

INTERNAL PLUMBER—(continued)

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

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

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

COPPERSMITH AND ZINC WORKER

Copper

Hot rolled copper sheeting in 5-cwt. lots (4' × 2' sheets), to B.S. 899	.....	16 wire gauge	per lb.	1/9 1/2
Ditto	.....	24 wire gauge	per lb.	1/11 1/2
Copper wire, 10, 12 and 14 gauge (over 2 cwt.)	.....	.....	per lb.	1/10 1/2
Copper nails	.....	.....	per lb.	2/-

GLAZIER

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

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

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

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

1/4" figured rolled and cathedral, to B.S. 952, Section B—untinted	.....	7 1/2d.	per foot super
tinted	.....	10 1/2d.	per foot super
1/4" rolled plate, to B.S. 952, Section B	.....	7 1/2d.	per foot super
1/4" or 1/2" rolled plate, " "	.....	8 1/2d.	per foot super
1/4" or 1/2" rough cast, " "	.....	8 1/2d.	per foot super
Prismatic, to B.S. 952, Section D	.....	1/24d.	per foot super
1/4" wired cast, " "	.....	9 1/2d.	per foot super
1/4" Georgian wired cast, " "	.....	10 1/2d.	per foot super
1/4" polished wired, " "	.....	3/6d.	per foot super
1/4" wired arctic, " "	.....	1/8d.	per foot super

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

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

Radiussed corner bricks to match up with:—

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

PAINTER

Snowcem paint (in free air-tight metal containers)	.....	per cwt.	56/-
White ceiling distemper	.....	per cwt.	29/-
Washable distemper	.....	per cwt. from	82/-
Ready mixed white lead paint (best), semi-gloss, per 32 lb.	.....	per gallon	41/6
Aluminium paint (best quality)	.....	per gallon	31/-
White enamel paint	.....	per gallon	41/-
Stiff white lead (genuine English stack process, 1 ton lots, 1 cwt. kegs)	.....	per cwt.	139/6
Liquid driers, best Terebene	.....	per gallon	20/-
Knottling	.....	per gallon	25/-
Oil stain (asumble)	.....	per lb.	3/4 1/2
Varnish (outside quality), copal oak	.....	per gallon	31/-
" " " general oak	.....	per gallon	25/-
" " " egg shell flattening	.....	per gallon	29/-
Turpentine, genuine American, 5-gallon lots	.....	per gallon	—
" substitute	.....	per gallon	3/8
Linseed Oil Putty	per cwt.	53/3
Ferramastic (14 lb. kegs)	per cwt.	76/9
Size, in 1 S, best quality	per lb.	2/4

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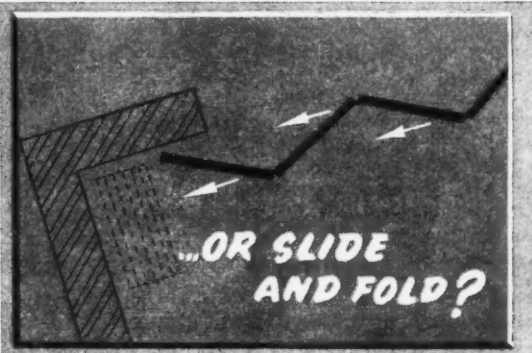
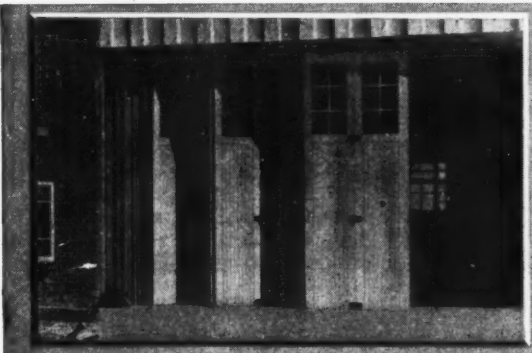
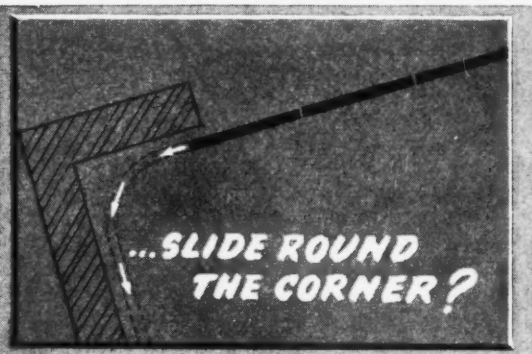
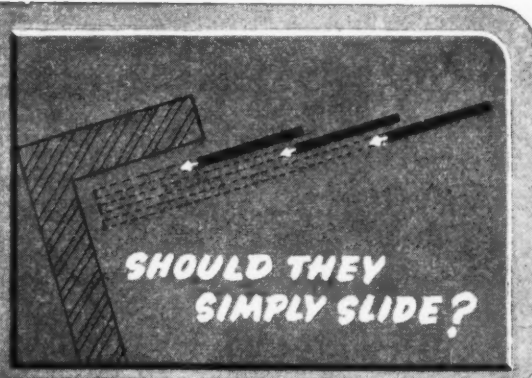
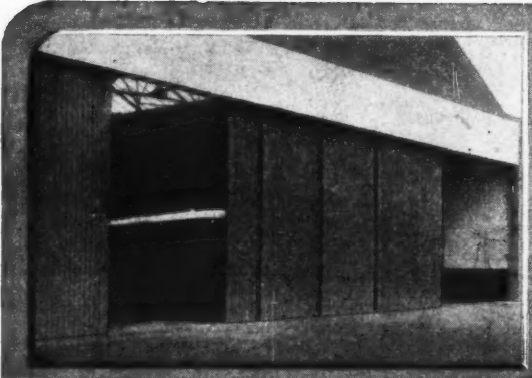
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3/8

3/3

6/9

2/4



These questions, and a great many variations on each, are answered in our *New General Catalogue No. 48*, with diagrams, photographs and complete specification data. This is now available and will be sent upon request.

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No. 10 of a Series by Semtex Ltd.

SEMASTIC DECORATIVE TILES IN HOTELS



Photograph by courtesy of Pier Hotel, Brighton.

ABLE to withstand wear; possessing a cheerful appearance that will outlast rough usage; simple to clean—these properties any flooring material must have if it is to give good service in use in the hotel.

The architect's problem in these days is to find such a flooring material at an economic price; today, more than ever, high taxes and restrictions have narrowed down that proportion of revenue which can be devoted to the rehabilitation of hotels. Yet never before has the need to resuscitate the charm of inn and hostelry been of greater importance to the nation. £40,000,000 of foreign currency spent by foreign visitors this year—what of 1949? What is the architectural implication—the stone flag and the tile are traditional materials to support the ample bulk of mine host in the Dickensian legend—but today a much greater degree of comfort is *sine qua non*—the illustration shows an hotel bar in Semastic Decorative Tiles; the tradition of the paved floor has been upheld by the use of one of the most modern flooring materials, materials bonded with synthetic resin under great pressure.

Semastic Decorative Tiles have been tested by the Building Research Station: we will gladly furnish any architect with the report. They have been in full production in this country for some time now, and floors laid years ago are still attractive and promise many years of future service. In bars, clubs, public rooms, restaurants, and elsewhere in hotels and inns throughout the country, they are giving good solid cheerful service.

Made in a wide range of colours, plain and marbled, this floor tile lends itself to inclusion in any scheme of decoration—from the sober richness of the foyer of the five-star

establishment to the simple bar or dining-room of the small inn.

Bright or sombre, the Semastic Decorative Tile gains a quality of surface over the years that is very attractive; they look comfortable and feel comfortable to the tread; they do not provide a "hard floor."

Accidental damage—the bane of everyone who has to maintain floors in buildings in public use—is so easily dealt with by replacing just so many tiles as may have been affected—but that the Semastic Decorative Tile will stand up to so much and still come up smiling means that repairs are reduced to a minimum. How is this possible? Simply because the materials used in manufacture have been chosen to produce a first-class flooring material; the Semastic Decorative Tile has been built to do the job, and it does it.

Semastic Decorative Tiles do not stain easily; a damp mop will leave them clean and fresh, and a very occasional treatment with emulsion polish, used sparingly, will restore their lustre. They are highly resistant to cigarette burns. Laying is quick and easy—they can be walked on as soon as laid—in fact, the sooner the better. Where old floor surfaces are badly worn, a simple underlayment will provide a smooth floor finish and a perfect bond for Semastic Decorative Tiles.

Architects are particularly asked to notice that Semastic Decorative Tiles are sold at a price inclusive of laying by the craftsmen of Semtex Ltd., or by those of the Company's approved contractors. Semtex Ltd. believes that good material must be properly laid down to give good service. By specifying Semastic Decorative Tiles you specify a good floor surface, "well and truly laid."

Semtex specialists will be pleased to advise and co-operate in all your flooring plans.

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Contracting work with Semastic Decorative Tiles is also undertaken by the following Approved Contractors:

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Hollis Bros. & Co., Ltd., LONDON, HULL and LEICESTER.
Horsley Smith & Co. (Hayes), Ltd., HAYES, Middx.
The Limmer & Trinidad Lake Asphalt Co., Ltd., LONDON and branches throughout the U.K.
The Penmaenmawr & Trinidad Lake Asphalt Co., Ltd., LIVERPOOL.
The Western Trinidad Lake Asphalt Co., Ltd., CARDIFF.

Telegrams: Semtex, Haver, London.

INFORMATION CENTRE · INFORMATION SHEETS
QUESTIONS AND ANSWERS · CURRENT TECHNIQUE
THE INDUSTRY · PRICES · TECHNICAL ARTICLES

TECHNICAL SECTION

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

INFORMATION CENTRE

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

2.57 planning: general DEVELOPMENT PLANS

The Town and Country Planning (Development Plans) Regulations, 1948. Statutory Instruments, 1948, No. 1767, made July 28, 1948. Ministry of Town and Country Planning. (HMSO. 1948. 3d.)

Important regulations under Part II of Town and Country Planning Act, 1947, dealing with form and content of development plans, and coming into operation on August 16, 1948.

Part I of these regulations contains an interpretation of terms used. A development plan may relate to any part of the area of a local planning authority. Every map included in a development plan and every extract therefrom should show a key describing the notation used.

The second part of the document deals with the form and content of a development plan. In general, such plans should consist of a basic map and a written statement and such other maps as may be required. Basic maps for county boroughs and the administrative county of London should be drawn to a scale of 6 inches to a mile. They are referred to as *town maps*. Basic maps concerning counties are called *county maps* and should be drawn to a scale of one inch to a mile. Where a development plan deals with land as an area of comprehensive development, a map defining the area should be prepared to a scale of 1/2,500. Such maps are referred to as *comprehensive development area maps*. The same scale is applicable in the case of development plans dealing either with land as subject to compulsory acquisition or with land for proposed street development. The maps showing the areas thus designated are respectively called *designation map* and *street authorization map*. Every county and town map should be accompanied by a *programme map* to a similar scale indicating the stages

by which the proposals are to be carried out. Such maps should distinguish at least between (a) the first five years after the approval of the development plan, and (b) the remainder of the period covered by the plan. Programme maps in connection with comprehensive area development maps should be drawn to a scale of 1/2,500, indicating stages of development for intervals of not more than 5 years.

The written statement which forms part of every development plan should contain a summary of the main proposals. In relation to comprehensive area development maps it is required to state the purpose for which the area is to be developed or redeveloped, and a use zone table is to be provided showing the main types of development proposed to be permitted or disallowed in different parts of the area. In the case of designation maps the statement should include details as to proposed land uses and as to the allocation of the land to an authority.

Part III of the regulations covers procedure for the submission and approval of development plans, and includes the following aspects:—The submission of the plan to the Minister by the local planning authority, and the notice by advertisement to be published on submission; public local inquiries in connection with objections to the plan; the notice by advertisement to be published of the Minister's approval of the plan; the deposit and sale of copies of and access to the plan.

Part IV provides for development plan procedure in connection with proposed trunk roads and new towns.

The schedules appended to the document give detailed information on the range of particulars and proposals to be included in town, county, comprehensive area development and designation maps, and contain forms of notices for the submission and the approval of development plans. Finally, it should be noted that the regulations apply also to proposals for alterations or additions to a development plan.

4.41 planning: urban and rural HOUSING ESTATES: APPEARANCE

The Appearance of Housing Estates. Ministry of Health. Central Housing Advisory Committee. (HMSO. 1948. 6d.)

