

# THE ARCHITECTS' JOURNAL



## standard contents

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

## NEWS and COMMENT

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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
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IR	Institute of Refrigeration. Empire House, St. Martin's-le-Grand, E.C.1.	Monarch 7391
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3891
MARS	MARS Group (English Branch of CIAM). 46, Sheffield Terrace, W.8.	Park 7678
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Whitehall 3400
MOE	Ministry of Education. Belgrave Square, S.W.1.	Sloane 4522
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 4300
MOLNS	Ministry of Labour and National Service. St. James's Square, S.W.1.	Whitehall 6200
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Gerrard 6933
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Abbey 7711
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Whitehall 8411
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Reliance 7611
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 1010
NAS	National Association of Shopfitters. 9, Victoria Street, S.W.1.	Abbey 5277/8
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 8161
NCBMP	National Council of Building Material Producers. 2, Caxton Street, S.W.1.	Abbey 5111
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives, Federal House, Cedars Road, Clapham, S.W.4.	Macaulay 4451
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NHBRC	National House Builders Registration Council. 82, New Cavendish Street, W.1.	Langham 4041
NPL	National Physical Laboratory. Head Office, Teddington.	Molesey 1380
NRIAD	National Register of Industrial Art Designers. National Gallery, Trafalgar Square, W.C.2.	Whitehall 2415
NSAS	National Smoke Abatement Society. Chandos House, Buckingham Gate, S.W.1.	Abbey 1359
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
PWB	Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.1.	Reliance 7611
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1.	Whitehall 9936
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh.	Edinburgh 20396
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
RICS	Royal Institution of Chartered Surveyors. 12, Great George St., S.W.1.	Whitehall 5322
RFAC	Royal Fine Art Commission. 22A, Queen Anne's Gate, S.W.1.	Whitehall 3935
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 3335
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
RSI	Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1.	Sloane 5134
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.19.	Wimbledon 5101
SBPM	Society of British Paint Manufacturers. 20, Piccadilly, London, W.1.	Regent 6347
SCR	Society for Cultural Relations with the USSR. 98, Gower Street, W.C.1.	Euston 6272/3
SE	Society of Engineers. 17, Victoria Street, Westminster, S.W.1.	Abbey 7244
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Chancery 5313
SIA	Structural Insulation Association. 14, Moorgate, London, E.C.2.	Central 4444
SIA	Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.1.	Metropolitan 8344
SNTPC	Scottish National Town Planning Council. 11, Drumsheugh Gardens, Edinburgh, 3.	
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6146 (3 lines)
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815
TTF	Timber Trades Federation. 81, Cannon Street, E.C.4.	City 1476
WDC	War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.	Mayfair 8866
WEDA	Welfare Equipment Development Association. 61, St. Paul's Churchyard, E.C.4.	City 4263/4
ZDA	Zinc Development Association. Lincoln House, Turl Street, Oxford.	Oxford 47988

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[Vol. 108

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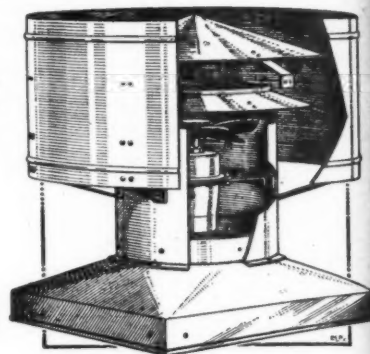
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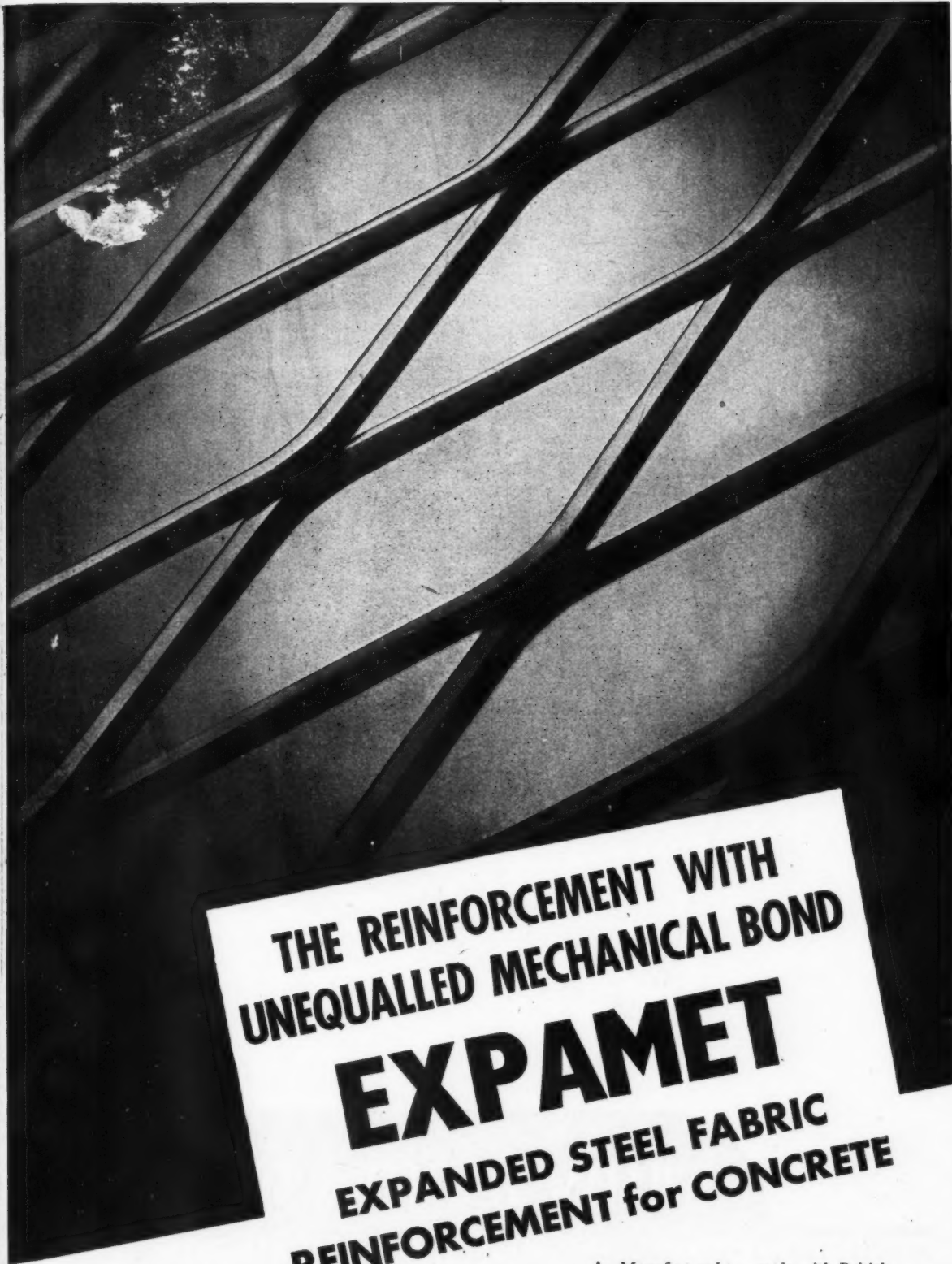
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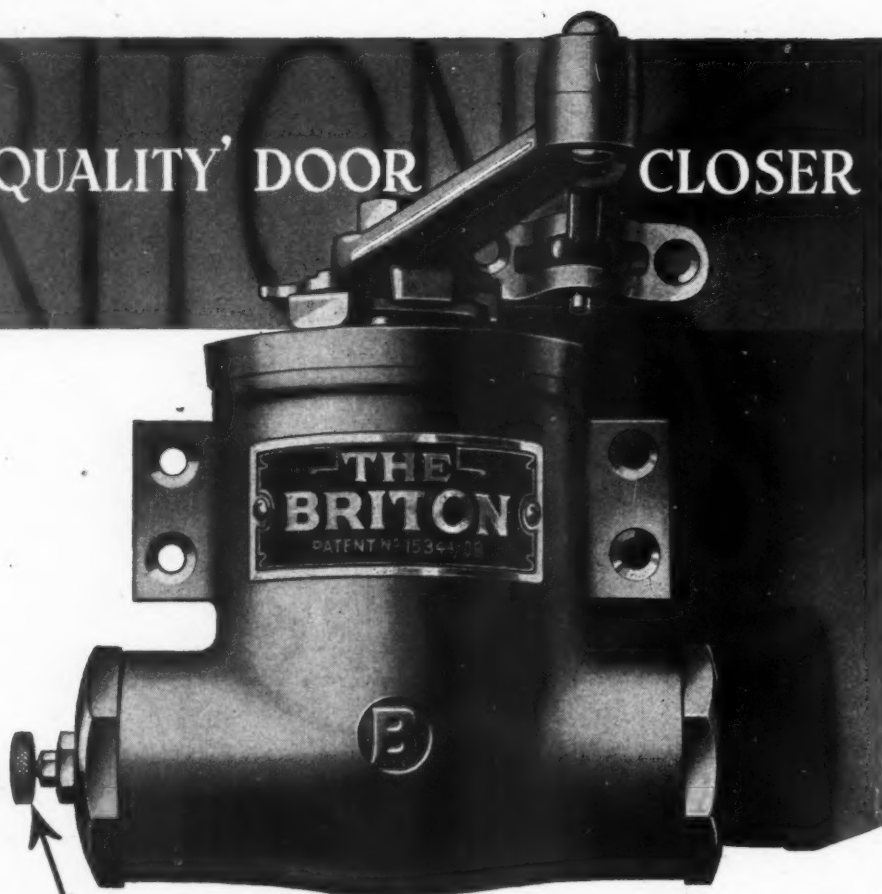
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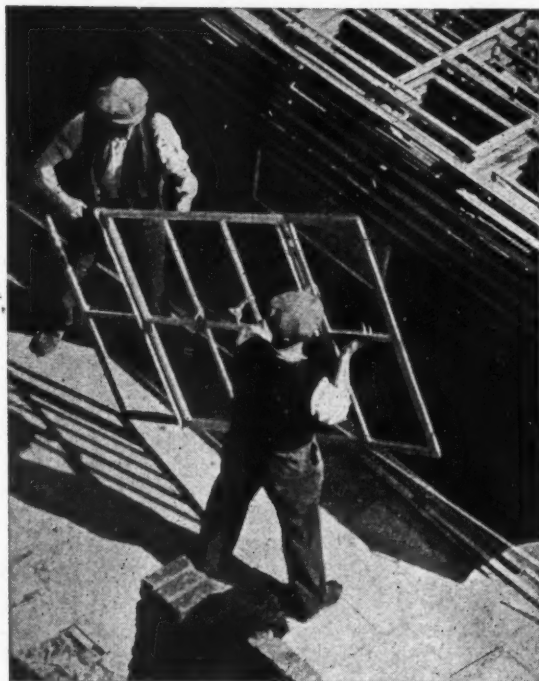
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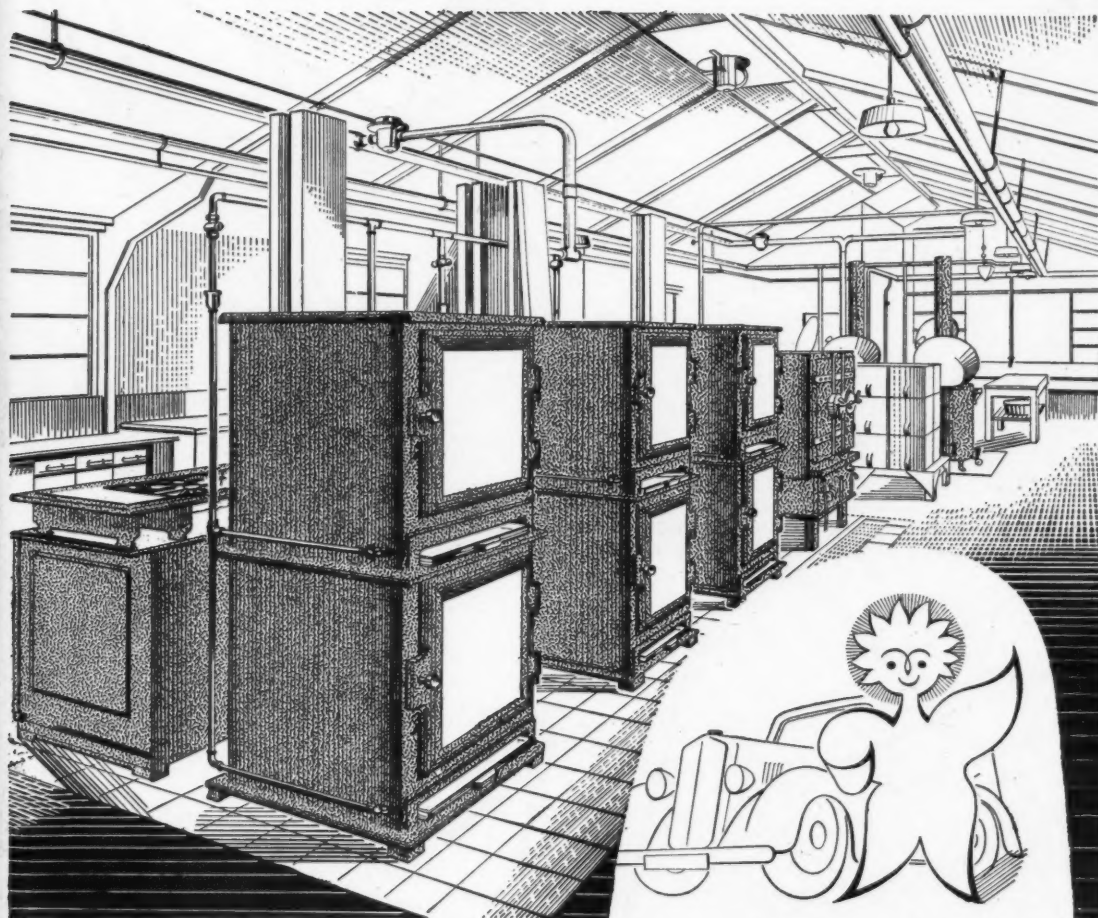
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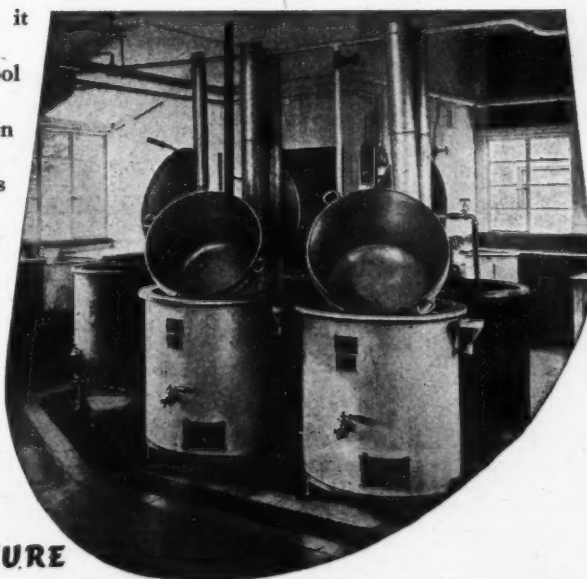






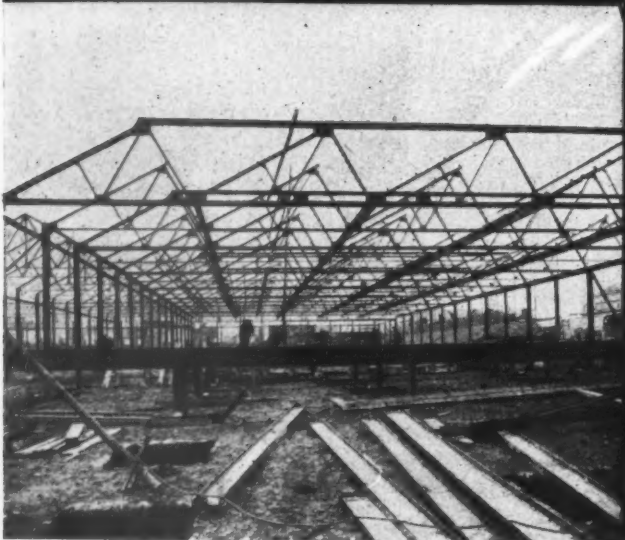
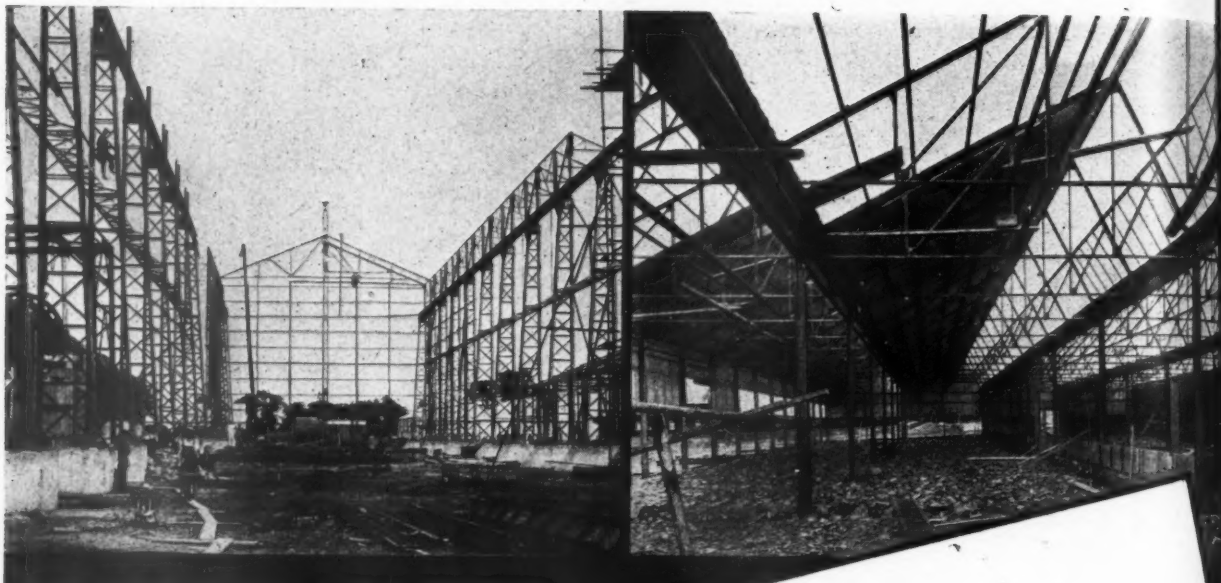
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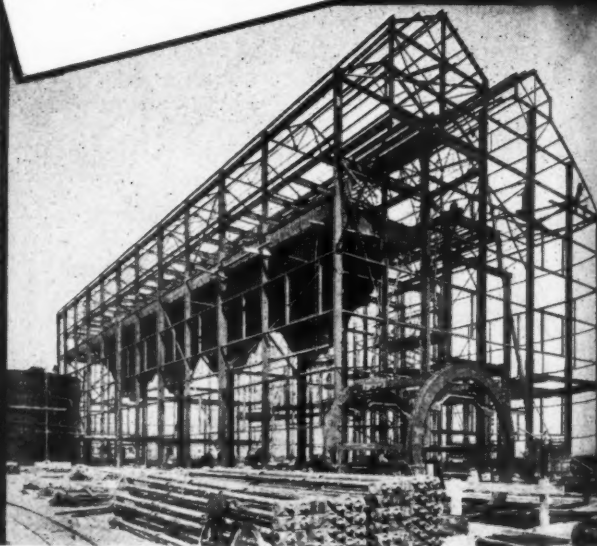
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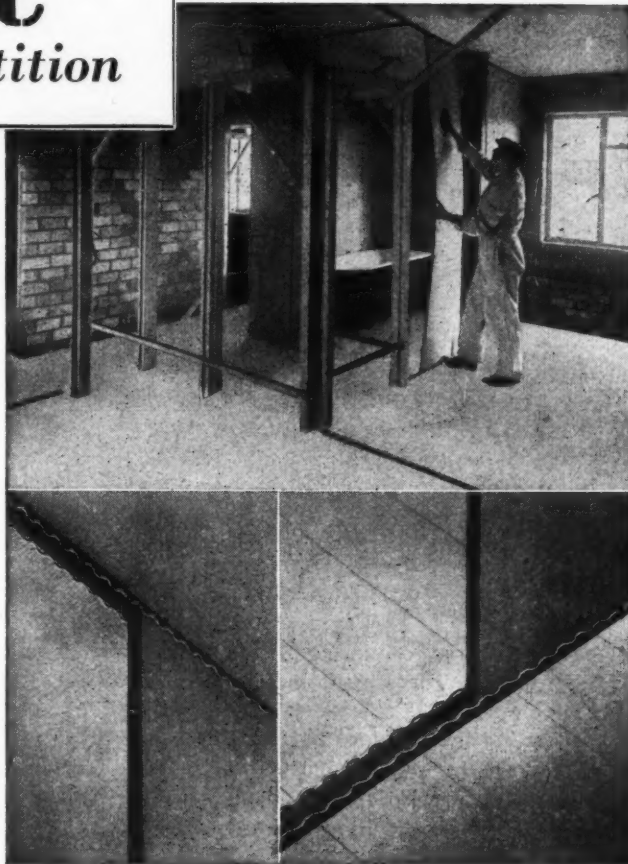
1 No timber is used for the construction of the actual partition. The metal looped box channel ceiling and floor grounds are laid out to correspond with the line of the partitions. The GYPROC planks are easily fixed between these grounds and securely fixed with vertical joint clips.