Report on means of improving appearance of local authority housing estates dealing mainly with remedial measures concerning landscape treatment of existing estates. Recommendations depending on initiative of local authorities and on co-operation of tenants. Financial aspects. Appendices, including short list of official publications on estate layout.

Much of the recommendations put forward deal with landscaping aspects such as tree planting on the pavement and in front gardens, the maintenance of public green spaces, and the planting in spaces around blocks of flats. It is further recommended that colour-washing should be more frequently used as a means of providing variety to relieve the drab and monotonous appearance of many houses, and that light colours should be used in painting non-traditional houses avoiding, however, the painting of large groups of houses in the same colour. Blocks of flats should be pro-

vided with window boxes and tenants' activities in connection with the care of house and garden should be encouraged. In suitable cases experiments should be made with the removal of front fencing in order to improve the appearance of roads, provided the front gardens are well kept.

Appendix B gives information on the cost of colour-washing and on the cost of maintaining front gardens based on experience in Liverpool and Southampton. Statutory powers and financial arrangements governing the provision of amenities by local authorities are explained in Appendix C, while Appendix D contains evidence submitted by the Bournville Village Trust based on their long experience of estate development and amenities.

10.39 design: building types EQUIPMENT

First Report of the Hospital Equipment Standards Advisory Committee. PD. 794. (British Standards Institution, 1948. 6d.)

Committee formed in 1947. Report gives history and work to date and forecasts publications of number of British Standards later this year.

15.37 materials: applied finishes and treatments CLEANING OF METAL

Metal-Cleaning Processes—J. Mechanical Cleaning. (The Decorator, July, 1948. pp. 76-77.)

Brief article on chemical cleaning processes. Describes the three methods of hand-wiping, sand and shot blasting, and tumbling, together with their relative advantages and disadvantages and the media used for the two latter processes. To be followed by a second part.

17.37 construction: general PROGRESS IN WELDING

Ten Years' Progress in Structural Welding. O. Bondy. (Civil Engineering and Public Works Review, June, July, August, 1948, pp. 290-3, 354-7, 408-412.)

Review of recent developments emphasizing vital importance of welding for the survival of a competitive steel industry. Progress in design, research, practical applications.

20.94 construction: complete structures WELDED BRIDGES

The Construction of Welded Bridges in Europe. M. H. Goelzer. (The Welder, April-June, 1948, pp. 34-38.)

Brief historical survey of the development of welded steel bridges on the Continent since 1948; good illustrations.

20.95 construction: complete structures PLASTICS AND ALUMINIUM FACING

Hotel Faced with Plastic and Aluminium. (Eng. News-Record [USA], July 22, 1948, pp. 70-3.)

Twenty-one-storey Laurentian Hotel in Montreal faced with Indiana limestone, extruded aluminium and plastic boards.

The structure is steel framed, the exterior consists of a 12 in. thick cinder concrete back-up wall with outside facing of several different types of material. Either Indiana limestone or extruded aluminium was applied to the vertical strips between windows. Spandrels consist of a 1-in. thick plastic board, cream coloured adjacent to the limestone facing and dark green contiguous to the aluminium. Aluminium was also used in the building for exterior window sills, lintels, main entrance canopy, store front, etc.

More than just a

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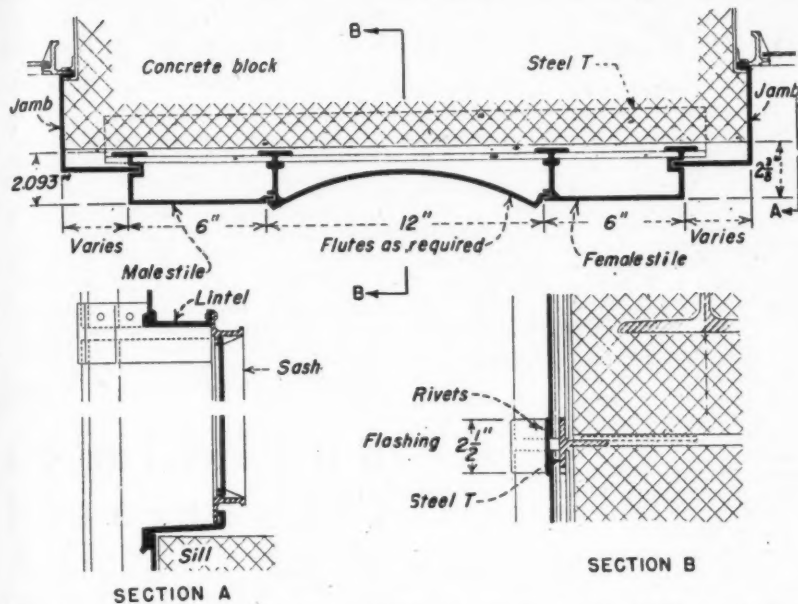
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Plastics and aluminium wall facing. Horizontal section showing the three main types of extrusion used as facing. Special extruded lintels hold the spandrels in place. See 20.95.

An outstanding feature of this hotel is that 1,100 factory-built bathroom units were shipped to the job without crating. They were brought into the building before masonry walls or floors were constructed, and bolted to the steel framework.

The floors are of precast lightweight concrete slabs spanning between joists.

23.77 heating and ventilation AUSTRALIAN EXPERIMENTS

Thermal Characteristics of Model Structures. J. W. Drysdale. (Duplicated Document No. 26. Commonwealth Experimental Building Station, Sydney. April, 1948. 1s.)

Description of tests on scale models of houses. Conclusions showed that for summer conditions scale models could be used for tests on thermal characteristics of differing types of construction. Some experimental conclusions of interest to anyone building in hot climates.

25.59 water supply and sanitation PLUMBING IN AMERICA

Plumbing in America. National Building Studies, Special Report No. 2. F. L. Barrow. (HMSO, 1948, 6d.)

Report of visit to USA in 1946 by member of BRS staff. Various lectures reported in technical journals have previously covered main points, but the full report is interesting as a comparison of methods.

Much of the information covered by this report has already appeared in trade papers' reports on various lectures given by the author. The complete report is interesting as a description of American practice, and it is worth noting that some of the practices described as different from our own are due to the very different conditions.

The report is divided into 7 sections plus summary and conclusion. Among the conclusions it is interesting to note the concern of Americans with the dangers of pollution due to cross infection and back-siphonage. We have been almost free of this trouble, chiefly because of our use of storage tanks and stringent regulations, but it is a vital point to be watched by those who wish to push for the adoption of American methods.

The pitch fibre pipe appears to be the only material common in America, which is not used here.

A point of some importance emerges in the discussion of one-pipe plumbing. Americans seem generally in agreement with our Post-War Study Committee Report on Domestic Drainage, but on the question of cost they emphasize the simpler and more economical lay-out of underground pipes which results from using the one-pipe system. This means that for a fair comparison of costs, the whole of the system both above and below the ground must be considered.

Apparently we have something to gain from a study of American appliances. On pre-fabricated plumbing the author states that American ideas follow our own, i.e., in favour of partial pre-fabrication rather than total.

Conclusions as to the wisdom of placing soil stacks within buildings are indefinite. It all depends upon the quality of workmanship. It appears that American plumbers are registered and are called upon to show a certain degree of proficiency. The author hesitantly suggests that some such safeguard in this country might reduce the opposition to internal pipes.

25.60 water supply and sanitation DRAINS

Minimum Gradients for Drains. L. B. Escritt. (The Surveyor, 6.8.48.)

Good discussion of requirements for small drains. Critical comment on present practice.

There have been a number of references recently to the absurdity of continuing the common practice of laying drains to the 1:40, 1:60, 1:90 rule. In this article the author puts forward a strong plea for a more rational method of design. He points out that this rule is 100 years old and has continued in existence only because it is so easy to remember. He quotes a number of authorities who have examined practical examples of proving this rule to be unsound and wasteful, and then examines the theory of the problem and makes certain recommendations.

The case for a revision of practice seems strong, but it remains for official action by controlling authorities to enable architects to

design more sensibly. Meantime, a better knowledge of the facts would put architects into a position where they could argue the case more effectively.

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

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QUESTIONS AND ANSWERS

2963 ROAD CHARGES

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Announcements Publications Received

Mr. F. J. Halliday has been appointed manager of the Midland Branch office of Bull Motors (E. R. & F. Turner, Limited) at 8, Waterloo Street, Birmingham, 2. Mr. Halliday, who has been with the company for 20 years, served his apprenticeship in the works and has had experience in the technical office and more recently in sales and estimating at both Ipswich and London. During the war he was commissioned in the REME and served overseas. Latterly he has been concerned with the company's export sales.

A 90 days' test using mastic tiles has just been completed on the decks of the BAOR leave ship *Empire Parkston*, plying between Harwich and the Hook. A lobby from the boat deck to the troops' quarters below was laid, chequer-board fashion, in sematic decorative tiles. Although 180,000 men have tramped through the lobby, we are told that the tiles are as tight, sound, and clean as they were at the beginning of the test.

GEC fluorescent lighting with decorative fittings have been installed at the offices of the Ottoman Bank, Abchurch Lane, London, E.C.4. The main and private offices are lit throughout by Osram 5-ft. 80-watt lamps in twin- and triple-lamp fittings with bronze-finished metalwork and champagne-tinted glass. An average illumination of 15 lumens per sq. ft. is provided. In the directors' offices and board room are 5-ft. 80-watt lamps in Laylight fittings, also with bronze metalwork and champagne-tinted glass. Lighting in the general offices comes from 80-watt lamps in one- and two-light Perspex troughs. The architects were Messrs. Campbell Jones, and the electrical contractors Messrs. Thorpe & Thorpe Limited.

Durham Cathedral, by W. A. Pantin. Cathedral Books No. 2. Lund Humphries. 3s. 6d.

Liverpool Past—Present—Future, by J. F. Smith, Gordon Hemm, and A. Ernest Shennan. The Northern Publishing Co. Ltd. 12s. 6d.

The Work of William Kent, by Margaret Jourdain. Country Life Ltd. £2 2s.

National Trust Guide—Buildings, by James Lees-Milne. B. T. Batsford Ltd. 7s. 6d.

Brickwork, by E. G. Dormon and E. J. Elmes. Sir Isaac Pitman & Sons Ltd. 7s. 6d.

Journal of the Bristol Society of Architects. Bristol Society of Architects. 1s.

Planning Outlook, Journal of the School of Town & Country Planning, King's College, University of Durham. Editor, J. S. Allen. Geoffrey Cumberlege, Oxford University Press. 10s. 6d.

Man the Builder, by Richard Coppock and Harry Heumann. St. Botolph Publishing Co. Ltd. 2s. 6d.

Approach to Architecture, by Manning Robertson and N. K. Robertson. Edward Arnold & Co. 10s. 6d.

Whitbread Craftsmen, edited by John Moore. Whitbread & Co. Ltd. 5s.

The Brewer's Art. Whitbread & Co. Ltd. 5s.

Two Sides or One Team?, by D. C. Burgess. London Master Builders' Association. 1s.

Architecture Practice and Procedure, by Hamilton H. Turner. B. T. Batsford Ltd. 18s.

Solid and Laminated Wood Bending, by W. C. Stevens and N. Turner. H.M.S.O. 5s.

Drainage and Sanitation, by E. H. Blake, revised by W. R. Jenkins. B. T. Batsford Ltd. 15s.

Metalwork, by Donald Smith. B. T. Batsford. 7s. 6d.

The Dublin City Churches, by H. A. Wheeler and M. J. Craig. S.P.C.K. 5s.

The Inn and the Garden City, by Elizabeth and Gilbert McAllister. B. T. Batsford Ltd. 5s.

Fletcher's Quantities, revised by A. E. Baylis. B. T. Batsford Ltd. 30s.

Building and Public Works, Administration, Estimating and Costing, by Spence Geddes. George Newnes Ltd. 25s.

Windmills in England. A study of their origin, development and future, by Rex Wailes. The Architectural Press. 12s. 6d.