2 Detail at ceiling, showing looped box channel.

3 Detail at floor, showing looped box channel.

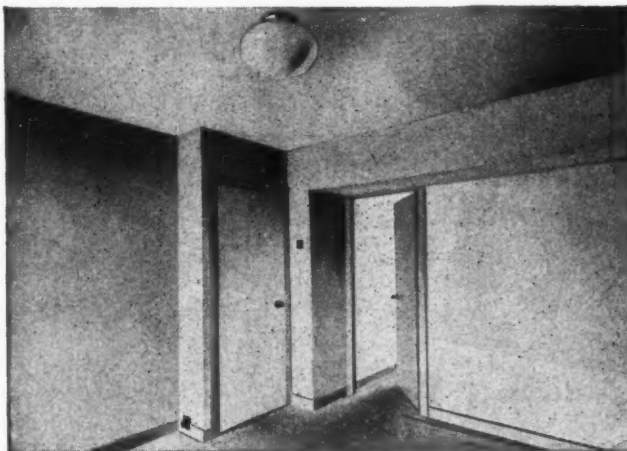
4 View of finished partitions.

The partition consists of  $\frac{3}{4}$ -inch GYPROC plank faced both sides with Gypsum plasters, so that the finished overall thickness is 2 inches. Its principal advantages are listed on right.



Ceiling detail

Floor detail



- 1 Low cost of materials and erection.
- 2 Phenomenal strength, adaptability and freedom from cracking.
- 3 Appreciable economy of floor space, due to overall thickness being only 2 inches.
- 4 Average weight of only 14 lbs. per square foot.
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London Office: Morris House, Jermyn Street, London, S.W.1. Telephone: WHitehall 9821/5.

G.5

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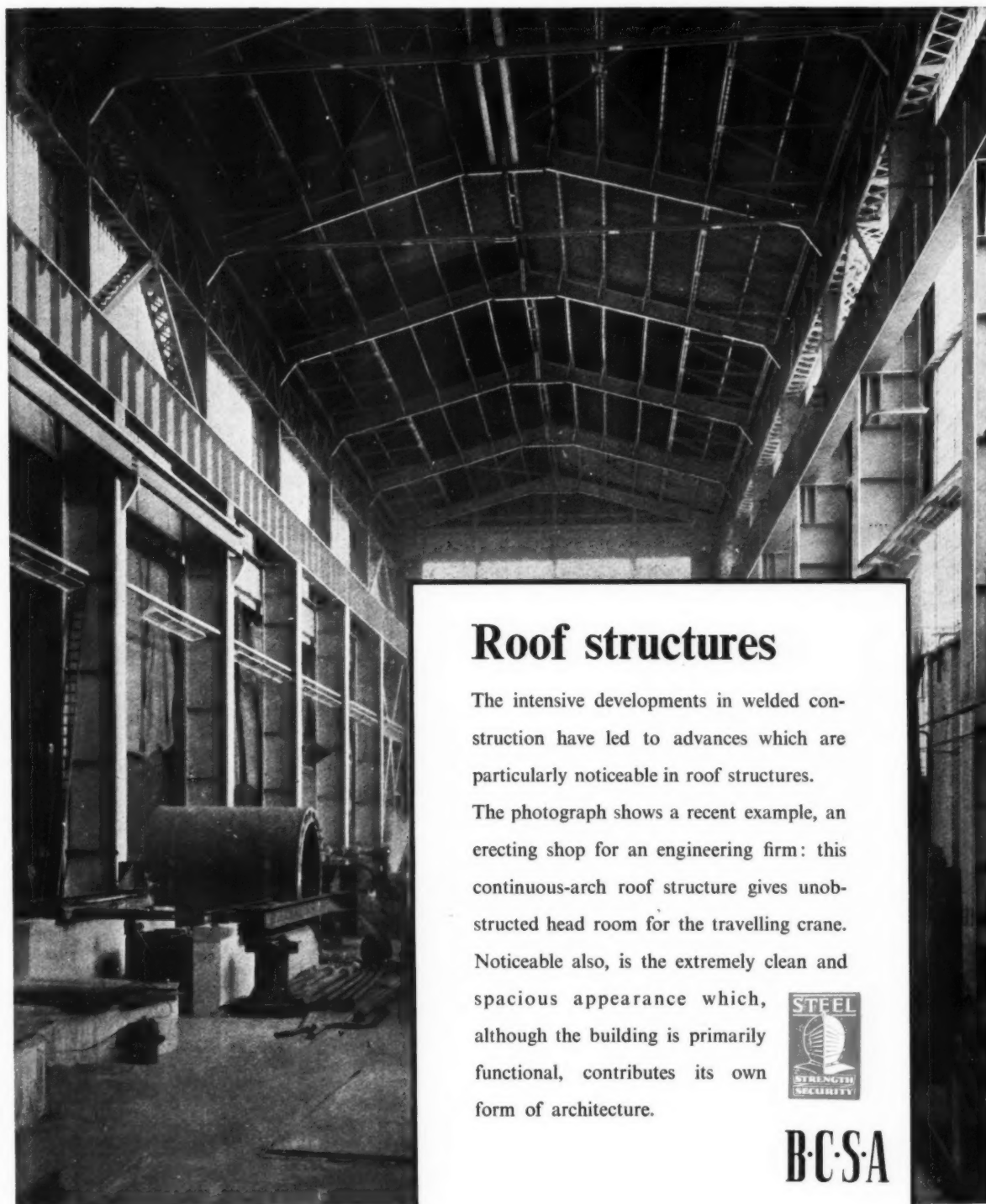
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S.3



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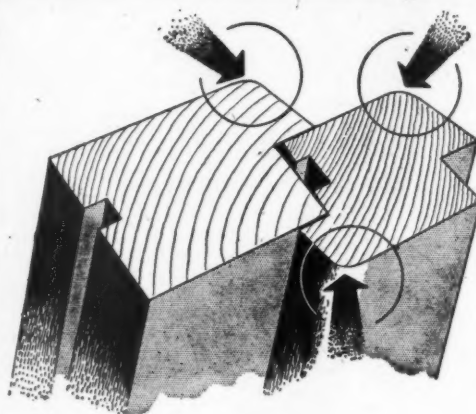
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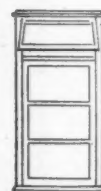


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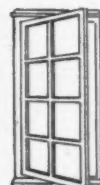


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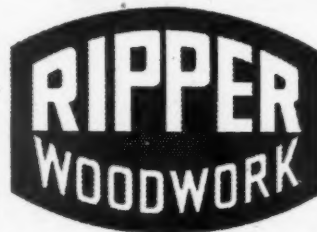
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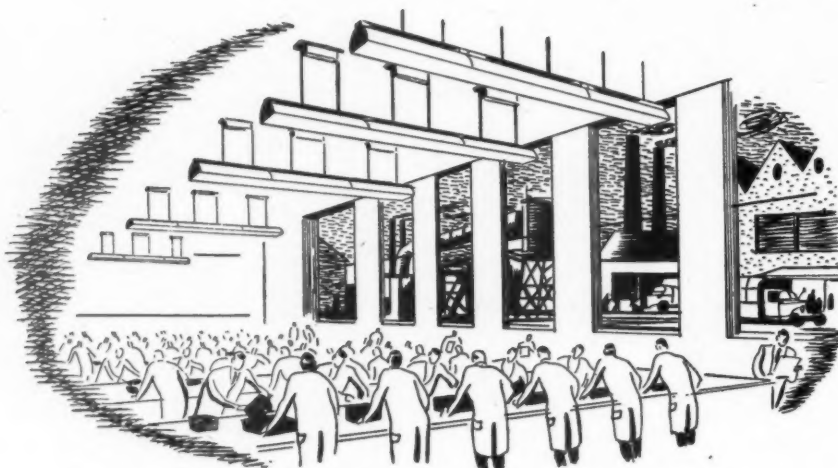
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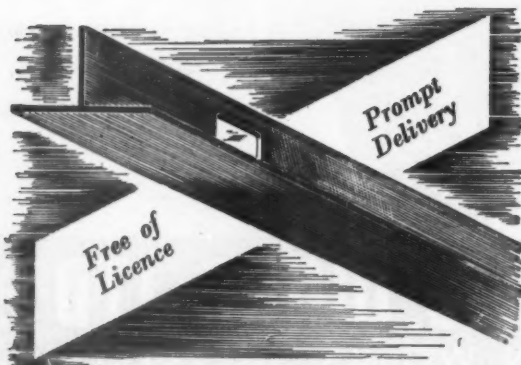
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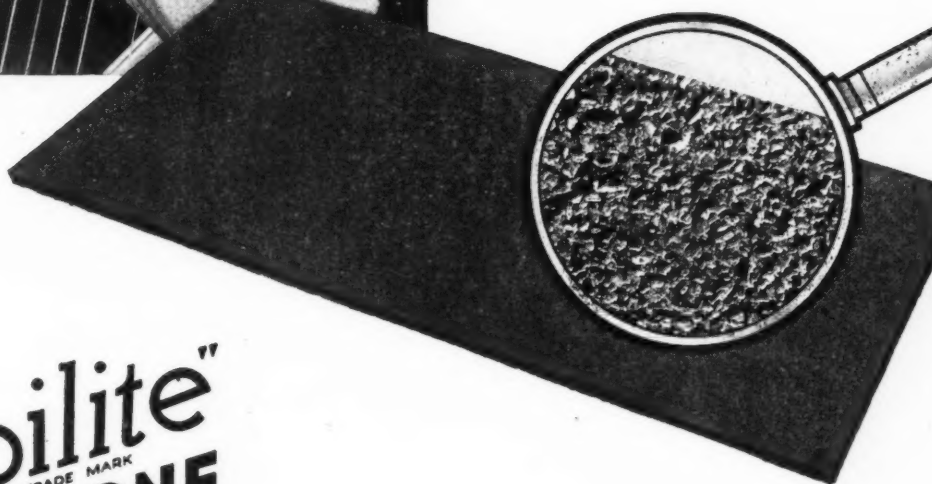
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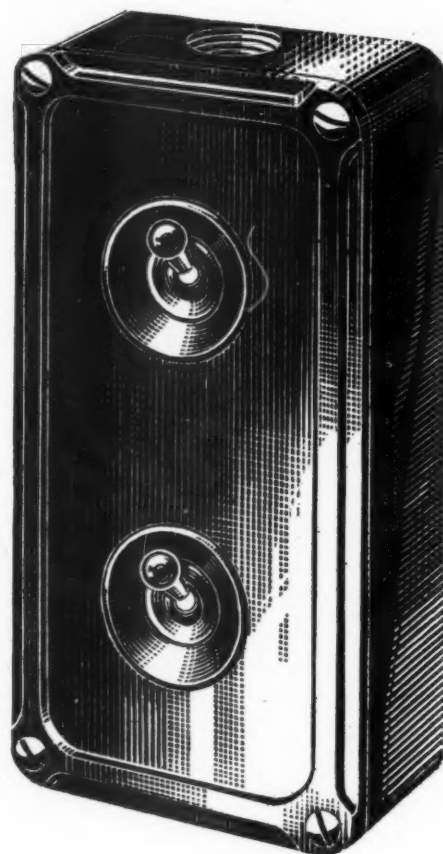
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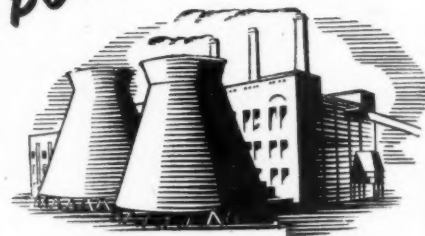
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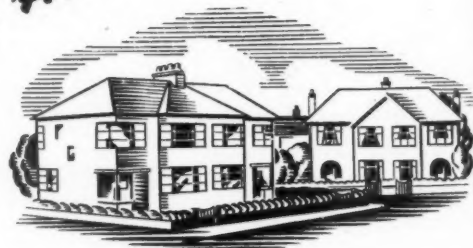
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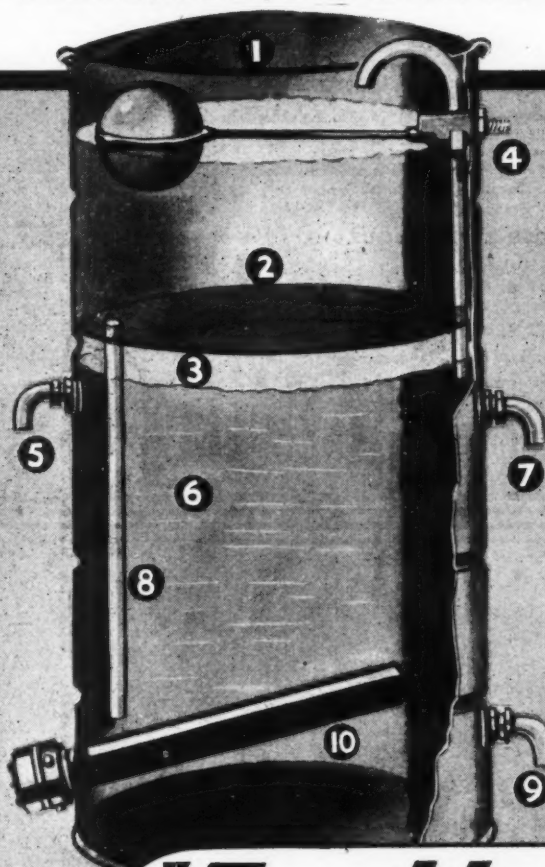
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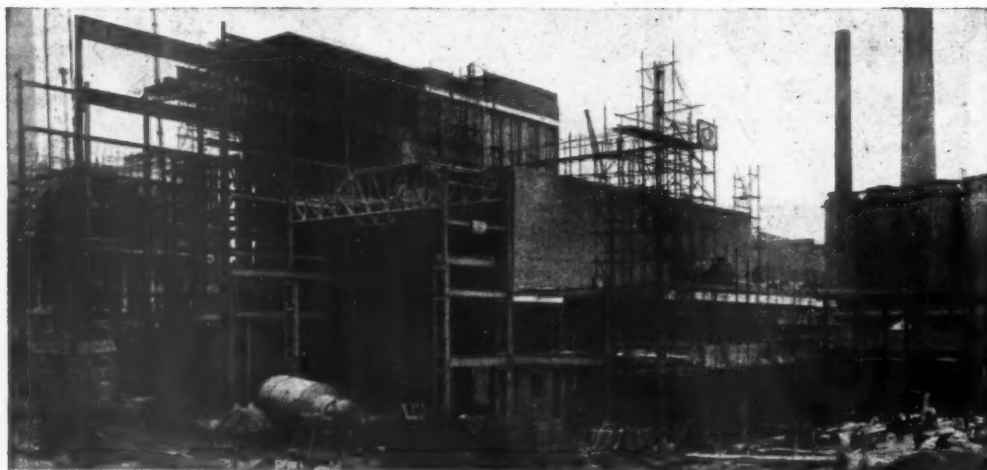
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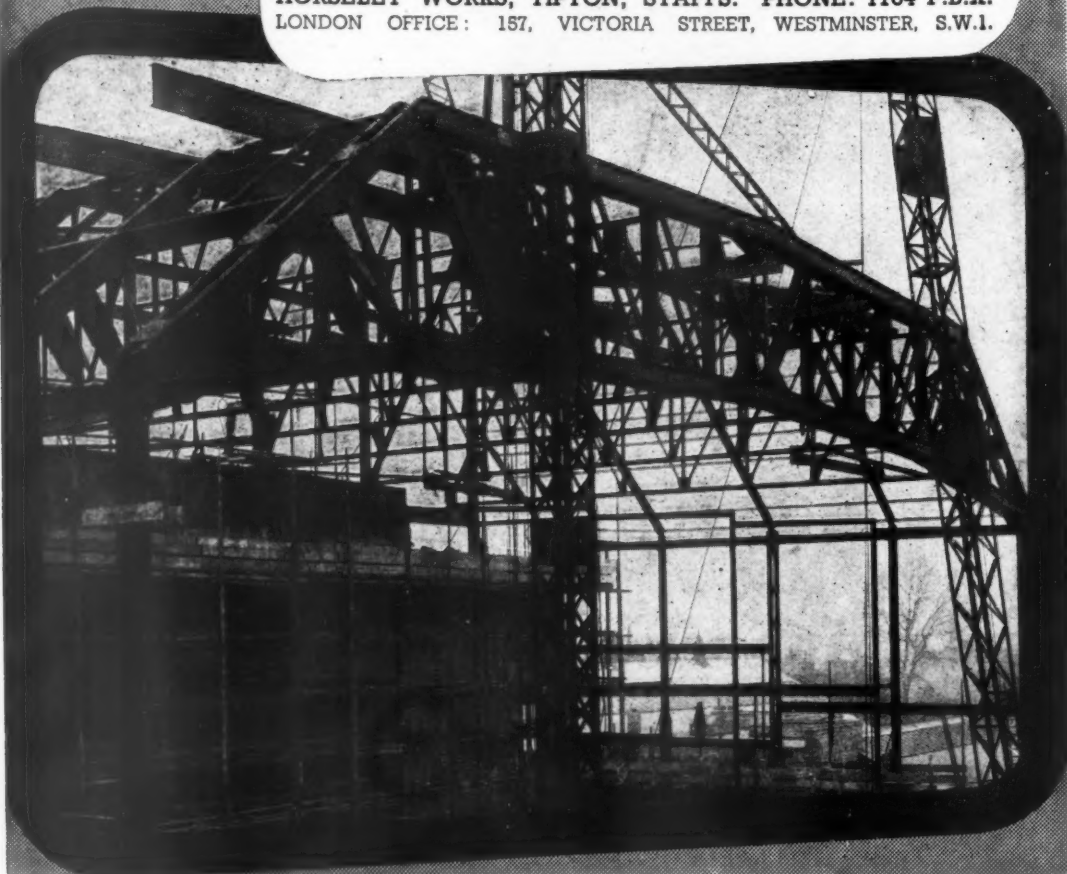
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*Above: Roof light to a factory at Chester.  
On left: Roof light to the Bird House at Dudley Zoo.*

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## DIARY FOR SEPTEMBER OCTOBER AND NOVEMBER

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

**BIRMINGHAM.** *Design Week.* (Sponsor, CID.) OCT. 11-16

**BRIGHTON.** *Sussex Industries Exhibition.* At the Dome and Corn Exchange, Brighton. (Sponsor, Federation of Sussex Industries.) UNTIL OCT. 9

**LEEDS.** E. H. B. Boulton. *Timber.* At the Leeds College of Commerce. (Sponsor, TDA.) 7 p.m. OCT. 11

**LONDON.** *Darkness into Daylight Exhibition.* At the Science Museum, South Kensington. (Sponsor, Science Museum.) UNTIL SEPT. 30

*Town and Country Planning Act, 1947.* Sir Thomas Sheepshanks, Permanent Secretary, and other officers of the Ministry of Town and Country Planning, will meet members of the Chartered Auctioneers' and Estate Agents' Institute at the Kingsway Hall, Kingsway, W.C.2, to explain, and answer questions on the interpretation of, the various Regulations issued under the Town and Country Planning Act, 1947. 6 p.m. SEPT. 30

R. Orpen and Mrs. Bishop. *Demonstration and Talk on Village Planning.* At the Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) 3 p.m. SEPT. 30

*Exhibition of Prints and Sculpture.* At Whitechapel Art Gallery. (Sponsor, CID.) Weekdays 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. OCT. 1-31

Hugh Roberts. *The Conversion of Terrace Houses.* At the Royal Society of Arts, 6-8, John Adam Street, W.C.2. (Sponsor, The London Society.) 5.30 p.m. OCT. 5

*The English Home.* A series of four lectures. Percy Wells. *16th-17th Century.* Oct. 5. A. E. Richardson. *18th Century.* Oct. 12. H. S. Goodhart-Rendel. *19th Century.* Oct. 19. Gordon Russell. *20th Century.* Oct. 26. All 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. 5, 12, 19, 26

*Howard Memorial Dinner.* At the Waldorf Hotel, Aldwych, W.C.2. Tickets, 25s. (Sponsor, TCPA.) 7 for 7.30 p.m. OCT. 6

*Royal Photographic Society's 93rd Annual Exhibition.* At 16, Princes Gate, S.W.7. (Sponsor, Royal Photographic Society.) Part 1: Pictorial and Colour. UNTIL OCT. 3

Part 2: Scientific Nature Record and Technical. OCT. 9-30

*AA General Meeting.* Richard Neutar. *Architecture and Education.* At the AA, 34/6, Bedford Square, W.C.1. (Sponsor, AA.) 7.45 p.m. OCT. 6

Gordon Russell. *The Work of the RDI's.* At the Royal Society of Arts, 6, John Adam Street, W.C.2. (Sponsor, RSA.) Lunch-time meeting, 12.30-2.30. OCT. 6

**MAIDSTONE.** J. Singleton-Green. *Concrete Troubles.* At the Maidstone Technical Institute, Tonbridge Road, Maidstone. (Sponsor, S.E. Society of Architects, Maidstone Group.) 7 p.m. OCT. 7

**MANCHESTER.** Dr. A. Gemmell. *How a Tree Grows.* At the Gas Showrooms, Town Hall. (Sponsor, TDA.) 7 p.m. OCT. 4

**ROTHESAY.** *Scottish National Housing and Town Planning Council.* Annual conference. OCT. 1-2

**WALTHAMSTOW.** *Course of Evening Lectures in Town Planning Law.* N. Abbey. *Town Planning Law (Sale and Mortgage of Land).* Monday evenings, 6.30-8 p.m. *Town Planning Law (Lease of Land).* Monday evenings, 8-9.30 p.m. *Law Relating to Town and Country Planning, I (General).* Wednesday evenings, 6.30-8 p.m. *Law Relating to Town and Country Planning, II (1947 Act).* Wednesday evenings, 8-9.30 p.m. At the S.W. Essex Technical College, Forest Road, Walthamstow, E.17. (Sponsor, S.W. Essex Technical College.) OCT.-JULY

**WELWYN.** P. L. Morey. *Timber.* At Welwyn Craftworkers' Guild. (Sponsor, TDA.) 7 p.m. OCT. 2

### COMPETITIONS

**RIBA Prizes for Public and Secondary Schools:** A total of 10 guineas in prizes is offered for: 1, The best original illustrated essay dealing with a building or group of buildings with which the competitor is personally acquainted; 2, the best sketches or scale drawings of a building or part of a building in pencil, ink or colour, maximum size 30 in. by 22 in. Assessors: H. T. Cadbury Brown, Hugh Casson, E. R. Jarrett. Further information from the Secretary, RIBA, 66, Portland Place, London, W.1. Entries by October 7.