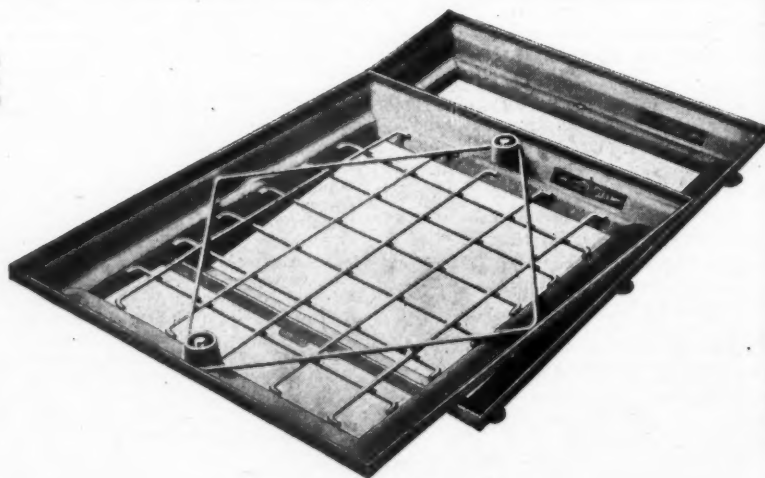
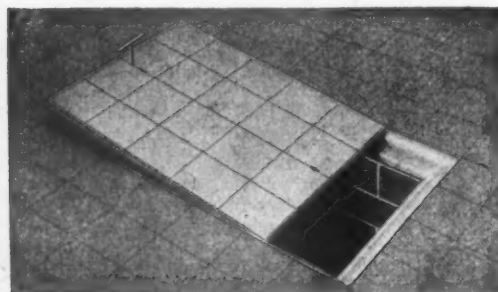
The Home of Man, by Le Corbusier and Francois de Pierrefeu. The Architectural Press. 10s. 6d.

Buildings Illustrated

Booking Office for Aer Lingus (pages 359-360). Architects: J. V. Downes and F. B. Meeham, F. & M.R.I.A.I. Associated architect: Gordon Toplis, D.S.C., A.R.I.B.A. General contractor: Portman Structural & Decoration Co. Ltd. Sub-contractors: electric light fixtures, Troughton & Young, Ltd.; ventilation, M. & J. Lossos & Co. Ltd.; door furniture, Comyn Ching & Co. Ltd.; decorative plaster, G. Jackson & Sons, Ltd.; furniture, Ernest Race supplied by Heals; shop fittings, D. Burkle & Sons, Ltd.; signs, Nash & Hull, Ltd.

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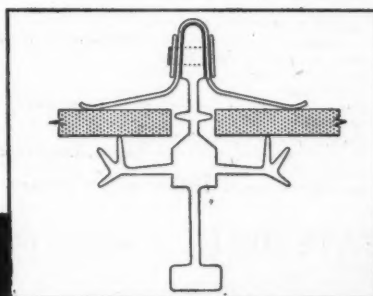
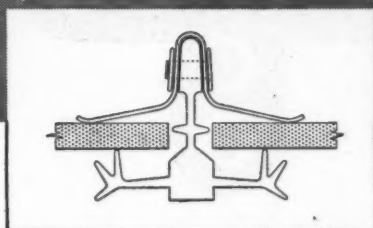
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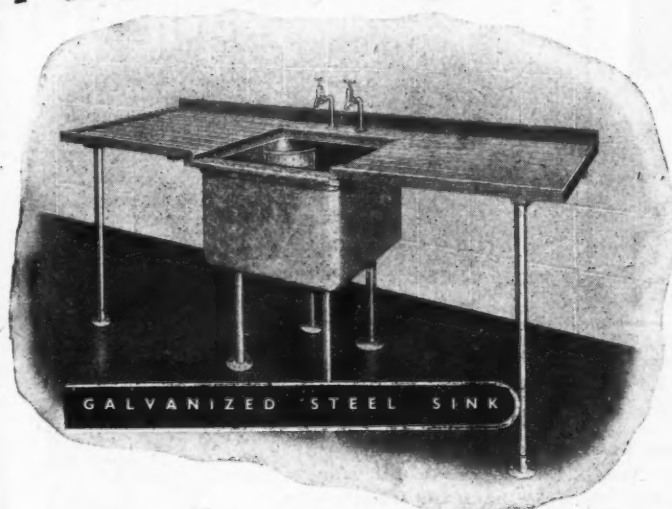
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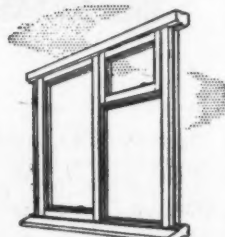
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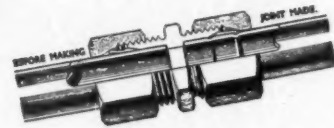
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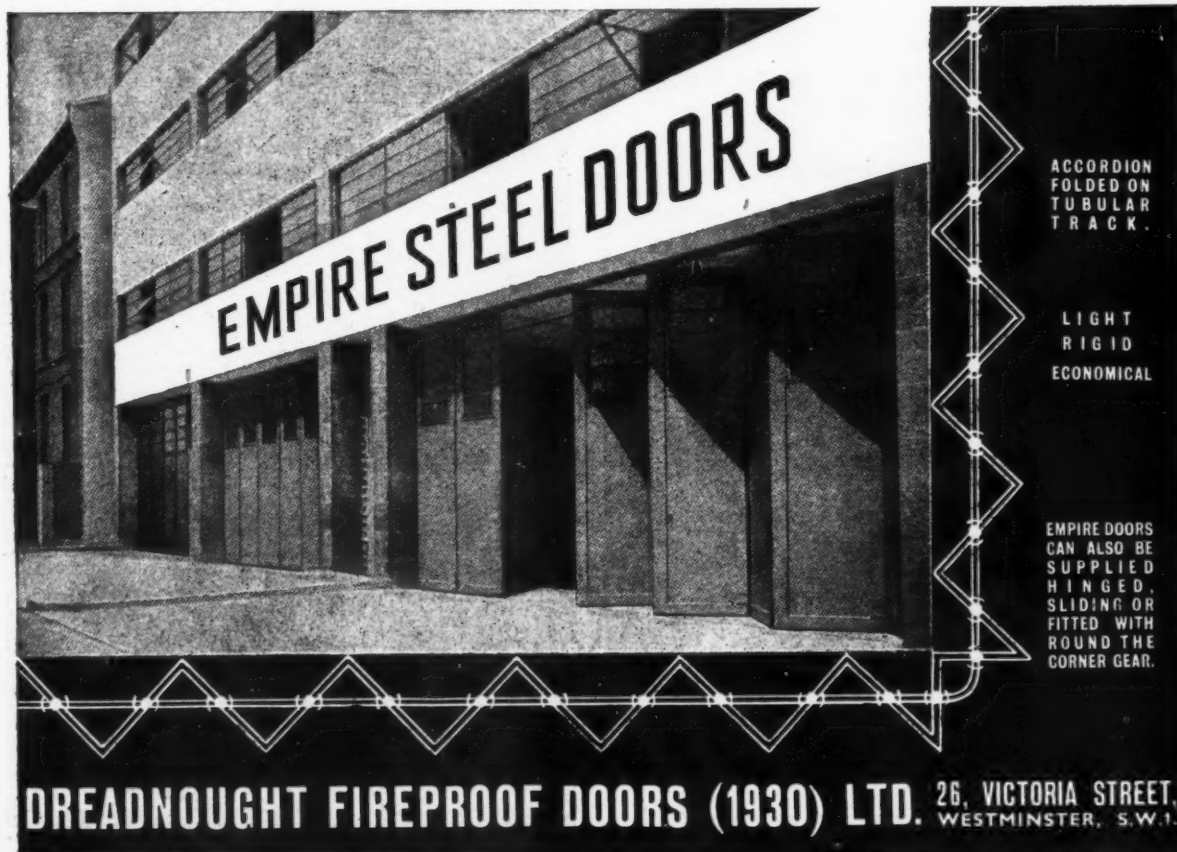
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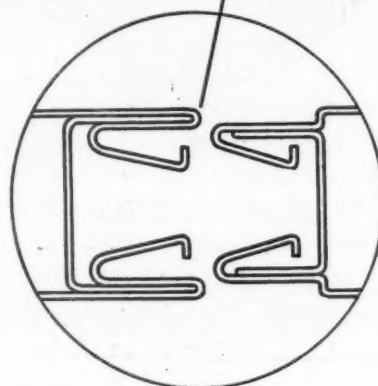
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LONDON COUNTY COUNCIL.
HOUSING AND VALUATION DEPARTMENT.
ARCHITECTURAL ASSISTANTS. Applications are invited for positions of Architectural Assistant, at salaries of up to £580 a year. Commencing salaries will be determined according to qualifications and experience, and qualified candidates will be eligible for appointment to the permanent staff of the Department on the occurrence of vacancies. Engagement will involve Superannuation contributions at the rate of 6 per cent. of salary.

Successful candidates will be required to undertake the design, layout, and preparation of working drawings for housing schemes (cottages and multi-storey flats), and will be employed in the Housing Architect's division.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1, (stamped "addressed foolscap envelope required"). Canvassing disqualifies. (870). 1032

BOROUGH OF WORTHING.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

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

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

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

Applications endorsed "Senior Architectural Assistant," stating age, qualifications, present and previous appointments and experience, with dates, and accompanied by copies of three recent testimonials, should be forwarded to the Borough Engineer and Surveyor, Town Hall, Worthing, not later than 12 noon on Friday, 22nd October, 1948.

ERNEST G. TOWNSEND.
Town Clerk.

Town Hall, Worthing.
23rd September, 1948. 1930

COUNTY BOROUGH OF GREAT YARMOUTH.
TOWN PLANNING DEPARTMENT.
APPOINTMENT OF JUNIOR TOWN PLANNING ASSISTANT.

Applications are invited for the appointment of Junior Town Planning Assistant, in the Town Planning Department of the Council, at a salary in accordance with Grade I of the Administrative, Professional and Technical Division of the National Scales of Salaries, i.e., £390 per annum, rising by three increments of £15 to £435 per annum.

The applicant should be a good draughtsman, with some planning or architectural experience or knowledge of estate agency.

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, stating age, qualifications and previous experience, together with copies of three recent testimonials, should be enclosed in an envelope endorsed "Town Planning Assistant," and must reach the undersigned not later than the 22nd October, 1948.

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

FARRA CONWAY.
Town Clerk.

Town Hall, Great Yarmouth.
8th October, 1948. 1995

BOROUGH OF SOUTHAALL.

APPOINTMENT OF DRAUGHTSMAN.

Applications are invited for the above appointment on the permanent staff of the Corporation, at a salary in accordance with Miscellaneous Division, Grade I, of the National Scheme (£315 × £15—£360), plus appropriate London weighting. Candidates should be competent draughtsmen, and the appointment is open to women applicants as well as men. The successful candidate would have an opportunity of assisting with architectural and town planning work, and the post therefore offers scope to a keen applicant anxious for advancement.

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

It is a condition of appointment that the successful applicant shall be a member of his or her appropriate trade union, professional organization or other recognized body.

Applications, on forms to be obtained from the Borough Engineer, Town Hall, Southall, must be returned to him on or before Monday, 25th October, 1948. Canvassing will disqualify.

J. S. SYRETT.
Town Clerk.

Town Clerk's Office, Southall. 1940

COUNTY BOROUGH OF DERBY.

BOROUGH ARCHITECT'S DEPARTMENT.

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

ONE SENIOR QUANTITY SURVEYOR. Grade VI, A.P. and T. Division. Salary £595-£660 (Consolidated).

Applicants should be Chartered Quantity Surveyors or prospective, and have had experience in the preparation of quantities, specifications, site measuring, estimates and final accounts.

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

Form of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Corporation Street, Derby, and should be returned when completed, together with copies of three testimonials, to arrive not later than Monday, 25th October, 1948.

Canvassing, directly or indirectly, will be a disqualification.

C. ASHTON.
Town Clerk.

The Council House, Corporation Street,
Derby. 1927

CITY OF WAKEFIELD.

CITY ENGINEER'S DEPARTMENT.

ARCHITECTURAL AND QUANTITY SURVEYING STAFF.

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

(a) TWO PRINCIPAL ARCHITECTURAL ASSISTANTS. Grade A.P.T., VII (£635-£710). Applicants for one of these appointments should have had good experience in Housing and General work, and for the other appointment experience on Educational Buildings and new Schools is required. Applicants for these appointments should hold the qualification A.R.B.A.

(b) TWO ARCHITECTURAL ASSISTANTS. Grade A.P.T., II (£420-£465).

(c) QUANTITY SURVEYOR. Salary, Grade A.P.T., V-VI (£520-£660).

The appointments will be subject to the Local Government Superannuation Act, 1937, and to the passing of medical examinations.

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

Applications, endorsed with the title of the appropriate appointment, stating age, qualifications, present and previous appointments and experience, should be accompanied by copies of two testimonials, and sent to me not later than Saturday, the 23rd October, 1948.

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

W. S. DES FORGES.
Town Clerk.

30th September, 1948. 1952

SALOP COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

SENIOR ASSISTANT ENGINEER.

Applications are invited for the appointment of Senior Assistant Engineer on A.P.T. Grades IV and V (£480-£570 per annum). Applicants must be experienced in the preparation of heating and electrical schemes.

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

Application forms may be obtained from the County Architect, Mr. A. G. Chant, F.R.I.B.A., 5, Belmont, Shrewsbury, to whom they must be returned, accompanied by copies of not more than three recent testimonials, not later than Monday, 25th October, 1948. G. C. GOLDBER.
Clerk of the Council.

Shrewsbury, October, 1948. 1949

CITY OF WAKEFIELD.

CITY ENGINEER'S DEPARTMENT.

TOWN PLANNING ASSISTANTS.

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

(a) CHIEF TOWN PLANNING ASSISTANT. Grade A.P.T., VII (£635-£710).

(b) SENIOR TOWN PLANNING ASSISTANT. Grade A.P.T., V (£520-£570).

(c) TOWN PLANNING ASSISTANT. Grade A.P.T., IV (£480-£525).

Applicants for appointment (a) will be required to take charge of the Town Planning Section of the City Engineer's Department, and applicants for the appointments should hold suitable qualifications.

The appointments will be subject to the Local Government Superannuation Act, 1937, and to the passing of medical examinations.

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

Applications, endorsed with the title of the appropriate appointment, stating age, qualifications, present and previous appointments and experience, should be accompanied by copies of two testimonials and sent to me not later than Saturday, the 23rd October, 1948.

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

W. S. DES FORGES.
Town Clerk.

30th September, 1948. 1951

COUNTY BOROUGH OF DERBY.

APPOINTMENT OF PLANNING STAFF

(ESTABLISHED).

(a) GENERAL PLANNING ASSISTANT (£480-£525).

(b) JUNIOR PLANNING ASSISTANT (£390-£435).

Applications are invited for the following appointments in the Town Planning Department, Borough Engineer and Surveyor's Office:—

(a) GENERAL PLANNING ASSISTANT (Grade IV, £480-£525).

Candidates should be suitably qualified and experienced in general planning work, preferably in a large Municipal office. In this appointment preference will be given to a person with a surveying (valuation and estate management) background, or to a person with a degree in economics.

(b) JUNIOR PLANNING ASSISTANT (Grade I, £390-£435).

Candidates should be trained in a Municipal office, be good surveyors and draughtsmen, and should have had some experience of town planning work. Preference will be given to candidates who are students of the Town Planning Institute, the Chartered Surveyors' Institution, or the Institution of Municipal Engineers.

Conditions of service are those formulated by the National Joint Council, and the appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination. The appointments will be terminable by one month's notice on either side. Applications, appropriately endorsed, together with copies of three recent testimonials, should be sent to M. L. Francis, F.R.I.C.S., M.I.Mun.E., Borough Engineer and Surveyor, The Council House, Corporation Street, Derby, not later than the 26th October, 1948. Canvassing, directly or indirectly, will be a disqualification, and candidates should state whether they are related to any member or senior official of the Council.

C. ASHTON.
Town Clerk.

Town Clerk's Office,
The Council House, Derby.

October, 1948. 1969

SUDAN GOVERNMENT.

The Public Works Department, Sudan Government, requires: (a) ONE SENIOR ARCHITECTURAL ASSISTANT for service in the Sudan; for (a) the design of and preparation of working drawings for the several building works of a public authority, and for (b) the preparation of working drawings for general building work. Candidates for (a) must hold recognized professional qualifications; preference will be given to those who have passed the whole, or part, of the final examination R.I.B.A. Adequate experience of design is required and also of the preparation of working drawings to general building construction standard. Candidates for (b) should have had a sound architectural training and experience of general building work and be capable of the preparation of working drawings. In both cases experience of Hospital work would be an advantage. Appointment will be on a Short Term Contract for two years. The salary range in the case of (a) is ££600 to ££1,200 and in the case of (b) ££450 to ££775. The starting rate in each case would be according to age, experience, and qualifications. A cost-of-living allowance ranging from ££180 to ££390 per annum, according to the number of dependants, is at present payable. An outfit allowance of ££60 in the case of (a) and ££40 in the case of (b) is payable when contract is signed, provided salary on appointment does not exceed ££800. No income tax is at present payable in the Sudan. Free passage on appointment and strict medical examination. ££1 = £1 0s. 6d. Papers containing full information for candidates are obtainable from the Sudan Agent in London, Wellington House, Buckingham Gate, London, S.W.1. Please mark envelopes "Assistant Architect" or "Architectural Assistant" as appropriate.

CHICHESTER RURAL DISTRICT COUNCIL. ENGINEER AND SURVEYOR'S DEPARTMENT.

CHIEF PLANNING ASSISTANT.

Applications are invited for the appointment of Chief Planning Assistant, in the Engineer and Surveyor's Department, with salary in accordance with Grade A.P.T. VI (£595 to £660).

Candidates should have a sound experience of planning administration, preferably under a Local Authority, and must be either A.R.I.C.S., A.R.I.B.A., or A.M.I.Mun.E., and membership of the Town Planning Institute in addition is desirable.

The Council has the full delegated powers permitted under the Town and Country Planning Act, 1947, and the person appointed will be responsible for the examination of all deposited plans, acting as liaison officer between the department and the County Planning staff, compiling reports and supervising the keeping of records, including the Statutory Register.

The Council will provide a house if required. The appointment is subject to—

- (a) The National Scheme of Conditions of Service; (b) one month's notice on either side; (c) the Local Government Superannuation Act, 1937; and (d) a medical examination.

Forms of application and further information may be obtained from J. K. Lawson, F.R.I.C.S., Engineer and Surveyor to the Council, East Pallant House, Chichester, and applications accompanied by copies of two recent testimonials, must be delivered to the undersigned not later than 23rd October, 1948.

(Sgd.) LEONARD BAILEY,
Clerk to the Board.

Pallant House, Chichester.
30th September, 1948. 1965

CITY OF COVENTRY.

Applications are invited for the following whole-time appointments on the permanent staff of the City Architectural Department:—

- (a) ONE CHIEF ASSISTANT ARCHITECT. Salary grade, A.P.T. VIII, commencing at £685 per annum and rising to £760 per annum.

- (b) ONE ASSISTANT ARCHITECT, acting as Section Deputy. Salary grade on A.P.T. V, commencing at £550 per annum and rising to £610 per annum.

- (c) ONE ASSISTANT ARCHITECT. Salary grade A.P.T. V, commencing at £520 per annum and rising to £570 per annum.

Candidates for the above appointments should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications.

- (d) ONE ASSISTANT ARCHITECT. Salary grade, A.P.T. III, commencing at £450 per annum and rising to £495.

- (e) ONE QUANTITY SURVEYOR, acting as Section Deputy. Salary grade, A.P.T. VII, commencing at £635 per annum and rising to £710 per annum.

Candidates should be Professional Associates of the Royal Institute of Chartered Surveyors (Quantities Division).

- (f) ONE ASSISTANT ENGINEER (Heating and Ventilation). Salary grade, A.P.T. III, as (d) above.

Applicants should preferably be Graduate Members of the Institute of Heating and Ventilating Engineers, and be experienced in the design, preparation of drawings, and specifications for all classes of heating, hot and cold water supplies and ventilation equipment of buildings. The posts are subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, as amended in regard to annuities to widows by the Coventry Corporation Act, 1936, and a satisfactory certificate will be requisite from the Council's medical referee. The successful male applicants will be required to contribute to the Coventry Municipal Officers' Widows' and Orphans' Pension Fund.

In addition applications are invited for the following post on the temporary staff:—

- ONE ASSISTANT ARCHITECT. Salary grade, A.P.T. VIII, as (a) above.

This post will carry special responsibility in connection with the new permanent buildings to be erected in the City Centre.

Salary increments are subject to satisfactory service.

Applications for all the above appointments must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than Tuesday, 26th October, 1948.

Canvassing, directly or indirectly, will be a disqualification. D. E. E. GIBSON,
City Architect.

1A, Warwick Row, Coventry.
7th October, 1948. 1970

COUNTY BOROUGH OF EAST HAM EDUCATION COMMITTEE. SCHOOL OF BUILDING.

Applications are invited for appointment to the full-time post of TEACHER of Painting and Decorating and allied subjects. Full Technological Certificate of the City and Guilds of London Institute or equivalent qualification essential. Burnham Scale salary (London area).

Form of application, which may be obtained from the undersigned, should be returned as soon as possible.

L. JOHN DYER,
Chief Education Officer.

Education Office, Town Hall Annex,
Barking Road, East Ham, E.6.
30th September, 1948. 1964

BELPER RURAL DISTRICT COUNCIL. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant at a salary in accordance with Grade IV, A.P.T. Division, National Scale, together with a motor car allowance in accordance with the National Scale.

Applicants must have architectural qualifications, and have had experience in the design and preparation of house and layout plans, specifications, bills of quantities, roadworks and sewers in connection with housing schemes.

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

Applications, stating age, qualifications and experience, with the names and addresses of two persons to whom the Council may refer, must reach the undersigned not later than the 23rd October, 1948.

H. H. CREASER,
Clerk of the Council.

Council Offices, Derby Road, Belper,
Derbyshire. 1917

COUNTY BOROUGH OF SWANSEA. BOROUGH ARCHITECT'S DEPARTMENT. QUANTITY SURVEYORS.

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

- TWO SENIOR ASSISTANT QUANTITY SURVEYORS (Grade VII, A.P.T.). Salary £635 to £710 per annum.

The salary scale is that of the National Scheme of Conditions of Service.

Applicants must be under 45 years of age unless in Local Government Service, and must be Professional Associates of the Royal Institution of Chartered Surveyors (Quantities Section). Candidates should have experience in the preparation of Bills of Quantities, Specifications and Estimates for Schools, Houses and Buildings of various types.

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.

The appointments may be terminated by one month's notice on either side.

The Council will, if required, make housing accommodation available for the successful applicants.

Forms of application may be obtained from the Borough Architect (Mr. H. T. Wykes, F.R.I.B.A.), Guildhall, Swansea.

Applications, accompanied by copies of three recent testimonials, and enclosed in an envelope endorsed "Senior Assistant Quantity Surveyor," must be delivered to the undersigned not later than Thursday, 4th November, 1948.

Canvassing, directly or indirectly, will disqualify.

T. B. BOWEN,
Town Clerk.

Guildhall, Swansea.
September, 1948. 1942

CITY OF BATH. CITY ENGINEER'S DEPARTMENT. ARCHITECTURAL SECTION.

Applications are invited for the appointment of a GENERAL ARCHITECTURAL ASSISTANT (Permanent), at a salary of £450-£495 or £480-£525 per annum (A.P.T. Grade III or IV), according to qualifications and experience.

Candidates should be Associate Members of the Royal Institute of British Architects or hold equivalent qualifications. Preference will be given to candidates with experience in the design and supervision of housing estates or domestic buildings.

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

Applications, stating age, qualifications and experience, together with copies of two recent testimonials, should be sent to the City Engineer, Guildhall, Bath, not later than Saturday, 23rd October, 1948.

J. BASIL OGDEN,
Town Clerk.

Guildhall, Bath.
29th September, 1948. 1946

SURREY COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of:—

- ARCHITECTURAL ASSISTANT (Grade I). Commencing salary £390, rising by annual increments of £15 to £435 per annum, together with London allowance of £30.

Applicants should be of good general training and experience.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 23rd October, 1948.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration.

The Council will be unable to provide any housing accommodation, and the successful applicant will be expected to make his own arrangements in this respect.

DUDLEY AUKLAND,
Clerk of the Council.

County Hall, Kingston-upon-Thames. 1945

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

Applications are invited for the following posts:—

- (a) ASSISTANT ARCHITECTS (Grade II). Salary scale £500×£225-£750.

- ARCHITECTURAL ASSISTANTS (Grade III). Salary scale £250×£20-£500.