**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.

### The men and women of Tickton, near Beverley are BUILDING THEIR OWN VILLAGE HALL.

Three miles from Beverley, in the parish of Tickton, men and women are building a village hall in their spare time. According to *The Times*, the plans came without fee from a Beverley architect, contractors are supplying materials at sympathetic prices, and all the labour for the erection and site preparation is unpaid (and except for the "labourer" assistants from the International Voluntary Service for Peace) entirely local. Their hall, when equipped, may cost £4,000, towards which they hope for a major grant from the Ministry of Education. Every brick laid has been paid for by parishioners, neighbours, and friends.



A classroom in the prototype School at Weston-super-Mare, built by the Bristol Aeroplane Co. (Housing) Ltd., in collaboration with the Consultant Architects of the Company:—Richard Sheppard, F.R.I.B.A., and G. Robson, A.R.I.B.A.—and the Northern Aluminium Company, Ltd.

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## From AN ARCHITECT'S Commonplace Book

**MEDÆVAL BUILDING ORGANISATION.** [*From Durham Cathedral, by W. A. Pantin (Cathedral Books No. 2. Lund Humphries).*] How was the building of a great church like Durham organised? In the first place, it was the bishop and the monks who provided the necessary funds. When building was begun in 1093, it was arranged that the bishop should pay for the church, and the monks for the monastic buildings. Later bishops also contributed generously. In 1247, Bishop Nicholas of Farnham appropriated the revenues of the church of Bedlington to the fabric. Appeals were also made to the faithful for contributions. One of the monastic officials, the sacrist, was responsible for the fabric as well as for the ornaments of the church, and he had the use of the estate of the Sacriston-heugh; the bursar seems to have been responsible for the fabric of the monastic buildings. No doubt the bishop and the monks decided on building policy, as a college or chapter would now, but the actual building was the work of a well organised building trade. The nearest approach to a modern architect was the *magister*, or master mason, an experienced craftsman who designed the building and directed the workmen. These *magistri* were very important people, and where they remain anonymous it is by the accidental result of a lack of records.

★★

**Sir Malcolm Truham Eve, Chairman of the Central Land Board, has stated that the Board may have to invoke its powers of COMPULSORY PURCHASE OF LAND.**

Sir Malcolm was speaking at a meeting of the Law Society at Brighton. He pointed out that in many cases land is deliberately being sold at its full value, including development value. One of the objects of the Town and Country Planning Act, 1947, is that land should be sold at its value for the use to which it is being put at the time of sale. Then, when development takes place, and the developer pays a charge to the Board, he will not have paid for the development value twice over. In addition, the seller will have his claim on the £300,000,000 fund for loss of development value. Sir Malcolm said he was afraid that the inflated prices being paid at the moment would be passed on to whoever occupied the building when the land was developed, or, alternatively, that purchasers would not come forward, and approved and urgent development would be held up. The Board had therefore asked the Minister for his approval in principle to the exercise of their powers under the Act to buy land. This would be done in cases where they were satisfied that it was deliberately being offered for sale or had been bought at a price considerably above existing use value, including cases where the transaction was coupled

with an assignment to the purchaser of the vendor's claim on the £300,000,000. Owners would be informed that the Board did not wish to buy land if an undertaking were given that it would be sold at its existing use value. Where agreement was not arrived at, however, the Board could be authorised in appropriate circumstances to buy the land compulsorily. They had hoped to be able to operate the Act without the threat or the use of land purchase, at any rate in the early days, but they had already plenty of evidence that many owners were selling land on terms unfair to prospective developers.

### *The HOWARD MEMORIAL DINNER is being held by the TCPA on October 6.*

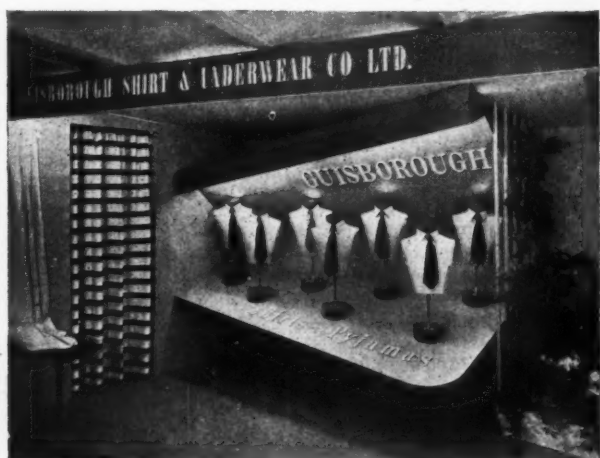
The dinner will mark the fiftieth anniversary of the publication of Sir Ebenezer Howard's book *Tomorrow*, which started the Garden City movement and led to the foundation of the TCPA in the following year. The occasion is also in honour of Mr. Richard L. Reiss to whom the Howard Memorial Medal is being awarded in recognition of his services to the movement. The dinner will be held at the Waldorf Hotel, Aldwych, London, W.C.2. Mr. Herbert Morrison will attend and speak. Other speakers will be Mr. B. Seebohm Rowntree, Sir Patrick Abercrombie,

Sir George Pepler, and Mr. Christian Gierloff (Norway). Mr. E. J. Osborn will preside. The Bureau of the International Federation for Housing and Town Planning, of which Sir Ebenezer Howard was first President, will meet in London on the same day, so that its members can attend the dinner. Applications for tickets to the dinner (25s. each) should be made to the Organizing Secretary at the TCPA.

### *The Government is still considering scheduling MERSEY-SIDE as a development area.*

In the spring it decided, after hearing local evidence, that there was nothing to be gained by scheduling the area. Liverpool, in opposition to the scheme, already had special Parliamentary powers, while Bootle and Birkenhead were not large enough to be scheduled on their own. The President of the Board of Trade, Mr. Harold Wilson, has now written asking for a further opinion from the city.

This letter has been considered by the corporation finance committee, who have passed a resolution for consideration by the city council, recommending that the previous objection be not pressed if the council felt that the step would result in the early establishment of new industries.



The British Exhibition at Copenhagen opened on September 18, and a preview of some of the principal stands was given in the JOURNAL for September 16. The two photographs above have been taken since the exhibition opened and show stands designed by the Design Research Unit. Left, the stand for the Micanite & Insulators Co. Ltd., designer Robert Gutmann; consultant, Milner Gray; typographer, Austin Frazer. Right, stand for the Guisborough Shirt & Underwear Co. Ltd. in the Textile Section, where the problem was to fit the display area and the office into 100 square feet. The designer was Robert Gutmann.





## Terrace Houses at Hackney

These two-storey terrace houses are part of a newly completed housing scheme at Hackney. Designed by Graham Dawbarn, of Norman and Dawbarn, the scheme consists of one four-storey block, and two three-storey blocks, of flats and two rows of terrace houses, providing in all accommodation for 189 persons. The roofs are finished in double Roman tiles. Windows are steel in wood surrounds, painted white, and the timber and broad reeded glass panelled front doors are alternately painted

deep red, deep blue, and mustard yellow, with small panels of one of the other colours. Gutters and down pipes are greenish putty colour. Each house has its own small private garden, hedged off but opening into a common central garden. Rambler roses in a brick flower box beside each front door—a steel trellis is provided for the climbers—and flowering shrubs prevent people walking across the grass in front of the houses. The housing scheme is illustrated on pages 309-315.

### *APRR has taken steps to correlate some of the functions of various PLANNING ASSOCIATIONS.*

It has been felt that the various Planning Associations were duplicating each other's functions, and on the APRR's initiative it has been decided to combine as much as possible without sacrificing individuality. Among the different activities decided upon is the holding of jointly sponsored meetings twice a month at the TCPA, 28, King Street, W.C.2. The associations concerned are:

APRR, the British Social Hygiene Council, the Institute of Public Administration, PEP, and TCPA. A series of joint meetings, under the title of Planning Forum, have been arranged, and particulars are given below:—

October 14.—*What has Happened to the London Plans?*: Chairman, J. A. Sparks; speakers, Charles Dalton, James E. MacColl.

October 27.—*The Kinsey Report*: Speakers, Dr. David Mace, Dr. Fred Grundy, Rev. J. Leycester King.

November 11.—*Population and Emigration*: Chairman, Dr. David Glass; speakers,

Professor Branley Thomas, R. J. Goodman (Director of PEP).

November 24.—*Work and Health*: Chairman, Professor J. M. Macintosh; speakers, Dr. R. F. F. Shilling, Brian Bunch, Dr. John Burton.

December 9.—*Manpower*: Speakers, A. E. U. Maud (Deputy Director PEP), G. D. N. Worswick.

These meetings will be held on the fourth Wednesday and second Thursday in each month at 6.15 p.m. in the Planning Centre Hall, 28, King Street, W.C.2.

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### Twenty-two foreign delegates are attending a course on HOUSING AND TOWN PLANNING.

The delegates are from Austria, Czechoslovakia, Poland, Italy, Norway, Sweden, Denmark, Finland, Pakistan and Colombia. The course, which ends tomorrow, has been arranged by the British Council in conjunction with the South Devon Planning Committee and the Planning Committees of Exeter and Plymouth, and is being held in Exeter and Plymouth. After the opening lecture by Sir George Pepler on "History of Town Planning in Britain," and a bus tour of the city, the delegates studied the Exeter City Plan. Visits were made to Torquay and Dartington Hall, where lectures were delivered on "Land Utilisation" and "National Parks." On September 28 delegates travelled to Plymouth for the rest of the course, which is devoted to a study of the Plymouth Plan.

### A method of erecting PERMANENT BRICK-BUILT TWO-STORIED HOUSES in six weeks has been evolved.

The system has been evolved by Messrs. Blackburn (Dumbarton), Ltd., who maintain that the houses, complete with wiring and plumbing, are ready for occupation within six weeks from the time the foundations are finished. An experimental block in Riddell Street, Clydebank, has been built for the Clydebank Burgh Council and is being opened today. The building time for this block has been eight weeks, but six weeks is considered easily possible when production is under way. The erection of the brickwork began on July 30.

The house now being built is the traditional two-storied cottage type, and can be built in terraces of two, four, six or eight houses. The external and party walls are built by the building contractor, after which the entire interior of the house is built up with prefabricated interior wall and floor units moved into position through inlets provided in the brickwork. After assembly the inlets are closed by window sections. The roof is deep pitched, and can be assembled and locked on in one operation so that the interior can be finished immediately on completion of the shell. The inside walls are covered with prefabricated plaster board sections which are sealed with a beading which also acts as a picture rail.

### ★ The allocation of five sites on which building is to begin on January 1 and the tentative allocation of other sites in COVENTRY'S CENTRAL SHOPPING AREA is announced by the Corporation.

Labour and materials for the five blocks to be erected, which form the first phase of the city's redevelopment programme, have been approved for allocation by the Ministry of Works. Three of the five sites are in Broadgate, the city centre, and the other two are in what will be a shopping area, and adjoining Broadgate. Those in Broadgate will be occupied by an hotel with shops, a departmental store, and a commercial building to accommodate several retail businesses. A chain store and other shops and another departmental store will form the blocks in the adjoining area. The work of assigning further sites to other businesses displaced by war damage or redevelopment is being carried on.

## ON NATIONAL PARKS

THE proliferation of voluntary societies, formed by and composed of devoted enthusiasts, is a valuable characteristic of the British people. Such societies have great achievements to their credit, and, while some of them have their attention fixed on relatively trivial or even on obstructive objects, many more have rallied seemingly lost causes and led them to triumph. It is one of the most significant functions of such societies to remind us continually of things we might easily allow ourselves to forget. The Friends of the Lake District\* do not intend us to forget what they regard as defects in the arrangements Mr. Silkin has made for the future of our national parks.

In the first flush of enthusiasm for the great Planning Act of 1947 and of delight that there is now control of outdoor advertising, it is easy to forget that the future of the National Park areas is by no means secure. The Minister's frigid reception of the recommendations of the Hobhouse Committee that special planning instruments should be created has been forgotten in an orgy of well-wishing and anxiety lest the administrative difficulties of planning authorities should prejudice the success of the new system. The Friends of the Lake District have rapidly recovered their suspicious vigilance and are not at all satisfied that the MOTCP is equipped to deal with the development of adequate National Parks. And indeed there seem to be solid grounds for their disquiet.

The leading article in the JOURNAL for July 31, 1947 commenting on the then recently issued Hobhouse Report, stated "the JOURNAL has doubts whether the requirements of National Parks are so special that planning proposals for them should be separately considered at every level in the planning hierarchy." There is no cause to abandon this view, though the pamphlet under discussion points clearly to some weaknesses in the planning picture that may have particularly serious repercussions on the satisfactory development of National Parks. The general assumption is that the Minister of Town and Country Planning will control the overall picture, though an individual park area may be divided among as many as four planning authorities. He will control it, however, only by permission of other Ministries to whom are delegated powers of giving planning consents. Recent experience has suggested that there is more than one Government Department willing to lay hands on the land without much regard to the views of MOTCP. Each Minister will undoubtedly regard the needs of his own policy as the most vital national interest and we may well see the National Parks afforested by one, flooded for a water scheme by another, intersected by trunk roads and railways by a third, and built over with factories by a fourth, all without reference to the Minister responsible for planning.

Mr. Silkin has claimed that all the requirements of a National Parks policy as recommended by the Hobhouse Committee

\* National Parks or "Local Authority" Parks? issued by the Friends of the Lake District, 14 Princess Street, Ulverston, Lancs.

can be achieved through the medium of the 1947 Planning Act and that no special powers, legislation or organisation is necessary. This remains to be seen, and in the meantime the very strong case made out by the Friends of the Lake District will be a salutary reminder not to take Ministerial protestations at their face value and to test them by the facts of the development of the National Park areas. If experience shows that existing powers are inadequate to protect the chosen areas, then fresh powers must be sought.



*The Architects' Journal*

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

Phone: Whitehall 0611

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

## TRY THE OTHER EYE, F.B.I.

Beat through Copenhagen at almost any time of the year and you will be certain to flush a covey of English architects searching out the latest Fiske or Jakobsen, or (more furtively) making notes for their next competition elevation. From one of these questing colleagues I have had news of the British Exhibition which closes there at the end of this week. It has been apparently a tremendous success, but my fears (expressed here on August 19) as to the standard of design to be expected were unfortunately well justified. No supervising architect nor design policy, you may remember, was established at the British end, and the results were inevitably, shall we say, unequal.

The street decorations and temporary structures (by Danish designers) were excellent. So too were about a dozen of the individual stands, large and small. But the general standard seemed no higher than a pre-war Birmingham

BIF, and some of you may remember how high that was, and bear the scars to this day.

\*

The opening, attended by Royalty, the Gordon Highlanders, a squadron of RAF jet planes and a posse of English double-decker buses (a rare delight for the Danes) was carried out in the teeth of a record gale which set all the flag halliards slapping like machine guns, nearly blew down the Television studio, and stirred, for a brief moment, the sweeping moustaches of Basil Spence. Other architects visible occasionally either behind mounds of smorgesbrod or trying to explain things to a Danish signwriter were John Lansdell, Robert Gutmann, Hugh Casson, Michael Rachlis, and Peter Moro. All of them, reports our spy enviously, were obviously enjoying Copenhagen more than Earls Court. Most of them, he adds, had also bought some Klint lampshades and endured the agony of discovering, too late, that each shade folds neatly into a box not less than about 3 ft. square. "In casting bouquets," he concludes, "at the FBI and others concerned for the initiative in organizing such an exhibition, see to it that a few brickbats are mixed in as well for lack of imagination on the design side. A splendid chance missed once again."

## TASK FORCE

From New Haven, Connecticut, Christopher Tunnard writes to correct my statement (this page, July 29) that Gropius' report on German planning and reconstruction was not yet published. Those interested may be glad to know that the full text as released by the Secretary of the Army can be found in *Task 7/8*, price 1 dollar, Box 117, Cambridge 38, Massachusetts. This, the first post-war issue, is devoted, as some of you may remember, entirely to the problem of reconstruction, and

consists of reports from the European countries, South America, Russia and Japan. Jacqueline Tyrwhitt speaks for England—and a splendidly incisive job she makes of it, with no quarter asked or given. Everybody from MOTCP to her own APRR gets a well-aimed kick on the shins. Other contributions include Faludi on Italy, Dudok on The Hague, the Syrkuses on Warsaw, Huxley on Unesco—all of them neatly corralled and branded by Catherine Bauer in her introduction. Divers as the reports are, the questions posed are nearly always the same whether they arise in Manchester or Magnitorsk. The housing shortage is world wide. Everywhere housing standards, neighbourhood planning and decentralization are the principal problems being discussed, and here you will find brief descriptions of how each nation is going about it. Altogether a splendid dollar's worth and an encouraging return visit of this enterprise, which Neutra has described as "a magazine of dissatisfaction and promise."

## CO-OPERATIVE HOUSING

As a footnote to the comments on the building situation in Germany made a month ago in this column, some of the readers of the JOURNAL may have seen the letter in *The Times* from the Oberbürgermeister of Delmenhorst, W. von der Heyde, who, it seems, has organized a pretty comprehensive co-operative housing effort. The whole adult population of the town, some 50,000 persons, including 17,000 refugees, is to be signed on as members of the co-operative. Tenants, lessors and employers are to pay a fixed contribution; the first subscribe an amount equal to 10 per cent. of their rent, the second 10 per cent. of the rents coming to hand, and the third 1 per cent. of the wages paid to his employees, including his own work "as a voluntary subscription." For the rest each member will be able to allot such sums from his wages as he wishes. The scheme covers new roads and open spaces, so the whole community has an interest in the work. Contributions will be regarded as savings deposits and interest will be paid if and when "the financial position allows." This scheme has been unanimously approved by the town council and is due to start at once. It seems an admirable idea to get the

## LETTERS

Robert Turner, F.R.I.B.A.

## Where are we going ?

SIR.—Various points were raised, and opinions expressed, on the above topic at the second debate introduced by Dr. Giedion, which I feel cannot pass without comment.

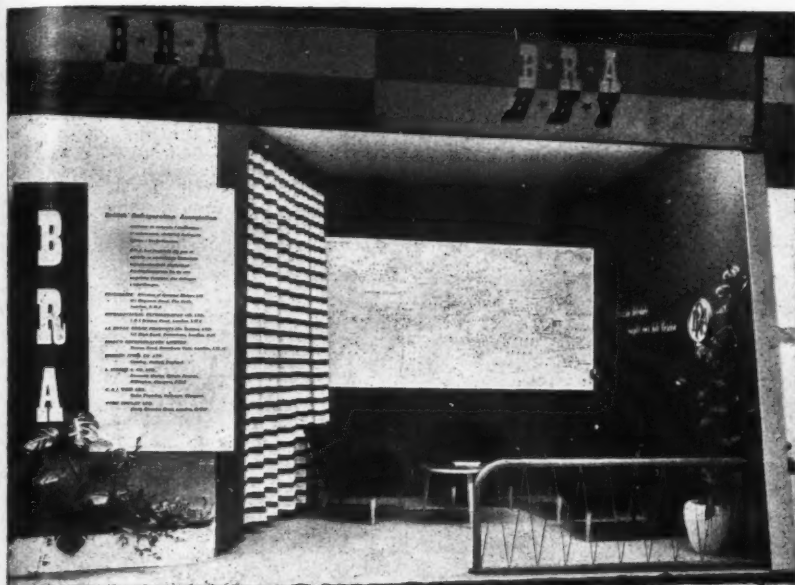
The main concern was about the Swedes, their "new empiricism" and as to where they are going. Why all the fuss? Surely we are not bound by their theories. They solve their problems in the way they think best, whilst we in Britain observe their solutions and obviously extract what we consider to be the good points—as with any other movement. This extraction process may be no more than an indirect influence upon our attitude in approaching a problem; in which case we may consider the influence as good, for automatically we fight against what we consider to be bad influences, and so the influence must be in line with our general feelings. As to whether the influence is, in fact, good or bad posterity (and our contemporaries) will judge. If we are bad architects, the chances are that we will remain so, for not even the Swedes can teach us to be geniuses.

Good architecture is spontaneous and not conscious, therefore to concern ourselves too much about where we are going is purely superficial. I am thinking primarily of aesthetics.

Maxwell Fry's point about the lack of examples, was not, I feel, altogether correct, for the earlier pioneers had no examples to follow but worked out their own salvation, with certain external influences (the work of their fellows, etc.), playing their part. This is bound up with Peter Shepherd's point, when he hit the nail on the head, by calling attention to the present day lack of building and architects' lack of practice (not lack of example!) but when building activity again assumes normal proportions architectural progress will be made.

The present halt in that progress is not without its characteristics, e.g., barrel vault roofing, free dispersed planning and the tendency to finite "framed" elevations.

The other main point was raised by Merton Tester, who viewed with horror the fact that owing to the present day lack of opportunity for the bold approach, architects' talents are being spent elsewhere, due to which they are becoming mere technicians. Admittedly, we do at times tend to lose sight of the overall pattern and become engrossed in a seemingly minor technical point, but surely during the period when architects cannot do just as they please, they should look inward and tidy up their technical knowledge to be able to give their future dreams greater realism. The fact that this opportunity exists is, I feel, the spur for architects to realize technical efficiency and perfection which, apart from being of great value to the country in the interests of economy, could possibly be likened, on a lower plane, to the earlier training years when we know how we wanted to design but needed just a little more knowledge of construction to complete the job. For we are not experiencing a peculiar metamorphosis and slowly emerging from an enforced hibernation? I am not saying that the architect should absorb (even if he could) all the overwhelming amount of advanced technical knowledge now being published, but it is there for reference, and he must know how to use it. In one way I agree with Merton Tester and shudder



A stand at the British Exhibition, Copenhagen, designed by Design Research Unit for the British Refrigeration Association. See Astragal's note.

whole town interested in its reconstruction, and it is hoped that, unlike some other co-operative ventures, this will be a success. It might even be an idea for the New Towns, if Cripps is unable to put up the money. What about a scheme for prospective tenants, industrialists and others who wish to settle in Stevenage and Harlow?

## SHACK STRAWS CASTLE

In the *Reading Review* I find a paragraph which suggests that the MOTCP is not as formal as it is painted. At a recent meeting to consider the menace of uncontrolled hutting held at Reading, the Regional Planning Officer, Mr. Buchanan, bravely claimed that the erection of huts and shacks in a man's back garden was an age-old tradition, a good instinct and of value to the nation. It is unfortunately true that the instinct is apt to express itself in socially undesirable terms, especially when it is one's next-door neighbour who feels he must conform to the tradition; nevertheless, given reasonable facilities for getting good materials, garden huts will not be unsightly. Very few local authorities provide adequate storage space for the accumulations of a family over some years.

The shacks now being scratched together or converted for human habitations, and not a mere resting place for spades and lawn mowers, in addition to being an expression of Mr. Buchanan's

age-old tradition, are also an expression of the difficulty of getting a house, with the rent you want, where you want it, and when you want it. When this can be done, shacks will be at a discount. In the meantime, it is evident that some form of self-help building scheme would be as popular here as it has been in Scandinavia and other European countries. In any case, if you are seized with an overmastering desire to build a shack, go to the Reading region . . . but watch out for development charges.

## AD-MAN KEEPS TRYING

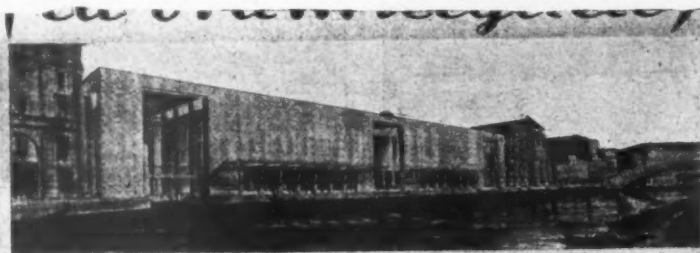
Not so very many months ago I handed a tasteful bouquet to the Tucker car's publicity man; now another seems due to the Oldsmobile boys for calling the new "98" the "Futuramic." Poised in front of a Futuramic beach house ("the accent's on youth and sunshine"), the new model is "Futuramic in more than style . . . press a button . . . the windows raise or lower . . . when you take the wheel, what a Futuramic thrill . . . for an extra burst of pick-up just step down on the accelerator all the way and . . . presto! . . . 'Whirlaway' goes into action."

Astragal is a firm enough *Time-fan* to know Whirlaway as a top-ranking U.S. racehorse, but Futuramic? My guess is it's a composite of futuristic-electronic-automatic-atomic, but maybe terrific and dynamic are in it somewhere as well.

ASTRAGAL



## MIXED STYLES IN ITALY



Il progetto dell'architetto Virgilio Vallot, approvato con piano vincente. Tipo «neoclassico».



Questo è invece il progetto di Emilio Ambasz, approvato con piano vincente. Tipo «neoclassico».



Ed ecco il progetto dell'ing. E. Ambasz, approvato con piano vincente. Tipo «neoclassico».



Il progetto ing. E. Ambasz, approvato con piano vincente. Tipo «neoclassico».



Il progetto dell'architetto Emilio Ambasz, approvato con piano vincente. Tipo «neoclassico».



Il titolo il progetto dell'architetto ing. E. Ambasz, approvato con piano vincente. Tipo «neoclassico».

The competition for the new railway station at Venice was held during the war and the results were not therefore reported at the time. It has now been announced that work on the station is to begin shortly, and will be based on a modification of the design awarded the first prize. This is the top one in the accompanying group of premiated designs, reproduced from a war-time Italian newspaper. The architect is Virgilio Vallot. The results of the competition are remarkable for the great variety of styles chosen, showing that it is not only in England

and America that architects exhibiting many different approaches to their art can flourish at the same time, and that it is not only in the USSR that nineteenth-century eclecticism is projected into the twentieth. The winning entry has some claim to be called modern, though it is so in outward style rather than in feeling, and shows little imagination. The remaining entries range from Second Empire Monumental and a sort of modified Regency to the art-nouveau-cum-Crystal Palace design at the bottom of the page.

at the thought of the architect becoming a pure technician or building engineer, but I'm sure that the emotional aspects of architecture are too deep rooted in us for that to happen.

I should like to thank Dr. Giedion for his excellent introduction to the debate, and those taking part in the controversy that followed, which helped to clear at least one person's mind. Thank you also, Miss Jacqueline Tyrwhitt, for the brilliant summing up of a difficult debate.

Chingford

ROBERT TURNER

## In Parliament

Members of Parliament, summoned back to Westminster for the special short session designed to enable the Government to get the Parliament Bill on the Statute Book, were afforded an opportunity of considering many matters of interest besides the subject of this controversial measure.

They learned, for example, through the medium of a written Parliamentary reply by Mr. C. W. Key, Minister of Works, that buildings erected at Sydenham at a cost of £212,000 for a Ministry of Labour Building Trades Training Centre have not been used for that purpose owing to the decision to reduce the number of training places. The buildings have been allocated in part for a technical school, and the remainder for industry. Owing to the fact that this piece of news was contained in a written reply no discussion could take place on it, but Members specially concerned with the building industry will no doubt question the Minister in the House when opportunity arises.

At question-time Mr. Key was asked by Mr. A. E. Marples (Con.—Wallasey) when the committee appointed by him in June, 1947, to keep under review the prices of building materials, would make their recommendations.

Mr. Key replied that this was a standing committee which made recommendations to him from time to time in response to requests for advice.

Mr. Marples: "Will the Minister consider publishing those findings in order to ensure a more speedy implementation of whatever recommendations are made?"

Mr. Key: "I am giving consideration to that matter, but I think that on the whole I shall get better and more intimate advice if I do not publish all the reports of this committee."

Mr. Marples also asked how many reports on output in the building trade had been published by the Committee of Review which was to be set up under the Working Rule Agreement for building trade operatives in the London district, signed in February, 1946.

Mr. Key said he understood that no reports had been published by the Committee of Review set up by the National Joint Council for the Building Industry.

Mr. Marples: "As the agreement was signed two-and-a-half years ago, surely some evidence has been collected? In order to assist in reducing building costs, will the Minister approach the committee and see if he can get their evidence, so that he can publish it?"

Mr. Key: "This is entirely a matter for the building industry itself. I should appreciate any evidence they have to give me, but so far none has come forward."

When Mr. Marples urged him to take the initiative and ask for any evidence they might have. Mr. Key had no further comment to make.

The Minister of Town and Country Planning, Mr. Lewis Silkin, told the House that the Government had decided to authorise a start on the rebuilding of blitzed cities. Work on factories and shops might have to be given priority, however, he added.



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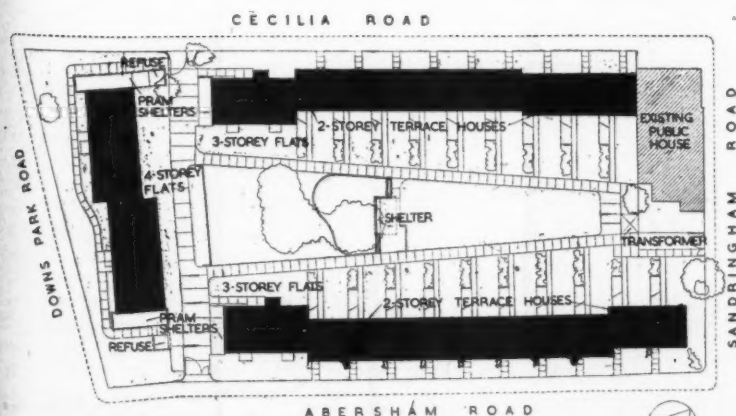




From the south. The fencing is temporary; hedges will eventually screen each private garden.

# TERRACE HOUSES AND FLATS AT SANDRINGHAM ROAD, HACKNEY

BY GRAHAM DAWBARN (NORMAN  
& DAWBARN). SENIOR ASSISTANTS:  
ALEXANDER GIBSON & R. E. PETHYBRIDGE



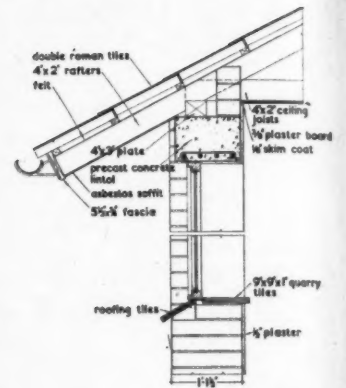
SITE PLAN

**GENERAL.**—The purpose of the scheme is to provide dwellings for families of varying size, as follows: 19 of 5-person, 16 of 4-person, 6 of 3-person, and 6 of 2-person, making a total of 47 dwellings for 189 persons.

**SITE.**—This has a gross area of 1.91 acres, bounded on the North by Downs Park Road, on the east by Cecilia Road, the south by Sandringham Road, and the west by Abersham Road. An existing public house remains in the south east corner. Density: 24.6 dwellings; 99 persons per acre. The site falls slightly from north to south. There are a few existing trees, mostly plane, cherry and



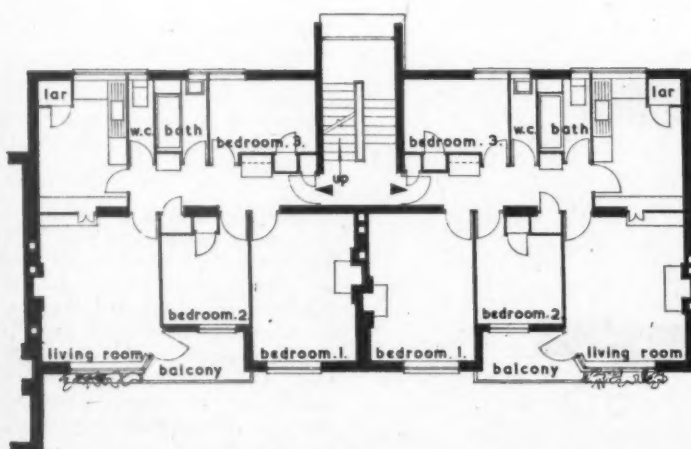
Detail of balconies on the 4-storey block of flats.



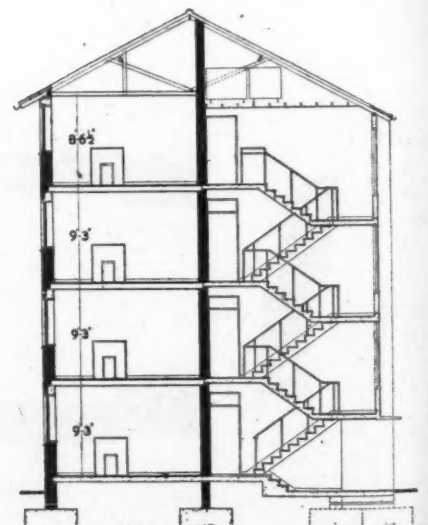
TYPICAL EAVES DETAIL  
[Scale: 1" = 1'0"]

chestnut. The site contained a number of semi-detached houses before the war; all damaged and most demolished by bombing. The semi-basements, loosely filled back with earth and rubble, the presence of a static water tank and the existence of century-old rubbish tips made foundation work difficult.

PLAN.—The buildings are arranged around a central garden in order to give privacy and retain trees; the surrounding roads are not noisy. The highest buildings (4-storey flats) are placed at the north end of the site, 3-storey flats on either side, with the 2-storey houses arranged along Aber-sham Road and Cecilia Road; the south end, apart from the public house, is left open to admit a maximum of sunlight. Flats and houses are planned to suit the differing orientations. Each house has its own small private garden, hedged off from, but opening into, the common central garden, with a covered shelter facing south

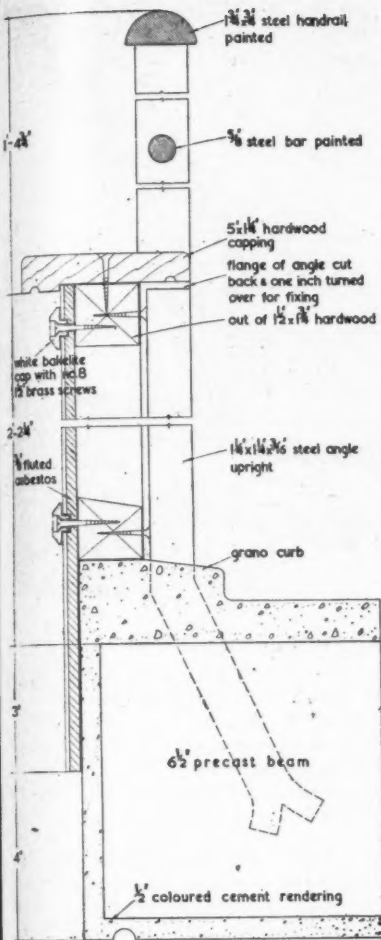


TYPICAL PLAN: 4-STOREY BLOCK, FACING SOUTH  
[Scale: 1/4" = 1'0"]

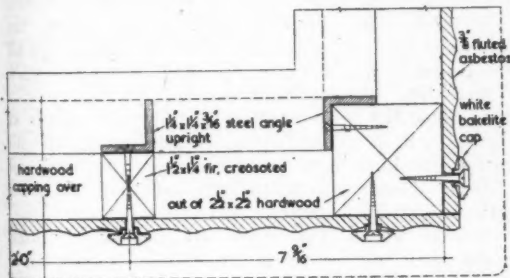


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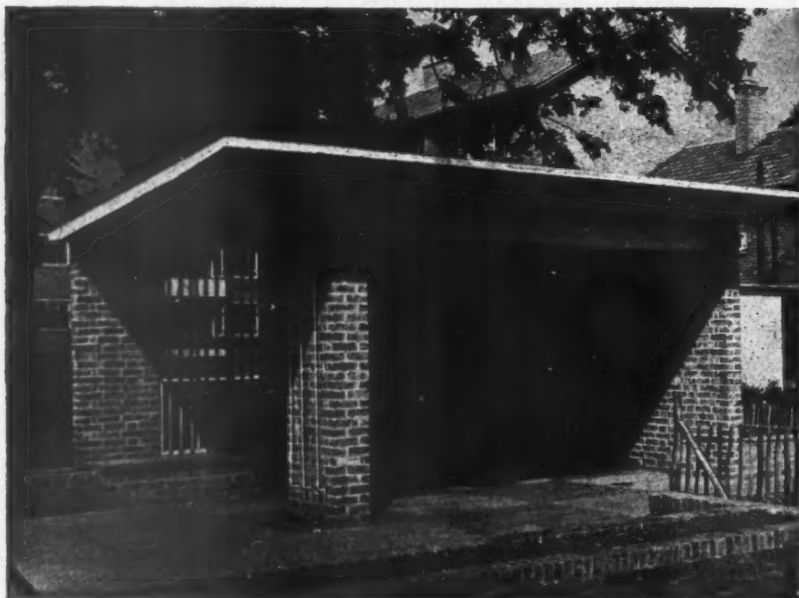
BALCONY DETAIL PLAN  
[Scale: 1/4 full size]

between each house and its shed and fuel store. In the centre of the site there is a shelter with a long seat grouped with brick flower boxes and the existing trees; part of the grass area is raised within a brick retaining wall to provide variety of levels and to accommodate surplus excavation. A playground is provided to the north of the shelter with two swings. Owing to the smallness of the estate, no communal laundry facilities were possible; provision has, however, been made for attaching clothes lines to metal frames adjacent to the swings. Careful attention has been paid to the planting

*Top, the 4-storey block of flats from the south. Right, the entrance.*



## HOUSING AT SANDRINGHAM ROAD, HACKNEY



of the gardens; hedges have been planted round the flats and the back gardens of the houses. Rambler roses have been provided in a flower box beside the front door of each house and flowering shrubs placed strategically to prevent, as far as possible, foot traffic across the grass in front of the houses, which is only guarded from the street by very low rails.