Applicants for Grade II posts should be Fellows or Associates of the R.I.B.A. and should have a sound knowledge of housing.

- (b) ASSISTANT CIVIL ENGINEERS (Grade II). Salary scale £500×£225-£750.

- ENGINEERING ASSISTANTS (Grade III). Salary scale £250×£20-£500.

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

- (c) QUANTITY SURVEYORS. Salary scale £500×£225-£750.

- ASSISTANT QUANTITY SURVEYORS. Salary scale £250×£20-£500.

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

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

For all the above posts the entry point on the salary scale will be determined according to the experience and qualifications of the successful candidates.

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

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

The Northern Ireland Housing Trust was established by the Housing Act (Northern Ireland), 1945, to build and manage houses for workers.

Apply by letter stating post applied for, age, and place of birth, qualifications and experience, and the names of two referees, to General Manager, Northern Ireland Housing Trust, 5, Donegal Square South, Belfast. 1959

WEST SUFFOLK COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT.

Applications are invited for the appointment of ASSISTANT PLANNING OFFICER in the above Department at Bury St. Edmunds, on A.P. and T. Grade VI (£595-£660), position on scale according to qualifications and experience.

The Officer will be required to take charge of the West Suffolk Office under the direction of the County Planning Officer for the purposes of Development Control and Survey work. He should have had wide experience in all aspects of Town and Country Planning, Development Control, and the preparation of factual surveys.

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

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

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

L. G. H. MUNSEY,
Clerk of the County Council.

Shire Hall, Bury St. Edmunds.
1st October, 1948. 1971

COUNTY BOROUGH OF DUDLEY. BOROUGH ARCHITECT'S DEPARTMENT. APPOINTMENT OF BOROUGH ARCHITECT.

Applications are invited for the above permanent appointment, at a salary on the scale £850 per annum, rising by annual increments of £50 to £1,000 per annum, the commencing salary to be fixed according to experience.

Applicants must be members of the R.I.B.A. and have had considerable professional experience and also administrative experience in a Local Government Architect's department. Preference will be given to those who have passed the Final Examination of the Town Planning Institute.

Travelling and subsistence allowances will be paid on the Council's scale, and housing accommodation will be provided on the usual terms and conditions.

The appointment will be subject to the National Conditions of Service and to the provisions of the Local Government Superannuation Act, 1937, to a satisfactory medical examination, and to determination by three months' notice in writing by either side.

Applications should be made on forms to be obtained from the undersigned, to whom they should be returned not later than 28th October, 1948.

IAN R. DRUMMOND,
Acting Town Clerk.

The Council House, Dudley.
30th September, 1948. 1947

BOROUGH OF SOUTHGATE. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT. APPOINTMENT OF SENIOR ARCHITECT- TURAL ASSISTANT.

Applications are invited for the above-mentioned appointment in the Department of the Borough Engineer and Surveyor.

The salary will be Grade V of the A.P.T. Division of the National Joint Council Scales, plus the appropriate London weighting.

Applicants must be Associate Members of the Royal Institute of British Architects or hold an equivalent qualification.

Forms of application may be obtained from the Borough Engineer and Surveyor, and should be returned to the undersigned not later than 9 a.m. on Monday, the 25th October, 1948.

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

GORDON H. TAYLOR,

Town Clerk.
Town Hall, Palmers Green, London, N.13. 1960
1st October, 1948.

SOMERSET COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following posts in the County Architect's Department, viz.:

(a) ONE ARCHITECTURAL ASSISTANT. A.P.T., Grade VI. Salary scale, £595 to £660.

(b) ONE ARCHITECTURAL ASSISTANT. A.P.T., Grade V. Salary scale, £520 to £570.

(c) THREE ARCHITECTURAL ASSISTANTS. A.P.T., Grade IV. Salary scale, £480 to £525.

(d) TWO ASSISTANT QUANTITY SURVEYORS. A.P.T., Grade IV. Salary scale, £480 to £525.

(e) ONE ASSISTANT ENGINEER. A.P.T., Grade II. Salary scale, £420 to £465.

Applicants for (a) must be Associate Members of the Royal Institute of British Architects.

Preference will be given to applicants for (b) and (c) who are Associate Members of the Royal Institute of British Architects.

Good experience in design and construction of Public Buildings, e.g., Schools, Police Stations, Fire Stations, Small Holdings, etc., etc., will be an advantage.

Applicants for (e) must be capable of the proper inspection and reporting upon existing heating and H.W.S. installations, steam boilers, and services, and kitchen equipment, also of supervising repairs and replacements and should have practical experience of this work.

Experience of the maintenance of electrical installations is desirable.

All the appointments will be subject to the Council's Conditions of Service in force from time to time and to the provisions of the Local Government Superannuation Act, 1937, and any amendments thereof.

The selected candidates will be required to pass a medical examination.

Applications, giving full details of age, qualifications and experience, should be forwarded, together with copies of three testimonials, to reach the undersigned by Monday, 25th October, 1948.

Candidates must disclose in writing whether they are related to any member or senior official of the Council.

Canvassing members of the Council either directly or indirectly will disqualify.

R. O. HARRIS, F.R.I.B.A.,

County Architect.

Park Street, Taunton. 1962
8th October, 1948.

COUNTY BOROUGH OF WEST HAM. BOROUGH ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.

Applications are invited for the following positions on the establishment of the above Department.

(a) CHIEF ASSISTANT-TOWN PLANNING (£860 x £50-£1,000 p.a.).

Applicants should be A.R.I.B.A., A.M.T.P.I., and have had considerable experience in the redevelopment of war damaged and obsolete areas; examination of Development Applications; preparation of evidence for Public Inquiries; and Committee work.

The successful applicant will be required to take charge of the Town Planning Section of the Department.

(b) SENIOR ASSISTANT ARCHITECT—A.P.T., Grade VIII (£685 x £25-£760).

Applicants should be A.R.I.B.A., with considerable experience in Housing and Education Works.

(c) ASSISTANT ARCHITECT—A.P.T., Grade VI (£595 x £20 x £20 x £25-£660).

Applicants should be A.R.I.B.A. and have had experience in Housing or Education Works.

(d) ARCHITECTURAL ASSISTANTS—A.P.T., Grade II (£420 x £15-£465).

Applicants should be Students of the R.I.B.A. and have had at least two years' experience in an office.

(e) ARCHITECTURAL ASSISTANT—A.P.T., Grade I (£390 x £15-£435).

Applicants must be good draughtsmen with a sound knowledge of construction and at least two years' office experience.

(f) ADMINISTRATIVE CLERK—CLERICAL DIVISION (FEMALE) (£316 x £12-£352).

Applicants must be competent shorthand typists, and it would be an advantage to have had experience in an Architect's Office.

London allowance payable in respect of posts (b) to (f) inclusive.

Details of above appointments, together with application forms, which must be returned by 30th October, 1948, obtainable from the Borough Architect and Planning Officer, 70, West Ham Lane, E.15.

E. E. KING,

Town Clerk. 1963

Amended Advertisement.

GELLYGAER URBAN DISTRICT COUNCIL. ENGINEER, SURVEYOR AND ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of a ARCHITECTURAL ASSISTANT, at a salary in accordance with A.P.T. Division, Grade V (£520 per annum to £570 per annum).

Applicants must be Members of the R.I.B.A., and have experience of housing and other work of a Local Authority, including Building Quantities and Pricing; a knowledge of Town and Country Planning will be an advantage.

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

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

Applications, stating all relevant details, together with names and addresses of two persons to whom reference may be made, should be received by the undersigned not later than 28th October, 1948.

D. W. C. MORGAN,

Clerk.
Council Offices, Hengoed, Glam. 500
6th October, 1948.

AYR COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT.

Applications are invited for the following appointments in the County Planning Department, County Buildings, Ayr—

(a) DEPUTY COUNTY PLANNING OFFICER. Consolidated salary scale, £685 to £760 per annum (A.P.T. Division, Grade VIII, of J.I.C. National Scale). Preference will be given to applicants who possess at least one or more of the following qualifications:—University Degree in Civil Engineering or Architecture; A.M.I.C.E.; A.M.I.Mun.E.; A.R.I.C.S.; A.R.I.B.A.; A.M.T.P.I.

Applicants must also have a wide practical experience in the preparation of planning schemes for rural and populous areas, and should have a thorough knowledge of the administration of the various Acts and Orders dealing with Town Planning and Restriction of Ribbon Development.

(b) TWO DISTRICT PLANNING OFFICERS. Consolidated salary scale, £595 to £660 per annum (A.P.T. Division, Grade VI). Preference will be given to applicants who possess one or more of the qualifications mentioned in (a) above, and applicants should also have a sound, practical experience in planning work and in the operation of the relevant statutes. The persons appointed will be responsible for the collection of data and the preparation of planning proposals for defined areas in the County.

(c) TECHNICAL ASSISTANT (aged 21 or over). Applicants must have had some previous experience as a draughtsman, preferably in a Local Government office, and should be studying with a view to obtaining professional qualifications. If the successful candidate has passed the Intermediate examination of any of the professional institutions mentioned in (a) above, his salary will commence on the consolidated scale of £390 to £435 per annum (A.P.T., I), but if not he will be placed according to age on the consolidated scale of £205 to £360 per annum on the understanding that on passing the appropriate examination he will be immediately promoted to the higher scale mentioned.

(d) TECHNICAL ASSISTANT (aged 21 or over). Consolidated salary scale, £205 to £360 per annum, with placing within the scale according to age. Applicants must have had some previous experience as a draughtsman, preferably in a Local Government office.

All the above appointments are on the permanent staff of the County Council, and will be subject to the provisions of the Local Government Superannuation (Scotland) Act, 1937.

Forms of application and further particulars of each appointment may be obtained from the County Clerk, County Buildings, Ayr, with whom applications must be lodged not later than Tuesday, 2nd November, 1948. Intending applicants should clearly endorse their request for forms with a description of the post in which they are interested. Canvassing, directly or indirectly, will be a disqualification. 1999

BOROUGH OF DOVER. APPOINTMENT OF SENIOR ARCHITECT- TURAL ASSISTANT.

Applications are invited for the above appointment in the Borough Engineer and Surveyor's Department.

Salary in accordance with Grade A.P.T., III, of the National Scales, i.e., £450-£495 per annum.

Applicants must hold recognized architectural qualifications, and have experience in housing, Municipal building design, and general building construction.

The appointment, terminable by one month's notice on either side, is superannuable, and the successful candidate will be required to pass a medical examination.

Applications, accompanied by three recent testimonials, must be delivered to the Borough Engineer, Malson House, Dover, not later than Monday, 25th October, 1948.

The Corporation is prepared to make a grant not exceeding 50 per cent. of approved expenditure in connection with household removal expenses.

JAMES A. JOHNSON,

Town Clerk. 1994
Brook House, Dover.
5th October, 1948.

COUNTY BOROUGH OF STOCKPORT.

Applications are invited for the following position:—

GENERAL ARCHITECTURAL ASSISTANT. A.P.T., IV (£480-£525 per annum).

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

Applications, stating age, qualifications and experience, together with copies of two recent testimonials, must be delivered to the undersigned by 20th November, 1948.

Candidates must disclose in their application whether to their knowledge they are related to any member of the Council or to any senior official of the Corporation.

Canvassing, directly or indirectly, will be a disqualification.

WM. F. GARDNER, M.I.C.E.,
A.M.T.P.I.,

Borough Surveyor. 526
Town Hall, Stockport.

BOROUGH OF WATFORD. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF TEMPORARY ASSISTANT QUANTITY SURVEYOR.

Applications are invited for the above appointment, at an inclusive salary of £250 per annum. The appointment is temporary, but is expected to last two years.

Applicants should hold an appropriate professional qualification and be accustomed to the preparation of Bills of Quantities and Specifications, and the measuring up and settlement of accounts in connection with building work.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications must be made on the prescribed form, which can be obtained from the undersigned Town Hall, Watford, and must be returned to him not later than Friday, 29th October, 1948, endorsed "Temporary Assistant Quantity Surveyor."

F. C. SAGE, Assoc.M.Inst.C.E.,
M.I.Mun.E.,

Borough Engineer and Surveyor. 527
Town Hall, Watford.
October, 1948.

EBBW VALE URBAN DISTRICT COUNCIL. APPOINTMENT OF ARCHITECT.