#### CONSTRUCTION:—

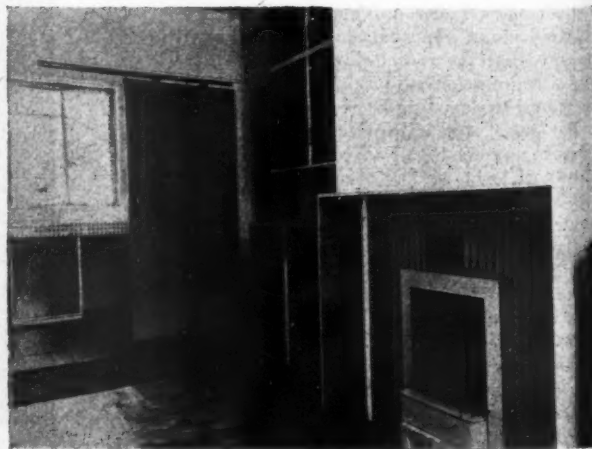
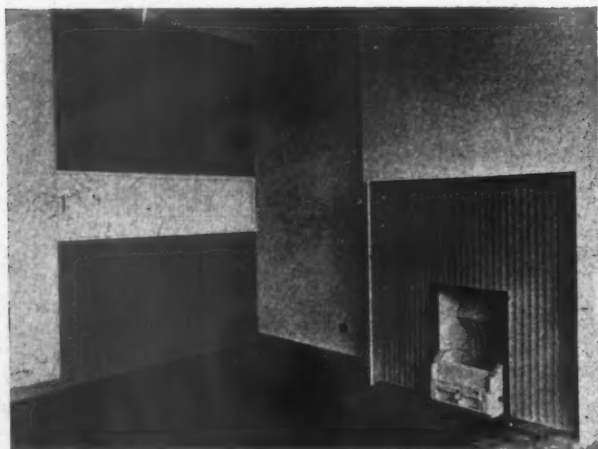
**Flats.**—Walls: Solid 13½ in. brick external walls with spine and party walls of 9 in. brickwork, increased in thickness when necessary. Floors: Re-inforced concrete slab ground floor laid on earth filling. Precast hollow R.C. beams on upper floors. Roof: Timber framed, strutted off spine walls, covered with felt and double Roman tiles. Partitions: 2 in. breeze. Windows: Standard steel windows and casement doors in wood surrounds.

**Houses.**—Walls: 11 in. cavity brick external and party walls with 4½ in. brick spines. Floors: as in the flats. Roof: timber rafters with trussed steel purlins spanning from party wall to party wall. Partitions: 2 in. breeze. Windows: as in the flats.

#### ELEVATIONAL TREATMENT.

Variety has been obtained by using two types of brick. The four-storey flats, and panels in the back elevation of the houses are faced in dark multi-coloured Flettons with a light joint, the remainder of the buildings and all boundary walls, flower boxes, etc., in mild London stocks with a yellow joint nearly the colour of the brick. Small sections of wall are rendered or slurried and treated with coloured concrete paint.

The roofs are of a low pitch covered with double Roman tiles; eaves and verge have a wide pro-





junction. Balconies to flats are covered with fluted asbestos-cement sheets left natural colour, fixed with screws with white bakelite caps with black centres. Windows are standard steel without glazing bar, fixed in wood surrounds. Front doors of houses are of timber glazed with panels of broad reeded glass. Steel trellis is provided at each front door to take climbers growing in brick flowerboxes.

**Colour.**—Windows, door frames, eaves and verges are painted white; gutters, down pipes, etc., are

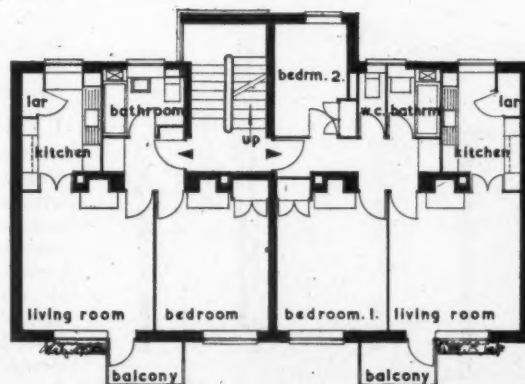
painted a greenish putty colour. Elsewhere colour has been used generously:—Front doors are alternately painted deep red, deep blue and mustard yellow with small panels of one of the other colours. Pram shed doors are deep blue and the entrances to flats are accentuated with rendered spandrils of bright red. Coloured tiles are introduced around hatches to refuse chambers, and (in two colours) in the staircases to flats.

**INTERNAL FINISHES.**—Walls and ceilings throughout are of plaster, with tiled dados in kit-

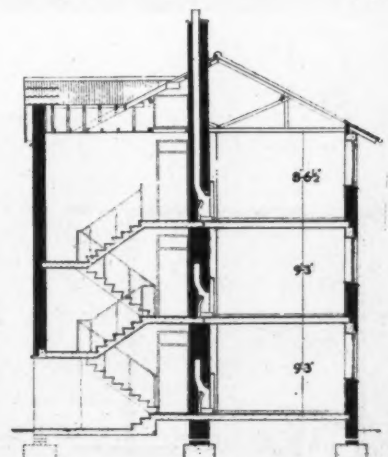
chens, bathrooms and w.c.'s. Floors are wood block, except in kitchens, bathrooms and w.c.'s, which have dark red pitch mastic. Doors are four panelled standard in pressed steel frames. Standard EJMA kitchen fittings are used.

**Colour.**—Walls throughout are ivory distemper, except for certain staircase walls which are blue grey. Doors are painted battleship grey with white frames. Fireplace

Above, Abersham Road front from the north east. Facing page, top left, the garden shelter. Top right, staircase detail. Centre, an entrance to the 3-storey flats. Bottom left, the living room in a 4-storey flat. Bottom right, the living room in one of the terrace houses.



TYPICAL PLAN 3-STOREY BLOCK, FACING WEST [Scale:  $\frac{1}{4}$ "=1'0"]



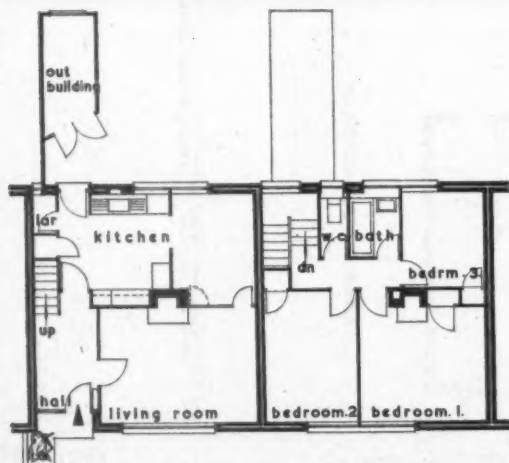
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## HOUSING AT SANDRINGHAM ROAD, HACKNEY

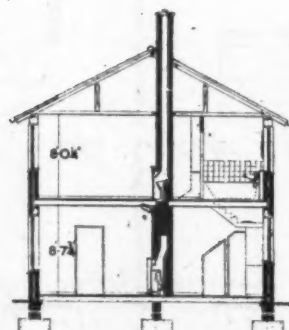




Left, the doorway of one of the terrace houses. Facing page, a house and the 3-storey block of flats from Cecilia Road.



TYPICAL PLAN: TERRACE HOUSE FACING WEST  
[Scale:  $\frac{1}{8}'' = 1' 0''$ ]

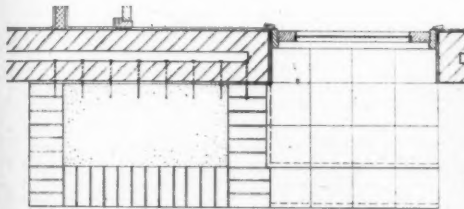
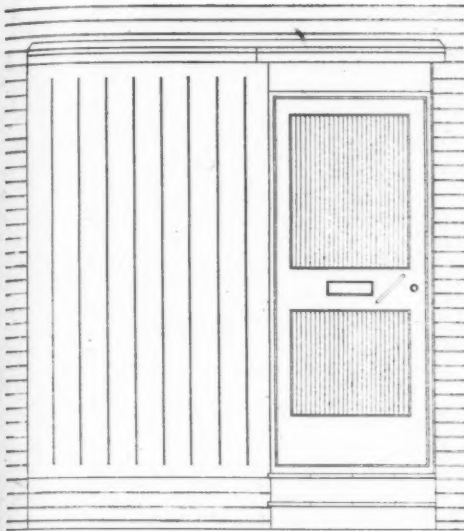


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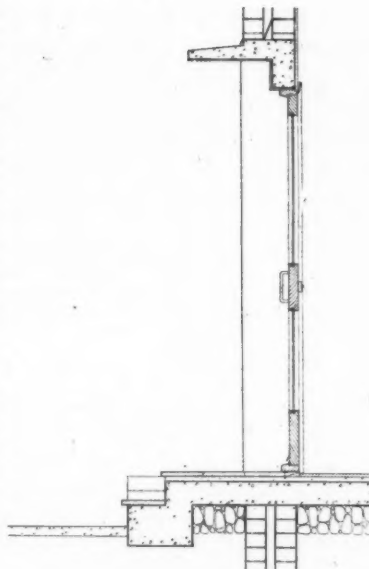
surrounds are of fluted asbestos cement finished with shellac knotting, the deep wood surrounds being white with a deep red internal face. Hearths are of black matt tiles with hardwood curb at front only.

**SERVICES (HOUSES).**—In the houses a continuous burning fire with back boiler provides hot water and a warm air supply through a louvred grille in the fireplace surround, to the dining recess in the Abersham Road houses and the sitting room in Cecilia Road houses. An immersion heater is also installed in the cylinders for summer use. All bedrooms have plugs for portable electric





PLAN, ELEVATION AND SECTION OF  
DOORWAY TO TERRACE HOUSES  
[Scale:  $\frac{1}{4}$ "=1'0"]



heating, copper water services and one-pipe plumbing are all as in the houses. Electrical installation is carried out in screwed conduit and a liberal number of 13 amp. outlets are provided on ring mains. Gas points are available for cooking and forokers at each fireplace, if required by tenants.

**CONTRACTS.**—The work was completed under a single contract. Cube figure for houses: 2s. 3d. cube figure for flats: 2s. 8d. Siteworks, drainage, demolition, are extra. The General Contractors were J. M. Hill & Sons, Ltd. For list of sub-contractors see page 322.

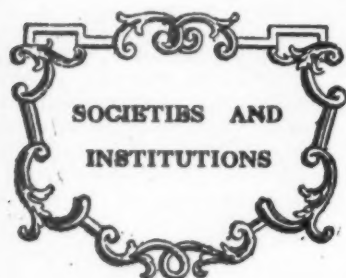
fires. In addition, an open fire-place has been included in the main bedroom, at the request of the Borough's Medical Officer of Health. The chimney stack has been placed in a central position in order to distribute heat evenly throughout each house. Cylinders, boilers and all water services are carried out in copper with patent fittings.

One-pipe plumbing is used, all sanitary fittings being grouped as closely as possible; all pipes are concealed in ducts, including water services. Covers to ducts are of asbestos cement sheets, which are readily removable.

**SERVICES (FLATS).**—In the flats are continuous burning fires without back boilers; in the smaller flats warmed air is provided to the entrance halls through louvred grilles; in all flats warm air is taken into the living room through a grille in the fireplace surround. Hot water is supplied by a 12-gallon electric water heater controlled by a switch adjacent to the cooker control. All water heaters are concealed. Bedroom



HOUSING AT SANDRINGHAM ROAD, HACKNEY



*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

## Dennis Chapman

August 27. At the T CPA Summer School, Cambridge. SOCIAL ASPECTS OF TOWN PLANNING.

**Dennis Chapman:** My opinion is that town planning has a "bad history" in that much of the present planning activity derives from a kind of social guilt which was brought out in the early stages of the war; and offered in return for loyalty promises of a new social life. To meet these promises vast plans were made to cover the whole range of our social life, including the re-planning of many of our great cities and towns and the establishment of new towns. Much of this planning activity was associated with the master-plan concept which ignores social development and attempts to forecast the material framework of our social life at some more or less remote period, taking little account of our almost complete failure to forecast effectively any of the major social changes that have taken place this century.

The master-plan concept, from its nature, does not regard planning to be a conscious process derived from the citizens themselves, but is rather a ready-made prescription, of the expert for the patient, who in many cases is not even consulted. There have, of course, been plans which have been based on a great deal of public consultation and enquiry, as at Middlesbrough, and such a plan, if based upon the research, will be a great advance over the master-plan derived from sanitary rules and ascetic principles. It will still have the disadvantage, however, that it is a static concept and that consultation is not, in itself, a substitute for a knowledge of the essential human processes which make up city life, and the social psychological processes which control urban morale.

It is on the question of a satisfactory social life that most work needs to be done. We have begun to appreciate more and more the importance of the informal social relations which grow up between people to their mental and ultimately their physical health. Such studies as that of Russell Fraser on

*Neurosis in Industry* have emphasized the importance of friendship. We have discovered, however, that friendship has its origin in work, in residence and relationship rather than from social institutions. This information is not, in itself, particularly helpful to the planner as, in most cases, the units concerned are either too small or too intangible to enter into his calculations. There is some evidence, however, about the larger groups which are important in social life, and in the following account of Aycliffe I have tried to show how these can be used to build up a precinct, which in turn is a unit within a ward. You will notice that the precinct is small and our whole town of five wards is only about the size of a neighbourhood unit.

### SOCIAL PLANNING AT AYCLIFFE, CO. DURHAM

Aycliffe is to be a town of 10,000 population; it is to be situated some five or six miles north of Darlington, adjacent to the site of a Royal Ordnance factory which is being converted into a trading estate. It is important to stress that the siting of the town is to some extent fortuitous and not based, say, on a micro-climatological survey. At present, the town and the trading estate are under separate control and the industrial structure of the estate is already out of balance with the planned population of the new town. I mention this to show that planning, to be successful, is economic, social and architectural—thus all our social plans and all our housing provision may be upset if our new town has to absorb 2,000 lodgers, as may well happen. We have, of course, studied this problem together with problems of population structure, class composition and like matters, in order roughly to estimate the number of dwellings of different kinds and with different accommodation; this work, of course, follows familiar lines.

We have planned our housing to facilitate social relations and we have proposed management and resettlement policies that take account of the social roots of the families who are scored and will endeavour to re-establish them. The basic and most important social intercourse is that between immediate neighbours, two or three families on both sides of the dwelling. This consists in mutual visiting, mutual excursions to shops and places of interest and entertainment, but possibly more important, mutual aid in every aspect of domestic life, in sickness and in the care of children. In general this kind of social life is not greatly affected by housing layout except that the isolation of individual dwellings should be avoided. (This is not so important for the middle class family whose social relations are more highly organised and whose dependence on others is somewhat less.)

At the next level of social integration families get together spontaneously, in disaster or for celebration, in groups of 40 to 100 houses, depending on layout, and thence the possibility of face to face contacts. Social activity of this kind is difficult in long wide streets—easy in squares, rounds and cul-de-sacs (but trees should be planted to break up the noise). Space for activity—bon-fires, open air dances, tea parties, and political meetings, etc., is desirable. It has been observed that groups of this size celebrated V.E. and V.J. days together, and that such groups throw up natural leaders—air raid wardens, savings group collectors, or the people who will make a collection for the penniless widow victim of an accident. These considerations should control the size of the "precinct."

The next size of group, or "ward," is that of 400 to 500 families who can support the institution of a local shopping centre of ten to fifteen shops—grocer, butcher, fish and chips, baker, greengrocer, electrician—radio-cycles, chemist, hairdresser, newsagent-confectioner, draper and haberdasher, post office (especially important for pensions, children's allowances, etc.), public telephone—and

minor administrative centre. A group of this size would allow all these to be within 10 minutes of the home.

The first institution to be considered is the ante-natal clinic which may be combined with the infant welfare clinic. This should be located in the local shopping and administrative centre within twelve minutes of the home so that journeys to the clinics may also be used for shopping and other purposes. Research has shown that distance affects the extent to which clinics are used, even in such cases as the two visits required for the immunisation of the child against diphtheria. (Social Survey Study, 1944.)

Day nursery and nursery school accommodation should be provided for each group of four to five hundred houses. If possible the clinic and child welfare centre should be associated with these institutions in order to make possible the greatest number of informal meetings of mothers living in the same area. The neighbourly relations thus created by common interest in the child may be an important integrating influence, and the discussions between mothers at clinics and nurseries are useful ways of disseminating information about child health.

There is a strong case for infants' schools on the same basis. As in most cases children of five to six have to be accompanied, the local infant school for 400-500 houses would keep the journey within ten to twelve minutes and also facilitate parental social life—the break should come at seven when children can travel alone, further and more quickly. The usual arrangement is of schools of 240 and 360, five to seven year olds, which are much too large for the social life of the child. The placing of nurseries and infants' schools should take account of the working mother who will take and collect her child on the way to work.

The group of 400 to 500 houses should support a public house, a social club (Club and Institute Union) and a branch library. This might have children's study accommodation and rooms and a hall for meetings. It might also be a local arts centre for exhibitions, concerts, dramatics, dances, displays, etc., and also a British Restaurant.

In the main the re-settlement and social guidance should be carried out by the woman housing manager specially trained for new town work. If housing groups are planned to be of 400 to 500 units with 50 to 100 middle class dwellings, owner-occupied or on monthly or quarterly tenancies, then one woman housing manager with clerical assistance could handle each group. She should have an office which should be a minor administrative centre in the local shopping centre, as proposed in Bristol.

Places of worship will have to serve larger areas—possibly the whole town. It is doubtful if there is a case for the normal type of community centre in areas of this size. It is suggested that the other kinds of social and educational interests be organized from the town centre to act as an integrating force for the town as a whole. In planning the location of shops and administrative buildings these should be on the town centre side on a natural route rather than in the centre of the group. This briefly is the basis for the ward.

### THE TOWN CENTRE

The function of the town centre is to provide a place where the citizens can meet for common objectives which concern them all as a group. Therefore care should be taken not to provide facilities which concern the neighbourhood group and could be decentralized into the ward centre. There will be four main functions: (i) social in its widest sense, a place of meeting, pageantry, political meetings, and entertainment; (ii) a place of administration; (iii) a centre for service, shops and offices; and (iv) a centre of education. In performing these functions the town centre will have to express the character of the town and by its architectural quality contribute to the loyalty and interest of the citizens.

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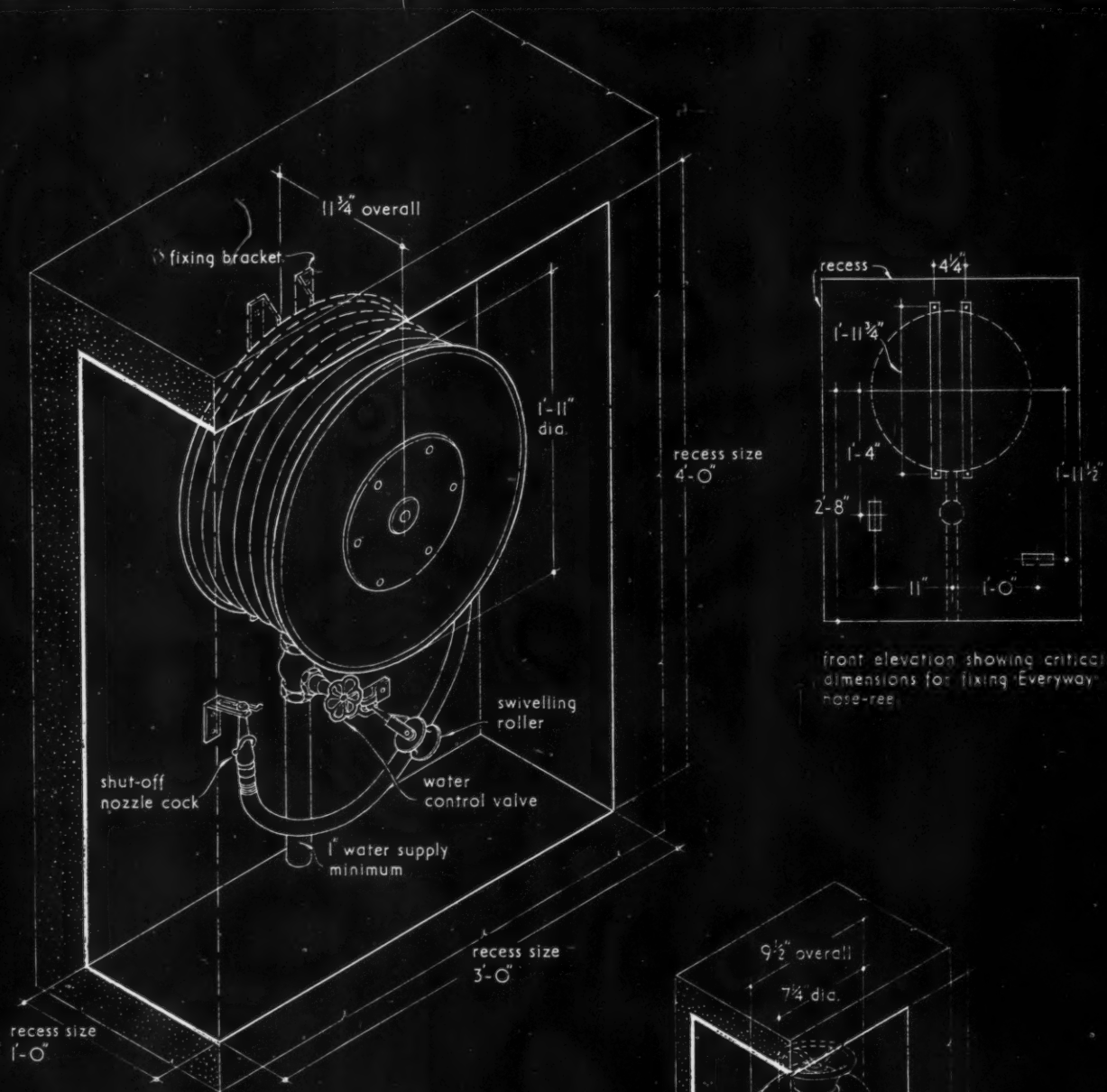


## FIRE PROTECTION | UNIT EQUIPMENT

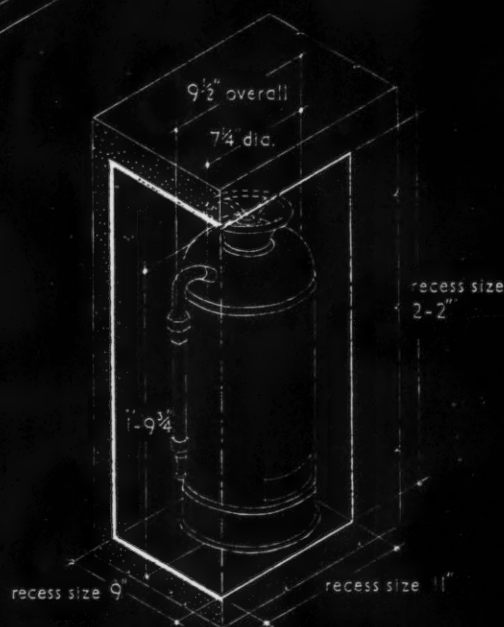
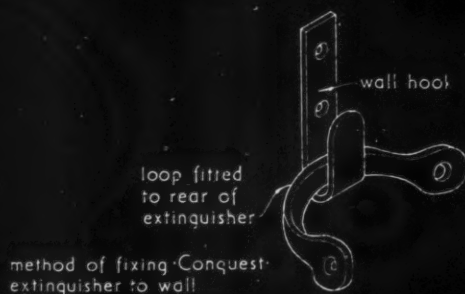
36.B1

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36.B1



ISOMETRIC VIEW OF 'EVERYWAY' HOSE-REEL.