Applications are invited from Registered Architects or other persons qualified under the Architects' Registration Act, 1938, for the appointment of Architect to the Council, at a salary of £800 per annum, plus war bonus (at present £59 16s. per annum).

The Council has decided to set up an Architect's Department separate from the Engineer and Surveyor's Department of the Council with the necessary staff, and the person appointed will be responsible for the whole of the Architectural work of the Council.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the Council's Conditions of Service from time to time in force and to the successful candidate residing within the Urban area, and will be terminable by three calendar months' notice in writing on either side. The successful candidate will be required to pass a medical examination.

Applications, endorsed "Architect," addressed to the undersigned and nominating the names of three persons who will act as referees for the candidate, must be delivered not later than the 30th day of October, 1948.

Canvassing, directly or indirectly, is prohibited, and candidates must disclose in writing whether to their knowledge they are related to any Member or Senior Officer of the Council.

Dated the 6th day of October, 1948.

R. E. HERBERT,

Clerk of the Council.
District Council Offices, The Walk,
Ebbw Vale, Mon. 524

NDOLA MUNICIPAL COUNCIL, NORTHERN RHODESIA.

Applications are invited for the following appointments:—

CIVIL ENGINEERING AND ARCHITECT- TURAL ASSISTANT.

Applicant must be Corporate Member of Institution of Civil Engineers, with survey and building design experience. Salary scale £655, rising to £1,140.

ASSISTANT ENGINEER.

Applicant must be Corporate Member of Institution of Electrical Engineers, capable of extending and operating distribution system to 11 K.V. Knowledge of 2,000 K.W. Water Plant an advantage. Salary scale £510, rising to £855.

SHIFT PLANT OPERATORS (ELECTRICAL).

Capable operating 750 to 2,000 K.W. generators. Wages scale 26s., rising to 30s. per shift, plus cost-of-living allowance.

SHIFT PLANT OPERATORS (WATER).

Capable operating water pumping and purification plant with gravity and pressure type filters. Wages scale as above.

FITTER-TURNER.

Trained in machine shop work and capable maintaining Petrol and Diesel Motors and Electrical Machinery. Salary scale £290, rising to £715.

Age limit all posts 35 years.

For further particulars apply not later than 25th October to The Commissioner for Northern Rhodesia, 57, Haymarket, London, S.W.1. 525

**METROPOLITAN BOROUGH OF
PADDINGTON
HOUSING DEPARTMENT.**

Applications are invited for the following appointments on the permanent establishment of the Housing Department (which also deals with all the Council's building work).

(a) **ASSISTANT ARCHITECT.** A.P.T., Grade V and VI, salary £520-£560 per annum, plus London weighting, commencing at a point within the grades commensurate with experience and qualifications.

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

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

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

London weighting allowance is payable in both cases, in addition to the basic salaries, at the following rates:—

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

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

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

Applications for both appointments, stating age, qualifications, present and previous appointments with salaries, and experience, together with copies of three recent testimonials, clearly indicating the appointment for which application is being made, are to be delivered to the undersigned by first post on Monday, 1st November, 1948.

Canvassing, directly or indirectly, will be disallowed.

W. H. BENTLEY,

Town Clerk.
Town Hall, Paddington, London, W.2.
8th October, 1948. 512

**BIRMINGHAM REGIONAL HOSPITAL
BOARD.**

Applications are invited for the post of **SENIOR QUANTITY SURVEYOR**, on the Headquarters Staff of the Board. Candidates must be qualified Quantity Surveyors, possessing considerable experience, and capable of preparing Estimates, Bills of Materials, and checking final accounts. Salary in accordance with the Grade VIII of the A.P.T., i.e., £485 per annum, by annual increments of £25 to £760, subject to the National Health Service Superannuation Regulations. The appointment will be terminable by one month's notice, in writing, by either side. Applications, stating age, qualifications and experience, and giving the names of three referees, should be sent to the Secretary to the Board, No. 10, Augustus Road, Edgbaston, Birmingham, as to reach him not later than 30th October, 1948. 1981

MINISTRY OF WORKS.

DIRECTORATE GENERAL OF WORKS.

Applications are invited for filling vacancies in the following grade:—

ARCHITECTURAL DRAUGHTSMEN, having had a full period of recognized training and experience in the preparation of drawings for good class building work. The work is varied and not confined to standard schemes. Starting pay will be assessed according to age, qualifications and experience within a scale rising to £495 per annum.

Vacancies are at Tunbridge Wells Office of the Ministry, but applicants may state a preference for appointments in London or elsewhere in the country.

Applications, stating age, present and previous appointments, training, qualifications, etc., should be sent to the Principal Officer, Ministry of Works, Government Buildings, Hawkenbury, Tunbridge Wells, Kent. 520

**COUNTY BOROUGH OF DEWSBURY.
BOROUGH ARCHITECT AND BUILDINGS
SURVEYOR'S DEPARTMENT.**

Applications are invited for the following appointments in the Education Section of the Borough Architect and Buildings Surveyor's Department:—

TWO ARCHITECTURAL ASSISTANTS. Grade A.P.T., V. Salary £520-£570 per annum.
ONE ARCHITECTURAL ASSISTANT. Grade A.P.T., IV. Salary £480-£525 per annum.
ONE QUANTITY SURVEYOR. Grade A.P.T., V. Salary £520-£570 per annum.

Conditions of appointments obtainable from the Borough Architect and Buildings Surveyor, Town Hall, Dewsbury, on application.

Applications, stating age, qualifications, experience, etc., accompanied by copies of three recent testimonials, should be received by me not later than Monday, 25th October, 1948, in envelopes suitably endorsed.

A. NORMAN JAMES.

Town Clerk.
Town Hall, Dewsbury.
5th October, 1948. 1993

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

Applications are invited for the under-mentioned appointments on the permanent staff. Conditions of service and salaries are in accordance with the National Joint Council Scheme for Local Authorities, as adopted by the County Council.

(a) **SENIOR ASSISTANT ARCHITECT.** Grade VI. Salary £595-£660.

(b) **ASSISTANT ARCHITECT.** Grade IV. Salary £480-£525.

Applicants for (a) and (b) must possess an appropriate professional qualification, and should have had experience in the design and construction of modern buildings.

(c) **JUNIOR ASSISTANT ARCHITECT.** Grade II. Salary £420-£465.

(d) **ARCHITECTURAL ASSISTANT.** Miscellaneous Division (Grade I). Salary £315-£360.

Applicants for (c) and (d) should have had a good general architectural experience.

QUANTITY SURVEYORS:

(e) Grade VII. Salary £635-£710.

(f) Grade VI. Salary £595-£660.

(g) Grade V. Salary £520-£570.

Applicants for (e), (f) and (g) must possess an appropriate professional qualification, and have had experience in the preparation of estimates, "taking-off" quantities for all trades, measuring up and preparing final accounts.

ASSISTANT QUANTITY SURVEYORS:

(h) Grade IV. Salary £480-£525.

(i) Grade III. Salary £450-£495.

(j) Grade I. Salary £390-£435.

Applicants for (h), (i) and (j) should have had experience in assisting with "taking-off" and "working up."

Canvassing of members of the Council, directly or indirectly, will be a disqualification for appointment.

The Council is not able to assist successful applicants in the provision of housing accommodation.

Applications to be made on a form to be obtained from the undersigned, to whom it must be returned, accompanied by copies of three recent testimonials, by 27th October, 1948.

Envelopes and applications must be endorsed, stating clearly the vacancy for which the application is made.

F. HAMER CROSSLEY, Dipl. Arch.

A.R.I.B.A.,

County Architect.

14th October, 1948.

**ORPINGTON URBAN DISTRICT COUNCIL.
APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT (A.P.T., GRADE VI).**

The above-named Council invite applications for the establishment of appointment of Senior Architectural Assistant (A.P.T., Grade VI), in the Engineer and Surveyor's Department.

Applicants should preferably be Members of the Royal Institute of British Architects and must have had experience in the design of houses, preparation of plans and working drawings, specifications and quantities.

Salary in accordance with Grade VI of the A.P.T. Division of the National Salary Scales (consolidated) £595 per annum, rising, subject to satisfactory service, by two annual increments of £20 each, and one of £25, to a maximum of £660 per annum, plus London area weighting (at present £20 per annum).

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

Applications, which must be completed by reference to the particulars and conditions of appointment to be obtained from me, should be received by me not later than 28th October, 1948.

By the Council's direction, canvassing will be a disqualification.

STEPHEN KING.

Clerk and Solicitor.

Council Offices, Orpington, Kent. 1990

4th October, 1948.

**COUNTY OF ESSEX.
ILFORD COMMITTEE FOR EDUCATION.**

The Essex County Council invite applications for an **ARCHITECTURAL ASSISTANT**, to work in the office of the Borough Engineer of Ilford, to deal with work for the Committee for Education.

Applicants should have had good general training and experience.

The salary will be in accordance with the provisions of the National Joint Council, A.P.T. Division, Grade III (salary scale £480-£515 to £525, which includes the London area allowance).

There will also be paid such travelling and subsistence allowances as may from time to time be determined by the Council.

In fixing the commencing salary, regard will be had to the qualifications and experience of the successful candidate.

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

The successful applicant 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 Borough Education Officer, and returned to him at the Town Hall, Ilford, together with copies of not more than three recent testimonials, within fourteen days of the appearance of this advertisement. Candidates who have already submitted forms need not re-apply.

Canvassing, either directly or indirectly, is forbidden. 1992

NATIONAL COAL BOARD.

Applications are invited for the following appointments:—

ARCHITECTURAL ASSISTANTS. Grades II(a) and II(b), in Newcastle, Nottingham and Cardiff.

Salary, Grade II(a) (men) up to £505; (women) up to £407. Grade II(b) (men) up to £403; (women) up to £354 per annum, according to qualifications and experience.

Applicants should be able to prepare sketch plans and working drawings from rough sketches and have a good knowledge of construction. Preference will be given to applicants who have passed the Intermediate examination of the R.I.B.A. (Ref. TT/91).

QUANTITY SURVEYORS, for London Headquarters.

Salary up to £1,005 per annum, according to qualifications and experience.

Applicants should be Corporate Members of the R.I.C.S. (Quantities Section), and be experienced in the preparation of bills of quantities in all trades and engineering work, detailed approximate estimates, settlement of final accounts, etc., and have had considerable experience in a Quantity Surveyor's Office (Ref. TT/92).

ASSISTANT QUANTITY SURVEYORS for London Headquarters, Edinburgh, Newcastle-on-Tyne, Sheffield, Nottingham and Cardiff.

Salary up to £725 per annum (plus allowance for London only), according to qualifications and experience.

Applicants should be Professional Associates of the R.I.C.S. (Quantities Section), and be able to prepare bills of quantities, approximate estimates, measure works on site, prepare and settle final accounts, make valuations and measurements for interim certificates and to prepare specifications (Ref. TT/93).

QUANTITY SURVEYORS ASSISTANTS. Grades I and II, for Edinburgh, Newcastle-on-Tyne, Sheffield, Nottingham and Cardiff.

Salary, Grade I, up to £575; Grade II, up to £418 per annum, according to qualifications and experience.

Applicants "should be fully experienced workers up" and/or able to prepare estimates of small works, take measurements on site, and must be familiar with requirements under the various building controls (Ref. TT/94).

Applications, giving age, education, qualifications and experience, with dates in chronological order, should be made as soon as possible to National Coal Board, Establishments (General) Branch, Hobart House, Grosvenor Place, London, S.W.1, marking envelope with relevant TT reference number quoted above. Separate applications required for each vacancy. Original testimonials should not be forwarded. Final closing date, 22nd November, 1948. 509

BOROUGH OF BARNES.

APPOINTMENT OF TEMPORARY ARCHITECTURAL ASSISTANT (GRADE II).

Applications are invited for the above appointment in the Borough Engineer and Surveyor's Department, at a commencing salary of £420, rising by annual increments to a maximum of £465 per annum, plus London weighting.

Applicants should be good draughtsmen and be capable of preparing plans and details for general architectural work. Preference will be given to applicants having an architectural qualification. The Council are unable to make any provision of housing accommodation for the successful applicant.

Applications, together with the names of three persons to whom reference can be made, should be submitted to the undersigned not later than Saturday, 23rd October, 1948.

W. R. SHEPHERD, A.M.I.C.E.,

A.R.I.C.S.,

Borough Engineer and Surveyor.

Municipal Offices, Sheen Lane, S.W.14. 1948

HUDDERSFIELD TECHNICAL COLLEGE.

Principal: Dr. W. E. Scott, M.B.E.

Applications are invited for the post of **LECTURER** in the Department of Building. Candidates should hold the A.R.I.B.A. or equivalent qualification.

Duties will commence as soon as possible. Salary in accordance with the Barnham Technical Scale. The post may carry a responsibility allowance for a suitably qualified candidate.

Application forms may be obtained from the Principal to whom they should be returned as soon as possible.

H. KAY,

Director of Education.

1988

Available only to persons excepted from the Control of Engagements Order, 1947, No. 2021.

BOROUGH OF DAGENHAM.

**CHIEF HEATING AND ELECTRICAL
ENGINEERING ASSISTANT.**

The Council invite applications for this technical appointment on the staff of the Borough Engineer and Surveyor, Grade V, £520-£570 p.a., plus London weighting, from members (by examination) of either (preferably both) the Inst. of Heating and Ventilating Engineers or the Inst. of Electrical Engineers. To supervise and/or advise on all heating, ventilating and electrical work carried out by or for the Council. Application forms and full particulars are obtainable from the Borough Engineer. Closing date 23rd October, 1948. Canvassing disqualifies. The Council are unable to offer housing accommodation.

KEITH LAUDER,

Town Clerk.

Civic Centre, Dagenham. 1996

HARROW URBAN DISTRICT COUNCIL. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant (Grade A.P.T. IV, Salary scale £240-£255, plus London weighting) in the Department of the Engineer and Surveyor. Candidates should have had sound experience in architectural work generally and particularly housing. Duties will include the preparation of sketch designs, working drawings and specifications, and supervision of work under construction. Preference will be given to candidates holding recognized professional qualifications. The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937; to the passing of a medical examination, and to the National Joint Council Scheme of Conditions of Service.

The Council is unable to offer any assistance in obtaining housing accommodation for the successful applicant. Forms of application can be obtained from the undersigned, to whom they should be returned not later than Saturday, 30th October, 1948.

H. W. LILLS,

Clerk of the Council.

Council Offices, Harrow Weald Lodge, Harrow Weald. 1987

BEDFORDSHIRE COUNTY COUNCIL. ARCHITECTURAL DEPARTMENT.

Applications are invited for the following posts:—

(a) ASSISTANT QUANTITY SURVEYORS (A.P.T. V, £520-£570 per annum). Applicants should be Associates of the Royal Institute of Chartered Surveyors.

(b) ASSISTANT ARCHITECTS (A.P.T. I, £390-£435, and A.P.T. II, £420-£465 per annum). Applicants should be up to Intermediate standard of the R.I.B.A.

These appointments are subject to the Local Government Superannuation Act, 1937, and to the Scheme of Conditions of Service of the National Joint Council.

Applications, on forms to be obtained from the County Architect, Shire Hall, Bedford, should be delivered to the undersigned not later than 1st October, 1948.

J. B. GRAHAM,

Clerk of the County Council.

Shire Hall, Bedford. 1986

CITY OF NOTTINGHAM. CITY ENGINEER'S DEPARTMENT.

Applications are invited for the post of ARCHITECTURAL ASSISTANT, at a salary of £200 per annum.

Candidates must be Members of the Royal Institute of British Architects, and have considerable experience in the design of Schools and Health Committee work.

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

Applications to be made on forms obtainable from R. M. Finch, O.B.E., M.I.C.E., City Engineer and Surveyor, Guildhall, Nottingham, to whom applications should be returned, together with copies of three recent testimonials, not later than 25th October, 1948.

J. E. RICHARDS,

Town Clerk.

The Guildhall, Nottingham. 1985

BIRMINGHAM REGIONAL HOSPITAL BOARD.

Applications are invited for the post of PRINCIPAL ASSISTANT ARCHITECT, on the Headquarters Staff of the Board. Candidates must be registered Architects and have recognized architectural qualifications, and must have had considerable experience in Hospital design, possess administrative ability and be capable of deputising for the Regional Architect. Salary £200 per annum by annual increments of £30 to £250 per annum, subject to the National Health Service Superannuation Regulations. The appointment will be terminable by one month's notice, in writing, by either side. Applications, stating age, qualifications and experience, and giving the names of three referees, should be sent to the Secretary to the Board, No. 10, Augustus Road, Edgbaston, Birmingham, so as to reach him not later than 30th October, 1948. 1982

BOROUGH OF JARROW. BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT (GRADE III).

The salary will be in accordance with Grade III, A.P.T. Division, £450-£495. The successful applicant will be required to pass a medical examination by the Council's Medical Officer.

Applications, endorsed "Architectural Assistant," stating age, present and previous appointments and experience, together with the names and addresses of three referees, to be received by the undersigned by 1st November, 1948.

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

CHARLES S. PERKINS,

Town Clerk.

Town Hall, Jarrow. 2000

CITY OF PETERBOROUGH. CITY ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the appointment of a SENIOR ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade V, A.P.T., i.e., £520, rising to £570 per annum.

Applicants must be Registered Architects and preferably members of the R.I.B.A., and should be capable of carrying out work under the minimum of supervision. Experience in the design and construction of modern schools will be considered an advantage.

The City Council have adopted the National Scheme of Conditions of Service. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination. Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials, and endorsed "Architectural Assistant, Grade V," must be delivered to the undersigned not later than 5th November, 1948.

Applicants must disclose whether they are related to any Senior Official or Member of the Authority. Canvassing, either directly or indirectly, will be deemed a disqualification.

ARTHUR J. REEVES,

Town Clerk.

Town Hall, Peterborough. 515

October, 1948.

LANCASHIRE COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.

Applications are invited for permanent appointments in the undermentioned Divisional Offices of the County Planning Department:—

Preston.—One vacancy in A.P.T., Grade VI (salary £595-£660 per annum).

Accrington.—One vacancy in A.P.T., Grade IV (salary £480-£525 per annum).

Bury.—One vacancy in A.P.T., Grade IV.

Manchester.—One vacancy in A.P.T., Grade VI, and one vacancy in A.P.T., Grade IV.

Applicants should state whether they wish to be considered for more than one vacancy.

Previous planning experience is not essential, but candidates should have been trained in the office of an Engineer, Architect or Surveyor, and possess experience in their particular profession to a standard suitable to the grade for which they apply. They should possess one or more of the following qualifications:—A University Degree in Civil Engineering or Architecture, A.M.T.P.I., A.M.I.C.E., A.R.I.B.A., A.M.I.Mun.E., P.A.S.T.I., etc.

Preference will be given to candidates for the appointments in A.P.T., Grade VI, who have a good general experience in the preparation of Town and Country Planning Schemes and the administration of relevant Acts and Orders.

The appointments will be subject to the National Joint Council's Scheme of Conditions of Service and to the Local Government Superannuation Act, 1937. Testimonials are not required, but applicants should give the names of two persons to whom reference may be made.

Applications, stating age, qualifications, experience and present salary, should be received by the undersigned not later than Saturday, 30th October, 1948.

R. H. ADCOCK,

Clerk of the County Council.

County Offices, Preston. 514

9th October, 1948.

COUNTY BOROUGH OF BARROW-IN-FURNESS.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments:—

(a) SENIOR ASSISTANT ARCHITECT. Grade VI, £595-£660 per annum.

Candidates must be Associates of the R.I.B.A., and have had considerable experience on housing, schools and general Municipal buildings.

(b) ASSISTANT ARCHITECTS (TWO). Grade Va, £560-£610 per annum.

Candidates must be Registered Architects, preferably A.R.I.B.A., and should have had experience on housing, schools, and general Municipal buildings.

(c) ASSISTANT ARCHITECT. Grade I, £390-£435.

Candidates should be good draughtsmen, with some experience of design.

(d) QUANTITY SURVEYOR. Grade Va, £560-£610.

Candidates must possess a recognized professional qualification, and be competent to prepare quantities, specifications, estimates, and schedules for housing, schools, and general Municipal buildings.

The Council has accepted the principle of providing housing accommodation for posts (a), (b) and (d).

The appointments will be subject to (1) The National Scheme of Conditions of Service; (2) the provisions of the Local Government Superannuation Act, 1937; (3) termination by one month's notice on either side; (4) the successful candidate passing a medical examination; and (5) becoming a member of the appropriate Trade Union.

Forms of application may be obtained from the Borough Engineer and Surveyor, Town Hall, and must be completed and returned to him not later than Saturday, 30th October, 1948.

No candidate summoned for interview who is not prepared to accept the position without qualification, whether it be offered to him or not, will be paid his expenses.

W. LAWRENCE ALLEN,

Town Clerk.

513

October, 1948.

COUNTY BOROUGH OF GREAT YARMOUTH. BOROUGH ENGINEER'S DEPARTMENT. APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments:—

(a) SENIOR ASSISTANT ARCHITECT (Permanent), at a salary in accordance with Grade V of the National Scale of Conditions of Service, commencing at £520 per annum, rising to a maximum of £570 per annum.

Applicants should be Associates of the Royal Institute of British Architects, and should have had experience in design and construction, particularly in relation to housing, schools and public buildings.

(b) GENERAL ASSISTANT ARCHITECT (Permanent), at a salary in accordance with Grade III of the National Scale of Conditions of Service (£450-£495 per annum), the commencing salary to be in accordance with ability and experience.

Applicants should have had a thorough technical training, and preference will be given to candidates who have passed the Intermediate examination of the Royal Institute of British Architects.

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, and to the passing of a medical examination.

Applications, stating age, qualifications and experience, together with copies of three testimonials, should be enclosed in an envelope endorsed "Senior or General Assistant Architect," as the case may be, and must reach the undersigned not later than Friday, the 29th October, 1948.

Canvassing, directly or indirectly, will be deemed a disqualification, and candidates must disclose in writing whether, to their knowledge, they are related to any member of, or 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. 523

8th October, 1948.

ROTHWELL URBAN DISTRICT COUNCIL. APPOINTMENT OF TEMPORARY ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of temporary Architectural Assistant, in A.P.T., Grade II, of the National Scale of Salaries (£420-£450). Preference will be given to applicants who have had practical experience in housing and general architectural work, and who are at present studying for the qualifying examinations of the Royal Institute of British Architects.

Applications, stating age, present and previous appointments, qualifications, and experience, together with copies of three recent testimonials, must reach the undersigned not later than Tuesday, 2nd November, 1948.

A. T. S. ROBERTSON,

Clerk of the Council.

Civic Buildings, Rothwell, near Leeds. 501

EAST SUSSEX COUNTY COUNCIL.

Applications are invited from qualified persons, who must be Fellows or Associates of the R.I.B.A., for the whole-time appointment of COUNTY ARCHITECT, at a salary of £1,400 per annum, rising by annual increments of £50 to £1,600 per annum. Travelling and subsistence allowances will be payable in accordance with the Council's scales.

The person appointed will be responsible for all the Council's architectural work, including education, police, fire and health services, together with the upkeep and maintenance of county-owned properties, and must be experienced in the administration of an Architect's Department.

The appointment will be terminable by three months' notice in writing on either side, and will be superannuable. A candidate to be successful must pass a medical examination.

Canvassing, either directly or indirectly, will be a disqualification, and relationship to members or senior officers of the Council must be disclosed.

Applications, stating age, qualifications and experience, together with the names of two persons to whom reference may be made, must be received by the undersigned not later than the 30th October, 1948.

H. S. MARTIN,

Clerk of the County Council.

County Hall, Lewes. 511

6th October, 1948.

CANNOCK RURAL DISTRICT COUNCIL. APPOINTMENT OF ARCHITECTURAL ASSISTANT (TEMPORARY).

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

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

Applications, stating age, qualifications, experience, etc., endorsed "Architectural Assistant," and accompanied by copies of two recent testimonials, must reach the undersigned not later than Saturday, the 30th October, 1948.

JOHN P. ROBERTS,

Clerk to the Council.

Council Offices, Penkridge, Stafford. 530

8th October, 1948.

CAERNARVONSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for two permanent appointments of ARCHITECTURAL ASSISTANTS, in the County Architect's Department, at salaries in accordance with A.P.T., Grade I (£390-£435 per annum), of the National Scheme of Conditions of Service (Consolidated).

Applications should be sent to the undersigned (from whom particulars and forms of application may be obtained) by not later than 30th October, 1948.

GWILYM T. JONES.

Clerk of the County Council.

County Offices, Caernarvon.