ISOMETRIC VIEW OF 'CONQUEST' EXTINGUISHER.

PYRENE 'EVERYWAY' HOSE-REEL AND CI 'CONQUEST' FIRE EXTINGUISHER.  
 Manufacturer: The Pyrene Company Limited.

## 36.B1 ·PYRENE· FIRE APPLIANCES

This Sheet describes two types of fire appliance—the ·Pyrene Everyway· hose-reel and the ·Conquest· portable soda-acid fire extinguisher. The drawings give the dimensions of the recesses to accommodate both types together with critical dimensions for fixing.

### ·Pyrene Everyway· Hose-reel

**Typical applications:** Theatres, schools, hospitals, municipal and industrial buildings.

**Principle:** The reel, complete with hose, is mounted on a spindle which is fixed to a wall bracket. The water supply passes through the back centre of the reel and through the hose. The hose is controlled by a swivelling roller which permits it to be run out in any direction. The end of the hose is fitted with a shut-off nozzle cock.

**Operation:** Open water control valve with one hand and lift nozzle with the other. Proceed as far as necessary towards the fire, open nozzle cock and direct jet to base of flames. Close nozzle to save unnecessary water damage when fire has been extinguished.

### Construction

**Side discs:** Moulded Bakelite.

**Brackets:** Mild steel, Parkerized.

**Water fittings:** Gunmetal.

**Bolts:** Mild steel, Parkerized.

**Piping between valve and reel:** Steel.

**Swivelling roller:** Gunmetal.

**Hose:** Two-braid corrugated in lengths of 60 ft. to 100 ft. of 1 in. bore, or 60 ft. to 150 ft. of  $\frac{3}{4}$  in. bore.

### Finish

The standard finish of the side discs is mahogany, but they can be supplied primed one coat ready for site painting to any desired colour. The swivelling roller and nozzle cock are chromium plated.

### C1 model ·Conquest· Soda-Acid Fire Extinguisher (2 gallons capacity)

**Typical applications:** Theatres, schools, hospitals, municipal and industrial buildings.

**Principle:** When extinguisher is inverted, chemical reaction takes place and a powerful fire-fighting jet is instantly released. With this design there is no possibility of seeping—i.e., a gradual oozing out of the solution.

**Operation:** Release extinguisher from wall hook and turn it upside down. The jet can be directed at any angle by means of the flexible hose provided. Unnecessary water damage may be avoided simply by turning the extinguisher the right side up again, when the fire has been extinguished.

### Construction

The extinguisher is constructed from 18 s.w.g. steel in accordance with B.S. No. 138, and tested to 350 lb. pressure per sq. in. Approved by the F.O.C.

### Finish

Standard finish cellulosized in fire red with blue and gold label with operating instructions clearly shown in bold lettering.

### Other Types of Soda-Acid Fire Extinguishers

**Model C12:** Similar to C1 model but capacity 10 pints.

**Model C53:** Break bottle type, cylindrical, plunger operated.

**Models C55 and C57 water type:** Operated by CO<sub>2</sub> gas cartridge.

**Model C15:** Operated by a knocker on the side of the extinguisher.

### F.O.C. Requirements

Portable chemical fire extinguishers having an aggregate water capacity of 2 Imperial gallons for each 250 sq. yd. or part thereof but not less than 4 Imperial gallons (e.g., two 2-gallon capacity extinguishers) on each floor: the water capacity of an extinguisher to be not less than 1 Imperial gallon and not more than 3 Imperial gallons.

**Note A:** Chemical fire extinguishers include both the soda-acid type (e.g., ·Conquest·) and the foam type (e.g., ·Phomene·). The soda-acid extinguisher is advised for all ordinary fire risks, and the foam type where oil and spirits are involved.

**Note B:** Special liquid extinguishers (e.g., ·Pyrene· fire extinguishers) are approved by the committee as an alternative to ordinary portable liquid chemical extinguishers on the basis of one special liquid extinguisher in lieu of one 2-gallon ordinary chemical extinguisher, provided at least 50 per cent. of the extinguishers on each floor are of the latter type.

Compiled from information supplied by:

The Pyrene Company, Ltd.

London Office: (Sales and Service Department):  
9, Grosvenor Gardens, S.W.1.

Telephone: Victoria 3401-2.

Telegrams: "Pyrenextin, Sowest, London."

Works: Great West Road, Brentford, Middlesex.

Telephone: Ealing 3444 (14 lines).

Telegrams: "Pyrene, Brentford."

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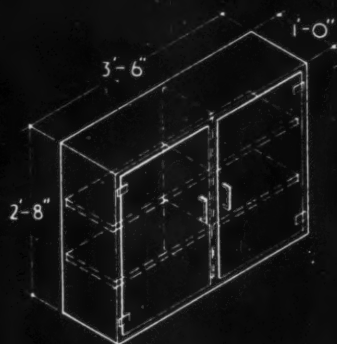
A.A.



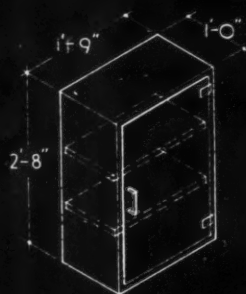


**SPECIALISED FITTINGS | KITCHEN CUPBOARDS****43.E2**

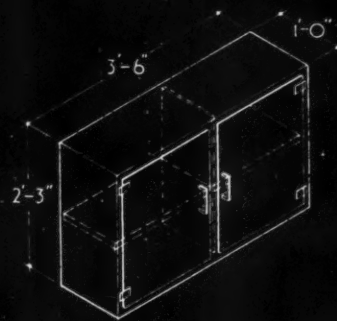
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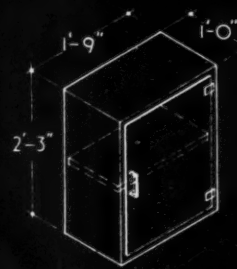
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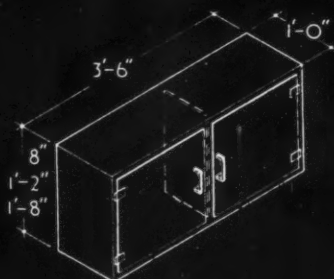
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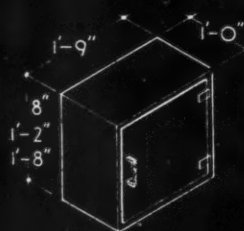
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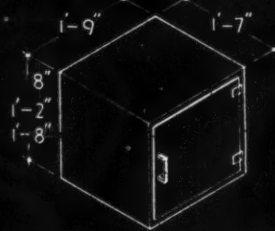
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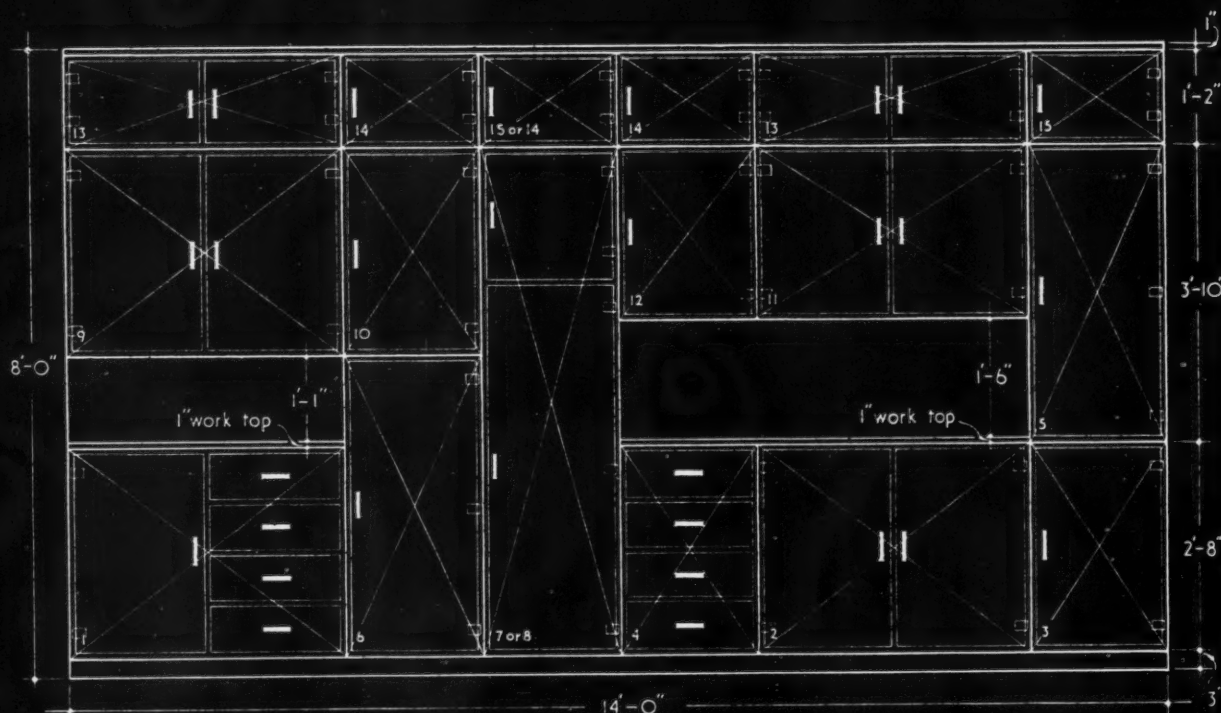
TYPE 13



TYPE 14



TYPE 15



STANDARD KITCHEN CUPBOARD UNITS: WALL MOUNTED TYPES AND TYPICAL GROUPING OF A NUMBER OF UNITS.  
Compiled from information supplied by Austins of East Ham Limited.

#### 43.E2 STANDARD KITCHEN CUPBOARD UNITS: WALL-MOUNTED TYPES AND TYPICAL GROUPING OF A NUMBER OF UNITS

This Sheet is the second of two describing standard kitchen cupboard units. It deals with wall-mounted types and shows a typical grouping of a number of units. The units are classified according to the manufacturer's code numbers. Sheet 43.E1 deals with floor-mounted types.

The description of construction, fittings and finish given on Sheet 43.E1 is also applicable to the units shown on this Sheet.

*Compiled from information supplied by :*

**Austins of East Ham, Ltd.**

Address : East Ham, London, E.6.  
Telephone : Grangewood 3444.  
Telegrams : Austins, East Ham.



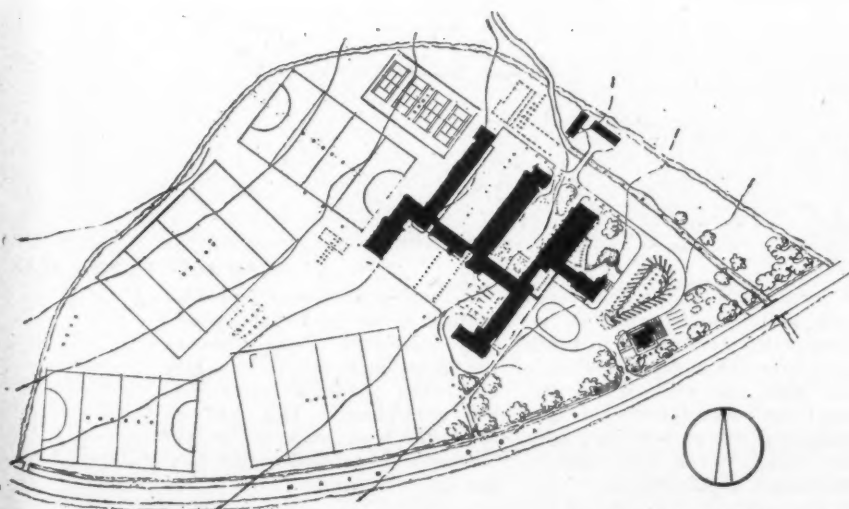
From the south.

# COUNTY COLLEGE

WINNING DESIGN BY  
N. D. AYRES IN THE  
ROYAL NATIONAL  
EISTEDDFOD COMPETITION

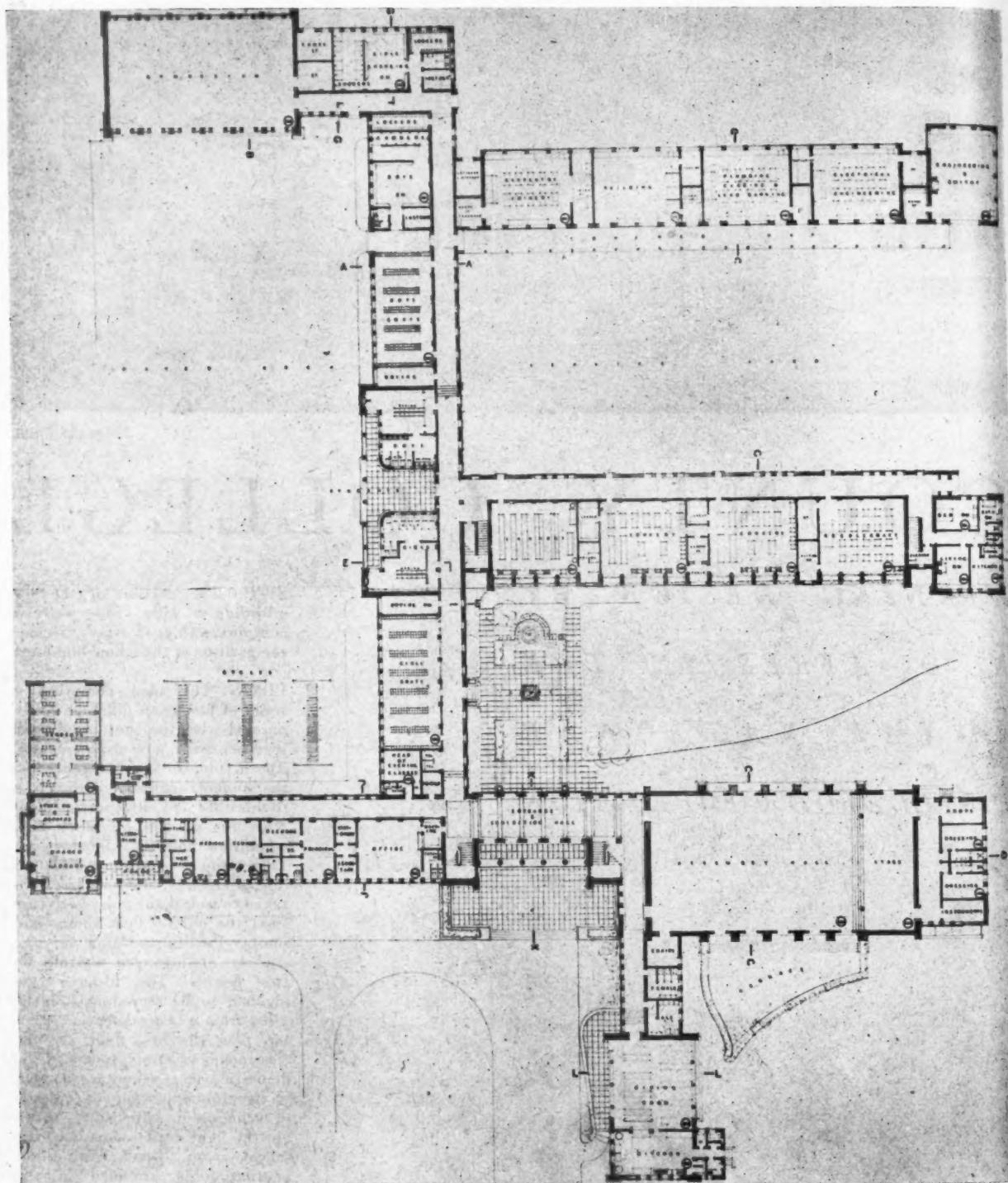
**SITE.**—The portion of the site affording a wide space, suitable contours, and good aspect, decided the position of the school buildings.

**PLAN.**—The plan comprises a series of blocks on different levels, parallel with the contours, linked together with a central corridor. Access from the main entrance and the students' entrance is direct on to this link. The entrance hall combines the purposes of crush hall, exhibition hall and focal point. The various departments are arranged *en suite*, and care has been taken to isolate the noisy activities from the quiet. Coat rooms and sanitary accommodation for the students are arranged centrally on two floors. The libraries are planned to be served and supervised from a central service counter. On the first floor are the classrooms or study rooms. The domestic science rooms are planned on the ground floor for convenience of bringing in supplies. Above are the light craft rooms, and the science room. Good lighting and ventilation is provided in the domestic science block by projecting forward the craft rooms above, thereby providing an anti-sun glare overhang. The supports for the overhang form sun baffle walls. The heavy craft workshops at the rear open on to the service yard, which would also be used for practical building demonstrations. The whole of the southern elevation of the gymnasium is made to open, and faces a paved



SITE PLAN

## THE ROYAL NATIONAL EISTEDDFOD COMPETITION



GROUND FLOOR PLAN

area. Wall bars and other fittings are arranged around the remaining walls, which have windows at a high level. Changing rooms and showers are readily accessible to the playing fields.

**ELEVATIONAL TREATMENT.**  
By the use of contrasting masses

of local stone against light-toned walls and areas of windows, an attempt has been made to break away from the monotony of brick and glass, as well as to impart the atmosphere of the traditional college combined with the modern high standards of educational requirements.

The mono-pitched roof with high vertical glazed back lights above the corridors, supplementing the front light, provides a high and even daylight factor over the work-plane. This has allowed the head room to be kept lower than usual and reduce heat losses.

**WINNING DESIGN FOR COUNTY COLLEGE**





**GOD FORGIVE YOU FOR GALLOPING WHEN TROTTING'S NOT A SIN** *(Scottish Proverb)*

If that were the reaction to the industrial developments of the last decade or two there'd be very little sympathy for Reynolds. Light alloys have been known for quite a while but only in recent years have they really come into their own. Since the Reynolds Companies were founded, we have galloped (God forgive us) so fast that our extrusions, tubes, sheet and strip have become household words in many industries. They still provide numerous opportunities wherever lightness and strength are required to gallop in double harness.