6th October, 1948.

502

COUNTY BOROUGH OF TYNEMOUTH.
BOROUGH SURVEYOR'S DEPARTMENT.
STAFF.

Applications are invited for the following appointments:

(a) SENIOR ARCHITECTURAL ASSISTANT. Grade VI, £595-£660.

Applicants should be Associates of the R.I.B.A. and have had good general architectural experience, particularly Housing, experience in the design of Hospital and School Buildings will be an advantage, and some administrative experience is desirable.

(b) CHIEF QUANTITY SURVEYOR. Grade VI, £595-£660.

Applicants should be Associates of R.I.C.S. with experience in preparation of Bills of Quantities for Housing, Schools, and other public Buildings, and settlement of Final Accounts.

(c) TEMPORARY JUNIOR ARCHITECTURAL ASSISTANT. Grade I, £390-£435.

Preference will be given to candidates who have passed some part of their R.I.B.A. examination.

HOUSING ACCOMMODATION.

The Corporation will be prepared to assist in the provision of housing accommodation in cases of difficulty.

Applications, on forms to be obtained from the Borough Surveyor, Mr. D. M. O'Herlihy, B.Sc.(Eng.), M.I.C.E., Howard Street, North Shields, together with copies of not more than three recent testimonials, should be addressed to the Borough Surveyor, to arrive by 30th day of October, 1948.

All appointments are subject to the National Scheme of Conditions of Service, the Local Government Superannuation Act, 1937, a medical examination, and one month's notice on either side.

Canvassing, either directly or indirectly, will disqualify, and applicants must state whether or not to their knowledge they are related to any member of the Council or to a holder of any senior office under the Council.

Dated this 11th day of October, 1948.

FRED. G. EGNER.

Town Clerk.

14, Northumberland Square, North Shields 529

ESSEX COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.

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

(a) THREE SENIOR PLANNING ASSISTANTS, at salaries not exceeding the maximum for Grade VI, A.P.T.D. (£660 per annum).

(b) PLANNING ASSISTANT, at a salary not exceeding the maximum for Grade IV, A.P.T.D. (£525 per annum).

(c) THREE PLANNING ASSISTANTS, at salaries not exceeding the maximum for Grade III, A.P.T.D. (£495 per annum).

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

(e) DRAUGHTSMAN, at a salary not exceeding the maximum for Miscellaneous Division, I (£360 per annum).

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

Candidates for posts (a) must be Corporate Members of the Town Planning Institute, and the possession of an additional professional qualification in Architecture, Engineering or Surveying will be an advantage. Candidates should have had previous planning experience in a county planning department.

Candidates for posts (b), (c) and (d) should have passed the Intermediate examination of the Town Planning Institute or some other recognized professional institution, and have had good general experience in a planning office with regard to development control and basic surveying.

Candidates for post (e) should be neat and expeditious draughtsmen and able to colour efficiently. Previous experience with a planning authority will be an advantage.

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

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

Canvassing, directly or indirectly, will disqualify.

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

JOHN E. LIGHTBURN.

Clerk of the County Council.

County Hall, Chelmsford.

8th October, 1948.

528

Partnerships and Financial

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

ARCHITECT (A.A.Dip., A.R.I.B.A.), aged 29, few years' experience, and capital, would like to join Firm as Partner or buy Practice; London preferred. Box 506.

Architectural Appointments Vacant

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

ARCHITECTURAL ASSISTANTS required immediately; salary according to qualifications and experience. Johns & Slater, F/A.R.I.B.A., 8, Lower Brook Street, Ipswich, 1819

ARCHITECTURAL ASSISTANT required; preferably experienced in the design, alteration and maintenance of industrial buildings, and capable of preparing surveys, working drawings, details and specifications; knowledge of quantities an advantage; the appointment would be permanent and pensionable. Applications, stating age, experience, qualifications and salary required, should be sent to the Staff Controller, The Gas Light & Coke Co., 30, Kensington Church Street, W.8. 1835

ARCHITECTURAL ASSISTANT required (Qualified) for General Practice—Surveys, Working Drawings and Specifications. Write, stating age, previous experience and salary required. Henry C. Smart & Partners, L.R.I.B.A., 120, Moorgate, London, E.C.2. 1943

ARCHITECT'S CHIEF ASSISTANT required; varied practice; Manchester district; permanency; view to partnership. Box 1968.

TO QUANTITY SURVEYOR ASSISTANTS.—TAKER-OFF required in S.E. provincial office; JUNIOR also considered. Box 1956.

TRUMAN'S BREWERY require ASSISTANT SURVEYOR; age 25-35; salary at 30 would be £600; position holds a future for the right man. Reply to Truman's Brewery, Brick Lane, E.1. 1954

ASSISTANT ARCHITECT required in busy General Practice. Reply, stating age, qualifications, experience, and salary required. Johnson & Crabtree, F/A.R.I.B.A., 20, Priory Place, Doncaster. Tel. 3445. 1953

QUANTITY SURVEYORS required for site measurements on large power stations in South and West Coast areas. Write, stating age, experience, and salary, to L. G. Mouchel & Partners, Ltd., Civil Engineers, 38, Victoria Street, S.W.1. 1978

ARCHITECTURAL ASSISTANT required by Glasgow Architects. Reply, stating age, qualifications, experience, and salary required. Lancelot H. Ross & Partner, 79, West Regent Street, Glasgow. 1997

SENIOR ARCHITECTURAL ASSISTANTS required for general Architectural Practice. Reply, giving experience and salary required, to Thomas Worthington & Sons, 178, Oxford Road, Manchester, 13. 505

ARCHITECTURAL ASSISTANTS.—Experienced SENIOR and JUNIOR ASSISTANTS required for busy South Wales office, dealing with University, Public Building, Hospital, Industrial work, etc. Apply, giving full particulars of experience, salary required, etc., to Sir Percy Thomas & Son, 10, Cathedral Road, Cardiff. 503

CLERK OF WORKS.—Applications are invited for the appointment of CLERK OF WORKS for University Buildings in North Wales. Applications, stating age, salary required, trade and experience as Clerk of Works, accompanied by copies of two recent testimonials from Architects, to be forwarded to Sir Percy Thomas & Son, 10, Cathedral Road, Cardiff. 504

ASSISTANT required; Inter. R.I.B.A. Poulton & Freeman, 96, Dorset House, Gloucester Place, N.W.1. 'Phone WEL. 8898. 1998

ARCHITECTURAL ASSISTANT required; experienced in Housing and general practice. Write, stating age, experience and salary required, H. M. Barker, L.R.I.B.A., 15, King Street, Deal, Kent. 522

ANGLO-IRANIAN OIL COMPANY require an ASSISTANT for work in London in connection with office work relating to Architects' Drawings, provision of financial estimates, control of Material Lists and correspondence relating thereto, including Programme of work on large construction schemes; should have at least 5 years' builders' experience with an all round knowledge of builders' construction and materials, a good working knowledge of architects' drawings, and be able to take off simple quantities and to programme work; age 25/35; salary according to qualifications and experience. Applicants, who are in possession of at least Matriculation, should reply, quoting Dept. H.862, to Box 5363, at 191, Gresham House, E.C.2, stating age, experience, etc. 517

PLYMOUTH.—Chartered Architects, old-established local firm, have vacancy for an ARCHITECTURAL AND SURVEYING ASSISTANT, with ability to act on own initiative and take some degree of responsibility. Full particulars, including experience, salary required, to Box 519.

QUANTITY SURVEYOR required by Consulting Civil Engineers for Civil Engineering and Building Work for new electricity generating stations; candidates need not hold a professional qualification, but should be well versed in taking off and billing all descriptions of civil engineering and building work, including steelwork and reinforced concrete; salary in accordance with qualifications up to £700 per annum; superannuation scheme in operation. Full details required with first application to C. S. Elliott & Son, 1, North Parade, St. Mary's Parsonage, Manchester, 3. 518

ANGLO-IRANIAN OIL COMPANY require an ASSISTANT ARCHITECT for work in London, in connection with the design of selected buildings and to assist in the administration of the Buildings Section; wartime experience in the East in the Army would be an asset; age 25/35; salary according to qualifications and experience. Applicants, who must be Associates of the Royal Institute of British Architects, should reply, quoting Dept. H.865, to Box 5373, at 191, Gresham House, E.C.2, stating experience, etc. 515

Architectural Appointments Wanted

YOUNG MAN, released from Forces, requires an opening in an Architect's office; he has some drawing board experience and a fair sketching ability, and with opportunity would work devotedly; preferential wish for London or S.E. areas. Box 191.

ARCHITECTURAL ASSISTANT; 7 years' experience, L.C.C., local government, and private offices; housing and schools; 3rd year Building Construction. Box 192.

MANCHESTER DISTRICT.—SENIOR ARCHITECTURAL ASSISTANT desires change; 10 years' varied experience in commercial, industrial, domestic, housing (large flat development schemes), licensed premises, chemical process buildings, etc.; capable of taking off quantities, valuations, surveys, etc.; familiar with obtaining licences and getting jobs built under difficulties; prepared to work hard, uninitiated, and carry jobs through from instructions to final accounts; present salary £610 per year. Box 193.

CHARTERED ARCHITECT, fully experienced, requires progressive position in the London area. Box 194.

Other Appointments Vacant

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MANAGER AND SECRETARY for an old-established and well-known firm of Building Specialists required; to have knowledge of Building and Concrete Construction, Accountancy, Secretarial duties, Correspondence; good disciplinarian and reliable; only those applications fulfilling these requirements will be considered. Write fully to Box 291, Allardyce Palmer, Ltd., 109, Kingsway, W.C.2. 1937

TECHNICAL SALES REPRESENTATIVE required, resident London, Leeds, or Manchester area; specialists in industrial ventilation and canopy work; able to measure up and produce plans; salary, expenses and commission; excellent prospects. Full particulars first instance to Box 1983.

EFFICIENT SHORTHAND TYPIST, on confidential work, required by London firm of Architects and Consulting Engineers; some secretarial duties; apply in own handwriting, stating age, experience, and salary. Box 521.

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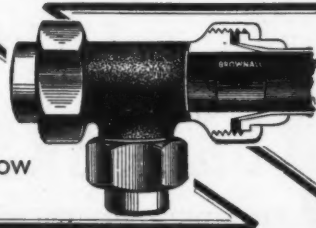
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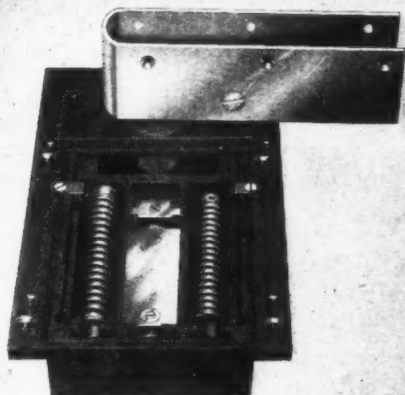
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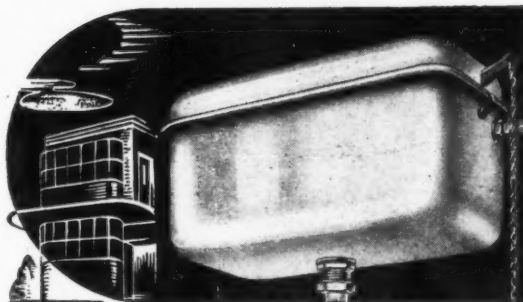
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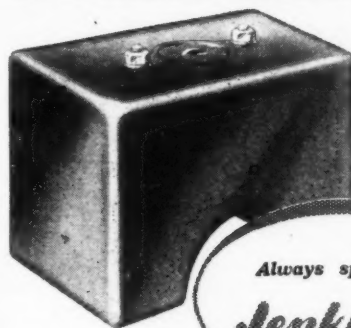
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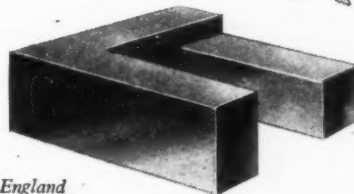


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 DRN. BY *h.w.*
 PASSED BY *h.w.*
 DESIGNED BY *h.w.*

35'0"

20'0"

THESE MEMBERS ARE FOR SHEETING PURPOSES

SEA WALL

ICAL SECTION

15'0"

22'

25'4 1/2"

23'0"

1'0"

KEY PLAN. NOT TO SCALE

RAY LINE

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on the
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