**Reynolds**

ALUMINIUM AND  
ALUMINIUM ALLOYS

EXTRUSIONS, TUBES, SHEET & STRIP TO ALL A.I.D., B.S./S.T.A., AND B.S. SPECIFICATIONS

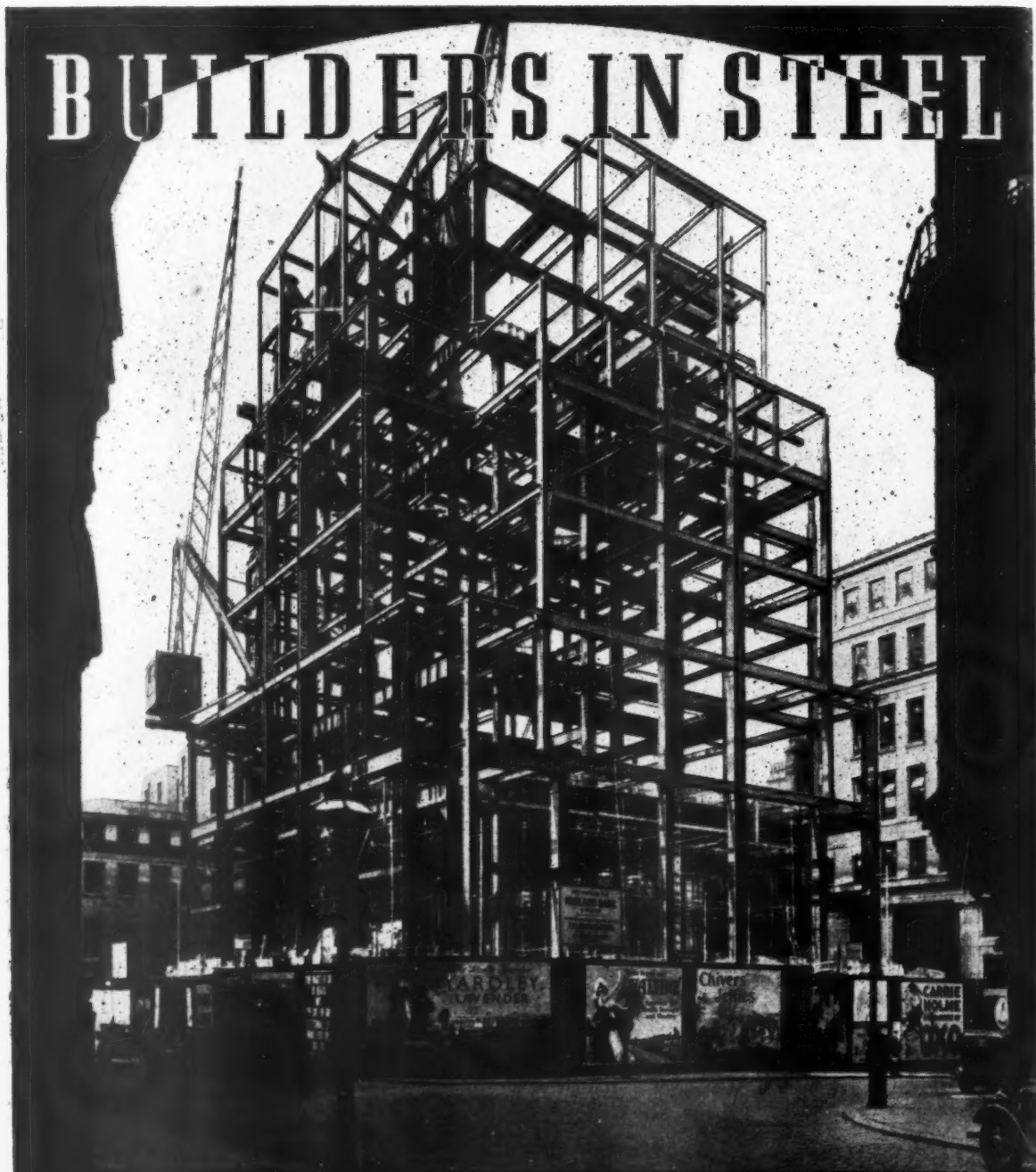
REYNOLDS ROLLING MILLS LTD.



REYNOLDS LIGHT ALLOYS LTD.

Hay Hall Works, Tyseley, Birmingham. Telephone: Acoc's Green 3333

# BUILDERS IN STEEL



*The Reconstruction of the Future will  
need Our Experience of the Past*

## RUBERY, OWEN & CO LTD

DARLASTON

SOUTH STAFFS

LONDON: IMPERIAL BUILDINGS, 56, KINGSWAY, W.C.2.  
COVENTRY: BRITANNIA WORKS, PAYNES LANE.  
MANCHESTER: 78, KING STREET.



BIRMINGHAM 3: LOMBARD HOUSE, GT. CHARLES STREET.  
SOUTHAMPTON: SUN BUILDINGS, OGLE ROAD  
WREXHAM: WHITEGATE







INFORMATION CENTRE • INFORMATION SHEETS  
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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.

#### 4.40 planning: urban and rural GLENROTHES NEW TOWN

*Draft New Town (Glenrothes) Designation Order, 1948: Memorandum by the Secretary of State for Scotland. Department of Health for Scotland. (HMSO, 1948. 6d.)*

Memorandum issued in order to explain to the general public and to those directly affected, reasons for proposing development of new town in area designated. Informative statement, illustrated by two maps.

The proposal to establish a new town at Glenrothes results from the Government's plan to develop the resources of the Scottish coalfields and to increase Scottish coal production. In view of the serious decline in output of the Lanarkshire coalfields an expansion in other coalfields has become a matter of great urgency, and areas selected for such expansion include the coalfields of Fife, Clackmannan, and the Lothians. The area designated for the new town at Glenrothes lies within the East Fife coalfield area, the development of which will eventually lead to the doubling of the present mining population.

Based on recommendations contained in the 1944 Report of the Scottish Coalfields Committee (Cmd. 6575), it is suggested that miners should be housed away from the collieries and should have the advantage of living in a mixed community side by side with members of other trades and occupations. In order to arrive at a reasonably balanced mixed community it is proposed that the proportion of miners to other population should be not more than about 1 in 8 or 1 in 9. On this basis the new community would have a population of 30,000.

The site for the proposed new town should satisfy amongst others the following requirements:—(1) it must be sufficient in area to ensure that houses, factories, shops, public buildings, schools, playing fields, etc., can

be grouped in accordance with modern planning principles, and to enable a green belt to be provided round the built-up area of the town; (2) it must be within reasonable distance of the main centres of mining development and have good road and rail communications; (3) it must be capable of being readily supplied with water, drainage and power and be advantageously situated for industrial development. The area designated for the new town fulfils these requirements, as is explained in the memorandum, which also gives careful consideration to the effect of the proposed new town development on agriculture within the district.

#### 5.24 planning: public utilities TRAFFIC SURVEYS

*Traffic Surveys: Practical Methods for Planners and Road Engineers. R. B. Hounsfield. (Gilbert Wood & Co., Ltd., for Architect and Building News. 1948. 3s. 6d.)*

Useful and practical guide to various aspects of traffic surveying. Purposes and types of surveys. Collection, analysis, and presentation of data. Illustrated by diagrams, charts, tables, maps, and photographs. Bibliography.

The flow of traffic and its volume and direction influence many phases of physical planning. To determine the extent of such influences it is almost always necessary to undertake a traffic census. It is the purpose of this comprehensive booklet to outline the required survey technique and to show that the taking of a traffic census need not necessarily be undertaken by large public bodies with unlimited funds at their disposal, but may well be carried out successfully by smaller groups with restricted personnel and financial resources.

In an introductory chapter the author discusses certain advantages inherent in the taking of a simple census, possibly augmented by subsidiary censuses, as compared with taking an unnecessarily elaborate one. He then goes on to analyse certain purposes and types of traffic surveys. The volume of traffic has a direct bearing on the life of a road and its foundation; on the cost to be borne by highway authorities which depends on the through-traffic importance of the road, and on decisions regarding traffic control, speed limits, 2weight restrictions, and alternative routes. Types of surveys include origin-and-destination censuses by various methods; parking surveys divided into a cordon count to assess the total daytime increase in vehicles in an area over the night figure, and into a local survey of parked and waiting vehicles and the garage and kerb-side facilities for coping with them; accident records in a district; surveys on the behaviour of pedestrian traffic; and surveys of the capacity of traffic routes in connection with the movement of freak loads.

The carrying out of all these types of surveys can be greatly assisted by utilizing existing information contained in a variety of censuses prepared by the Ministry of Transport and the Police. Data relating to this aspect are recorded in the booklet, together with detailed information on the preparation of survey work, including pilot surveys and staff requirements, on the regis-

tration and analysis of data obtained from an origin-and-destination survey, and on the methods and techniques of presenting survey results visually.

Planning aspects in relation to other forms of transport such as railway layouts, gauges and traffic, and ports and canals are also discussed, and a final chapter is devoted to the problem of traffic forecasting, with some indication of methods used to assess future volumes of traffic.

Altogether this is a most informative treatise on a subject of great importance to the planner, and one on which general outline guidance has not been readily available.

#### 12.22 materials: metal ANODIZING ALUMINIUM

*Anodic Oxidation of Aluminium and Its Alloys. ADA Information Bulletin No. 14. (Aluminium Development Association. 1s.)*

Comprehensive well produced publication, with coloured plates and tables on the formation of anodic film on aluminium, the effects of alloying elements is discussed, also the problems of anodizing castings.

After a description of the preparations necessary for anodizing, the three main processes using chromic acid, sulphuric acid or oxalic acid are compared together with the differences of film which they each produce on the metal.

A large section of the booklet deals with the dyeing of anodized aluminium, comparing results achieved with the three main processes of anodizing, and discussing suitable dye stuffs, and including also descriptions of dyeing with inorganic salts and the production of special effects such as direct printing and photographic processes.

In conclusion, the general characteristics of anodic films are described, together with the process of electrolytic brightening.

#### 16.34 materials: miscellaneous GEOLOGY

*Geology Applied to Building and Engineering. Arthur Bray. (Sir Isaac Pitman & Sons Ltd. 1948. 18s.)*

Brief explanation of classification of rocks followed by chapters on each main class, including brickwork clays. Also chapter on water supply as affected by geology, materials used in paints, asbestos and bitumen.

A book dealing with geology related particularly to building and engineering might have been a most useful addition to the list of publications on building materials. The present work certainly gives a good general picture of the geology of this country, and is interesting on that account, but it fails in its main purpose of relating the geology to building, not so much by error as by omission.

The chapter on limestones is an example. This opens with a statement which gives the impression that limestones are seldom suitable for use in town buildings. A later very brief reference to Portland stone only slightly corrects this, and there is no real description of the value of Portland or other limestones as facing materials, nor of the peculiar weathering patterns they produce.

In the general chapter on weathering of stone the information is also very sketchy; for example, there is no reference to saturation coefficient in connection with frost resistance.

The chapter dealing with water supply is interesting and rather more useful, but other information is often scattered and insufficiently detailed, as when it is stated that different stones give varying possibility in the sizes obtainable without any guide as to what sizes can be had in each type.

One is therefore reluctantly driven to the

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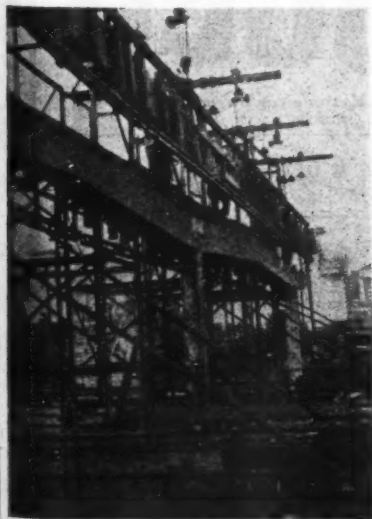
conclusion that what might well have been a most useful book has some degree of interest to the geologically minded, but not enough of value to architects and engineers to encourage them to accept the geology in the process of gaining directly applicable practical information.

#### 20.91 construction: complete structures R.C. FISH MARKET

*Reconstruction of Fish Market, Lowestoft. (Civil Eng. & Public Works Review, July, 1948, pp. 344-6.)*

Reinforced concrete structure with cast in situ main frames and precast purlins. Roof cover: reinforced asbestos cement troughings laid to an overall transverse slope of only 4 degrees.

The article describes the rebuilding of the Fish Market at Trawl Dock (270 ft. long, 69 ft. wide) and part of Waveney Dock, Lowestoft, the timber covering of which was damaged during the war. Both the design and the method of construction contain many interesting features. The main frames of the Waveney Dock are spaced at 15 ft. centres. The transverse beams have one or two inner spans of 30 ft. and two cantilevers each. The cantilevers of the single-span frames are 10 ft., those of the two-span frames 8 ft. 6 in. Generally, the columns were constructed two or three bays ahead of the transverse beams. The shuttering for the transverse beams was made in two halves, secured by bolts, with a joint along the centre line of the bottom board. The beam box was suspended from a travelling steel gantry. A complete cage of reinforcement for a whole beam was assembled on the ground, hoisted on to the scaffold, and deposited into the beam box. Each beam was generally concreted in the afternoon and the sides of the box freed next morning. It was then possible to move the two halves of the box to the position required for the next beam. By this means a complete transverse beam was concreted each day. This procedure was maintained throughout the winter 1947-1948. Equipment for heating both the aggregate and water was available on the site for use in case of severe frost.



Cast in situ reinforced concrete. See 20.91.

#### 21.21 construction: miscellaneous ROOF SLATING

*Roof Slating. Draft BS. C. of P. Sub-Code 142:101. (British Standards Institution. 4s.)*

This code, prepared by a committee of the RIBA, is issued at present as a draft for

comment, and is a companion volume to the sub-code *Roof-Tiling* already issued in draft form. The code deals with both natural and asbestos cement slates, and with boarding, felting, battening, and size of slates and the gauge for laying them; with methods of nailing, and with the problems of roof drainage.

#### 24.97 lighting DAY LIGHTING & TOWN PLANNING

*Official Restrictions on Urban Obstruction. Parts I and II. P. J. Waldram. (Arch. & Building News, Aug. 6, p. 120, and Aug. 13, p. 140.)*

Comparison old and new standards of daylighting for schools; suggested modifications to urban restrictions. Control of Urban Redevelopment.

*An Examination of Current Proposals. (P. J. Waldram. (Journal RIBA, Aug., 1948, p. 462.)*

Criticisms and suggested modifications of urban restrictions. Short, illustrated.

Owing to the similarity of viewpoint it is convenient to review these together. The reference to school lighting contains the now familiar plea that the standards in the regulations are set so high that children's eyesight may now be prejudiced by too much light. Correspondence in the A & BN for Aug. 27 claims that the new standards involve a negligible increase for those near windows, so that if there is any danger of over-lighting, the old standard did not prevent it. It is claimed that the regulations make multi-storey schools impossible, and that top-lighting, which is now a recognised practice, was once forbidden by the old Board of Education.

The article on the proposed urban restrictions is inspired by the Ministry of Town & Country Planning's Manual on urban development, which is described as a "directive" which makes the proposals "obligatory." This must surely be an error, for the manual seems very clear that this is not the case. If there is any doubt on the point it should be cleared up by the Ministry at once.

The author claims that the proposals themselves contain "many and fundamental errors," but says that "a small modification renders the new method precise, feasible and not very unjust." This appears to refer to a change in the angle of restriction, and reference to a no-sky line for a standard instead of a particular daylight factor. The idea of open planning which lies behind the new proposals is commended.

#### 28.7 miscellaneous SCIENTIFIC INFORMATION SERVICES

*The Royal Society Scientific Information Conference. J. D. Bernal, D. Chadwick, J. E. Holmstrom, and H. Munro Fox. (Nature, August 21, 1948, pp. 279-286.)*

Report of very important conference held by Royal Society in London during June 21-July 2, 1948, in order to examine possibilities of improving existing methods of collection, indexing, and distribution of scientific literature and of extension of existing abstracting services.

The urgency of the problems investigated by the conference arises from the fact that the yearly output of scientific literature is estimated to total anything up to one million published items apart from the unpublished material multiplying within every scientific establishment. Improvements for existing arrangements were discussed under the following four main headings:—(1) publication and distribution of papers reporting original work; (2) abstracts and abstracting journals; (3) indexing and other library

services; (4) critical reviews and annual reports.

The conference arrived at a number of important conclusions and suggested far-reaching improvements, a concise summary of which is contained in this fairly detailed review of the proceedings.

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### QUESTIONS AND ANSWERS

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## Announcements Buildings Illustrated

Messrs. Musgrave & Co. Ltd., St. Ann's Works, Belfast, announce that the telephone number of their Newcastle-upon-Tyne branch is now Newcastle-upon-Tyne 26311.

The following members of the Polytechnic School of Architecture, Surveying and Building, Department of Town and Country Planning, have been awarded the Diploma in Planning in July, 1948:—*Distinction*: E. C. Francis, A.R.I.C.S., R. A. Pistorius, DIP. ARCH. (RAND.), M.I.A., J. K. M. Sander-son, B.A. (ARCH.), A.R.I.B.A. *Pass*: F. Andrassy, A.M.I.M.U.E., W. W. Chapman, A.R.I.B.A. (subject to submission and approval of thesis), E. Felce (Miss), A. C. Garwood, L.R.I.B.A., R. J. Harris, A.R.I.B.A., K. I. Joseph, H. Perry, A.R.I.C.S., C. E. Plews, A.R.I.B.A., F. Rawson, A.M.I.M.U.E., R. E. Reed, A.R.I.B.A., R. Rosner, A.R.I.B.A., E. G. Sames, A.R.I.C.S., S. K. Sturdy, A.R.I.C.S., R. D. Thornley, A.R.I.B.A., C. E. D. Wooster, A.R.I.B.A. The Head of the school is Mr. John S. Walkden, F.R.I.B.A., M.T.P.I., F.R.I.A.S.; Senior Assistant for Planning: Donald A. Shears, D.T.P. (LOND.), A.M.T.P.I.

At the September meeting of the Council of the National Federation of Building Trades Employers, Mr. Norman Longley was elected Senior Vice-President. He will therefore be the Council's nominee for the presidency for 1949. Mr. Longley has been a Vice-President of the National Federation since 1947 and is a former President of the Southern Counties Federation.

A new £50,000 foundry and works capable of increasing the monthly production of castings from 150 to 600 tons has been opened in Sunderland by the Wear Winch and Foundry Company. The foundry covers 29,000 sq. ft., and will enable the firm to make castings of up to 25 tons.

Terrace Houses and Flats at Hackney for Metropolitan Borough of Hackney (pages 309-315). Architect, Graham Dawbarn, F.R.I.B.A.; Senior Assistants, Alexander Gibson, A.R.I.B.A., R. E. Pethybridge, A.R.I.B.A. General Contractor, J. M. Hill & Sons, Ltd. Sub-contractors: Bricks, Marston Valley Brick Co., Ltd.; artificial stone, Empire Stone Co.; structural steel, George Wright (London), Ltd.; fireproof construction, Siegwart Fireproof Floor Co., Ltd.; tiles, Henry J. Greenham (1929), Ltd.; partitions, J. H. Sankey & Son, Ltd.; glass, Aygee, Ltd.; woodblock flooring, Hollis Bros. & Co., Ltd.; patent flooring, Val-de-Travers; grates, J. Young & Co.; gasfitting, The Gas Light & Coke Co.; electric wiring, Electricity Department, Metropolitan Borough of Hackney; electric light fixtures, The Benjamin Electric, Ltd.; ventilation, British Trane Co., Ltd.; sanitary fittings, John Bolding & Sons, Ltd.; door furniture, Nettlefolds & Sons, Ltd.; casements, John Thompson (Beacon) Windows, Ltd.; rolling shutters, Haskins Roller Shutters; plaster, W. A. Telling, Ltd.; metalwork, George Wright (London), Ltd.; joinery, Merchant Trading Co., Ltd.; tiling, Carter & Co. (London), Ltd.; water supply, Metropolitan Water Board; signs, The Lettering Centre; paint, Leyland Paint & Varnish Co., Ltd.; fencing, Durafencing, Ltd.; coal bins, Fred Braby & Co., Ltd.; fluted asbestos and flower boxes, Turners Asbestos Cement Co., Ltd.

Following are the names of the architects, consulting engineers, contractors and sub-contractors for the *Passenger Office for Cunard White Star, Ltd., Regent Street, London*, published in our last issue, pages

287-289. Architects, Willink & Dod, F.A.R.I.B.A. Consulting Engineers, Hurst, Peirce & Malcolm, M.M.INST.C.E. Plaster Relief Figure, Heraldic Crests, Suspended Map Panel, External Decorative Features and Lettering, designed and executed by Gordon Herick. General contractors, Waring & Gillow, Ltd. Sub-contractors: Lifts, Messrs. Pickering; ventilation, Brightside Foundry & Engineering Co. Ltd.; decorative flooring, Korkoid Ltd. and Semtex Ltd.; shop front, Harris & Sheldon Ltd.; marble work, Walter Jenkins & Co. Ltd.; revolving doors, Colmans-van Kannel; electric fittings, Troughton & Young Ltd.; acoustic wall treatment, May Acoustics Ltd.; acoustic ceiling treatment, Horace W. Cullum Ltd.; decorative metalwork, Comyn Ching & Co.; decorative glasswork, London Sand Blast Decorative Glass Works; sanitary fittings, Shanks & Co.

## Obituary

Mr. William Robert Blair, who has died at his home in Cambuslang, Glasgow, had been chairman of the British Ironfounders' Association, the British Bath Manufacturers' Association, Ltd., and the National Light Castings Ironfounders' Federation since 1930. His connection with the light castings industry began in 1919, when he was appointed assistant secretary of the National Light Castings Ironfounders' Federation. He was appointed secretary two years later, and he assumed progressively increasing responsibilities in connection with the three organisations until his appointment as chairman. During the Second World War he served for a time with the Iron and Steel Control.

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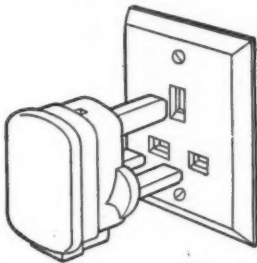
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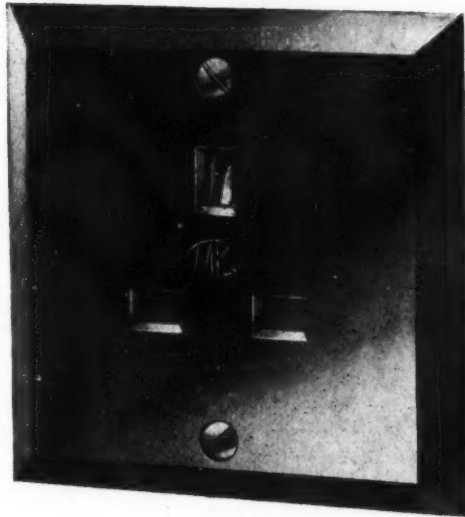


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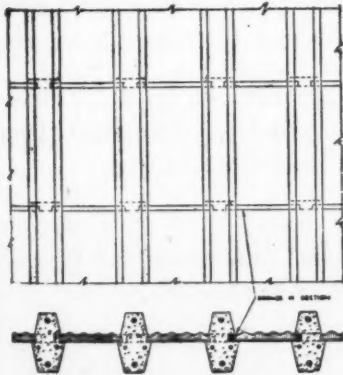
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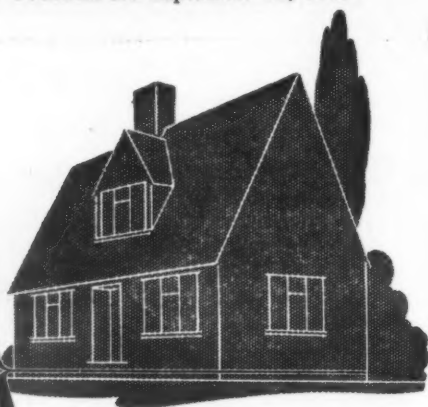


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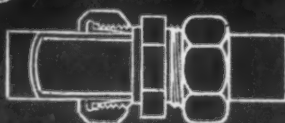
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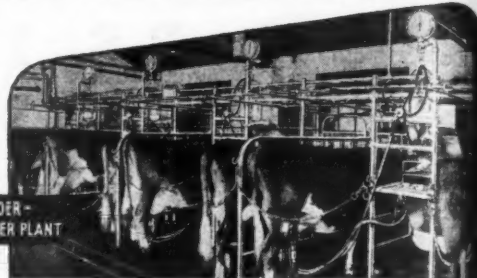
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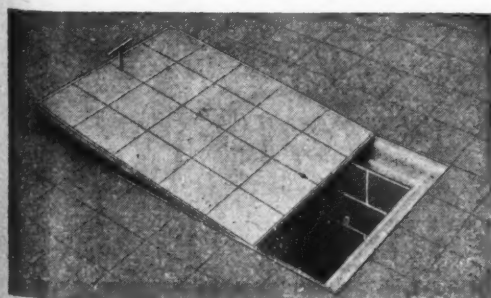
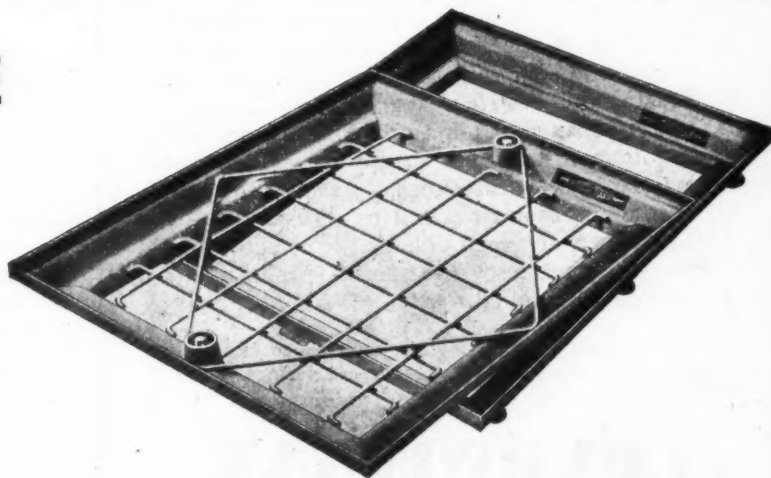
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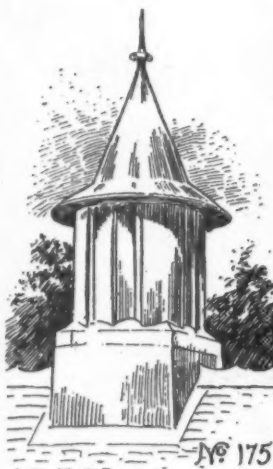
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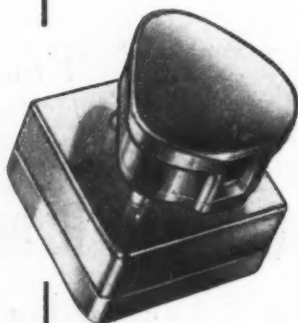
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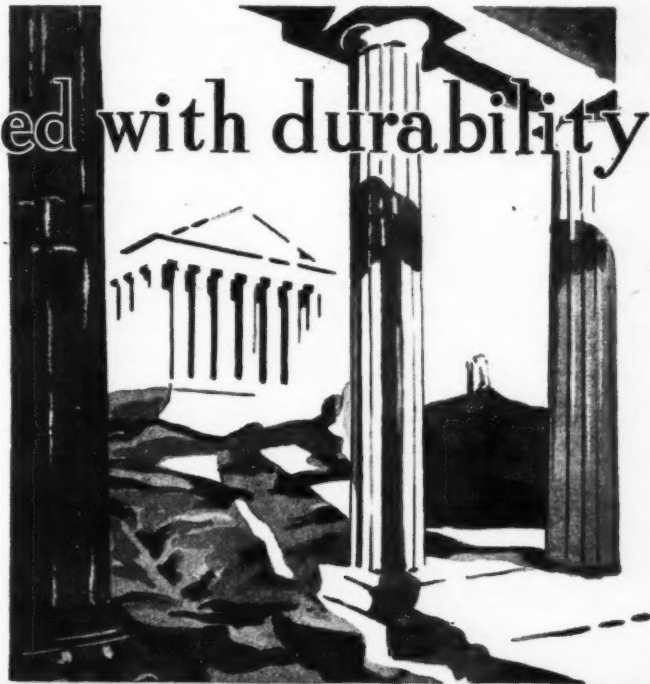


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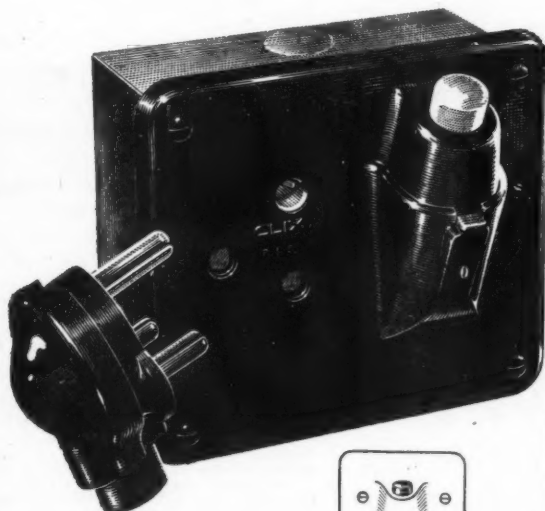
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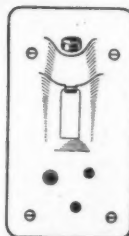
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## CLASSIFIED ADVERTISEMENTS

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

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

None of the vacancies in these columns relates to a man between the age of 18 and 50, inclusive, or a woman between the age of 18 and 40, inclusive, unless he or she is excepted from the provisions of the Control of Engagement Order, 1947, or the vacancy is for employment excepted from the provisions of that Order.

## Public and Official Announcements

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

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. ADDRESS: EMPLOYMENT REGISTER, WREN PARK, WHYTELEAF. Tel.: Uplands 0935. 991

### DEVON COUNTY COUNCIL.

Applications are invited for the following appointments on the permanent establishment of the County Architect's Department, at consolidated salaries, in accordance with the grades of and subject to the Scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional and Technical Services.

(a) ONE ASSISTANT ARCHITECT, A.P.T., Grade VI. Commencing salary £595 p.a., rising by three annual increments (£20×£20×£25) to £660 p.a.

(b) TWO ASSISTANT ARCHITECTS, A.P.T., Grade V. Commencing salary £530 p.a., rising by three annual increments (£15×£15×£20) to £570 p.a.

(c) TWO ASSISTANT ARCHITECTS, A.P.T., Grade I. Commencing salary £390 p.a., rising by three annual increments (£15×£15×£15) to £435 p.a.

Candidates for (a) and (b) must be Associates of the Royal Institute of British Architects, and possess a sound experience in the design and maintenance of all types of buildings carried out by a large local Authority; they must be fully conversant with the Building Regulations of the 1944 Education Act, and the Regulations for Police Buildings; and possess organizing ability and experience in the management of building contracts.

For (c) candidates must have a good training in architecture, and preference will be given to those who have passed the Intermediate examination of the Royal Institute of British Architects.

Applications, stating age, qualifications, and experience, accompanied by not more than three recent testimonials, should be sent to the County Architect, 97, Heavitree Road, Exeter, not later than Friday, the 15th October, 1948. No forms of application will be issued.

The appointments will be subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, 1937.

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

H. A. DAVIS,

Clerk of the County Council.

The Castle, Exeter.

10th September, 1948.

1000

### COUNTY BOROUGH OF BARNSLEY. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:

(1) SECOND ARCHITECTURAL ASSISTANT, Grade A.P.T., V. £520 per annum, rising by annual increments (two of £15 and one of £20) to £570 per annum.

(2) SECOND PLANNING ASSISTANT, Grade A.P.T., IV. £480 per annum, rising by annual increments of £15 to £525 per annum.

The appointments are subject to the Local Government Superannuation Acts and the Corporation's Staff Conditions of Service. The successful candidates will be required to pass a medical examination, and the appointments will be subject to one month's notice on either side.

For appointment (1) candidates must be Registered Architects, and preference will be given to those who are Associates of the Royal Institute of British Architects.

For appointment (2) preference will be given to candidates who are Associate Members of the Town Planning Institute and who have had planning experience in Urban Areas.

Applications, stating age, qualifications, past and present appointments, with details of experience, together with copies of not more than three recent testimonials, suitably endorsed, are to be delivered to the Borough Engineer, Town Hall, Barnsley, not later than Friday, 1st October, 1948.

Canvassing in any form will be deemed a disqualification.

A. E. GILFILLAN,

Town Clerk.

Town Hall, Barnsley.

September, 1948.

1803

### BURGH OF KILMARNOCK. BURGH ARCHITECT AND TOWN PLANNING OFFICER'S DEPARTMENT.

Applications are invited for the following appointments in:

(1) BURGH ARCHITECT'S DEPARTMENT: (a) SENIOR ARCHITECTURAL ASSISTANT, Salary, Grade A.P.T., V (£520×£15×£15×£20 to £570).

(b) ARCHITECTURAL ASSISTANT, Salary, Grade A.P.T., III (£480×£15×£15×£15 to £495).

(c) JUNIOR ARCHITECTURAL ASSISTANT, Salary, Grade A.P.T., I (£390×£15×£15×£15 to £435).

(2) TOWN PLANNING DEPARTMENT: PLANNING ASSISTANT, with Surveying experience, Salary, Grade A.P.T., III (£480×£15×£15×£15 to £495).

The above salary scales are inclusive of war bonus, which has now been consolidated with the salary.

Applicants for posts (a) and (b), Architect's Department, should have had previous Municipal and Housing experience, and preference will be given to candidates with professional qualifications.

Membership of the Town Planning Institute is desirable for appointment of Planning Assistant, and applicants should have had previous experience in a planning department.

Applicants must not exceed 45 years of age unless they are already contributory employees under the Local Government and Other Officers' Superannuation (Scotland) Act, 1937, but those who have been on war service may, if necessary, deduct the period of such service from their present age to satisfy the conditions as to age limit.

The persons selected for appointment will be required to pass a medical examination, and on satisfying this condition will become contributory employees under the above-mentioned Act.

Applications, accompanied by one copy of each of three recent testimonials, and giving full details of age, qualifications, experience and previous appointments held, and stating post for which application is being made, should be lodged with N. S. Sutherland, F.I.A.A. & S., Burgh Architect and Town Planning Officer, 11, London Road, Kilmarnock, not later than 10 a.m. on Monday, 4th October, 1948.

Council Chambers, Kilmarnock.

11th September, 1948.

1805

### 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-story 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. (570).

1032

### WEST SUFFOLK COUNTY COUNCIL.

Applications are invited for the appointment of QUANTITY SURVEYOR, in the County Architect's Department, on A.P.T. Grade VI (£595-£660). Position on scale according to qualifications.

Travelling allowance in accordance with County Scale.

Candidates should have experience in the preparation of Bills of Quantities, estimates and valuations, and settlement of accounts.

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

The successful candidate will be required to pass a medical examination.

Forms of application may be obtained from the undersigned, by whom applications, accompanied by three recent testimonials, should be received not later than Tuesday, 6th October, 1948.

L. G. H. MUNSEY,

Clerk of the County Council.

Shire Hall, Bury St. Edmunds

1809

### CITY OF GLOUCESTER.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT. Salary in accordance with Grade V of the A.P.T. Scales (£520-£570).

Applicants should have experience of Local Authority buildings, and must be Registered Architects, preferably members of the R.I.B.A.

The selected candidate will be required to pass a medical examination, and the appointment will be subject to one month's notice on either side; the provisions of the Local Government Superannuation Act and the National Scheme of Conditions of Service for Local Government Officers will apply.

Applications, stating age, training, qualifications and experience, and enclosing copies of three recent testimonials, should be sent to A. Morgan, City Architect, Suffolk House, Greyfriars, Gloucester, not later than the 15th October, 1948.

1824

### BOROUGH OF SLOUGH.

Applications are invited for the following permanent appointments:

(1) SENIOR ASSISTANT ENGINEER, within Grade A.P.T., VI, of the National Scales, at a consolidated commencing salary of £595 p.a., rising, on satisfactory service, by two annual increments of £20 and one of £25 to a maximum of £660 p.a. Candidates should have previous experience in the supervision of technical and drawing office staff and the organization of an Engineer and Surveyor's department. They should have passed the Testamur examination of the Institution of Municipal Engineers and/or the Associate Membership examination of the Institution of Civil Engineers.

(2) ASSISTANT ENGINEER, within Grade A.P.T., IV, of the National Scales, at a consolidated commencing salary of £480 p.a., rising, on satisfactory service, by annual increments of £15, to a maximum of £525 p.a. Preference will be given to applicants who hold the Testamur of the Institution of Municipal Engineers and/or who are Associate Members of the Institution of Civil Engineers.

(3) ASSISTANT ENGINEER, within Grade A.P.T., III, of the National Scales, at a consolidated commencing salary of £450 p.a., rising, on satisfactory service, by annual increments of £15, to a maximum of £495 p.a. Preference will be given to applicants who have passed a substantial portion of the Testamur examination of the Institution of Municipal Engineers and/or the Associate examination of the Institution of Civil Engineers.

(4) GENERAL ASSISTANT ARCHITECT, within Grade A.P.T., IV, of the National Scales, at a consolidated commencing salary of £480 p.a., rising, on satisfactory service, by annual increments of £15 p.a. to a maximum of £525. Candidates should be registered Architects and have had previous experience with a local authority. Preference will be given to applicants who have passed a substantial portion of the examinations of the Royal Institute of British Architects.

Applications for appointment (1) must be made on forms obtainable from the Borough Engineer, Mr. E. Gardner Thorp, M.I.C.E., Town Hall, Slough.

Applicants for appointments (2) and (3) must give details of experience in highways, sewerage and surface water drainage, and general civil engineering works in a Municipal department, and state age, marital state, qualifications, technical training, present and previous appointments, with dates.

Applicants for appointment (4) must give details of experience in housing, Municipal building design and general building construction, and state age, marital state, qualifications, technical training, present and previous appointments, with dates.

All applicants must give the names of two Engineers or Architects (whichever is appropriate) to whom reference can be made.

All the appointments will be subject to (i) the provisions of the Local Government Superannuation Act, 1937, (ii) the National Scheme of Conditions of Service, (iii) the satisfactory passing of a medical examination by the successful applicant, and (iv) termination by one month's notice on either side.

Applications in sealed envelopes, endorsed "Senior Assistant Engineer," "Assistant Engineer, Grade IV," "Assistant Engineer, Grade III," or "General Assistant Architect" as the case may be, must reach the undersigned not later than first post on Monday, 11th October, 1948.

Candidates must, when making application, disclose in writing whether to their knowledge they are related to any member or senior officer of the Council.

Canvassing, directly or indirectly, will disqualify.

NORMAN T. BERRY,

Town Clerk.

Town Hall, Slough.

17th September, 1948.

1823

### COUNTY BOROUGH OF DONCASTER.

#### SENIOR ARCHITECT.

Applications are invited for the appointment of a Senior Architect, in the Borough Engineer's Department.

Candidates must be qualified architects, and are required to supervise the whole of the architectural works carried out in the department, together with the Technical Works Department section.

The salary will be in accordance with the National Joint Council Scheme of Conditions of Service, Grade VI (£595-£660 per annum).

Applications, stating age, experience, qualifications, and other relevant details, accompanied by copies of two recent testimonials, must be delivered to the Borough Surveyor not later than Friday, the 8th October, 1948.

H. S. ESSENHUGH,

Town Clerk.

1. Priory Place, Doncaster.

1853

### HERTFORDSHIRE COUNTY COUNCIL.

#### COUNTY ARCHITECTS' DEPARTMENT.

Applications are invited for the following appointments:

SENIOR ASSISTANT QUANTITY SURVEYORS, Grade VI, £595-£660.

ASSISTANT QUANTITY SURVEYORS, Grade V, £520-£570.

Applicants need not have had previous Local Government experience.

Applications, together with three references, should be received by the County Architect, County Hall, Hertford, Herts., not later than Saturday, 9th October, 1948.

1864



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

**ASSISTANT PLANNING OFFICER.**  
Applications are invited for the appointment of Assistant Planning Officer, in the County Architect and Planning Officer's Department. Salary scale, A.P.T., V, £260-£510 per annum, plus cost-of-living bonus, at present £60. The appointment will be subject to the provisions of the Local Government Superannuation (Scotland) Act, 1937.

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

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

R. WALLACE,  
County Clerk.

County Buildings, Ardrross Street, Inverness. 1971

## BOROUGH OF NUNEATON.

### BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

#### APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT, on the staff of the Borough Surveyor, at a salary in accordance with Grade A.P.T., III, of the National Scale of Salaries.

Applicants should have passed the Intermediate examination of the Royal Institute of British Architects, or hold an equivalent qualification, and have general knowledge and experience of architectural work.

Further particulars and form of application may be obtained from the undersigned, by whom all applications must be received not later than Saturday, 23rd October, 1948.

T. OLDROYD,  
Town Clerk.

Council House, Nuneaton.  
September, 1948. 1976

## MIDDLESBROUGH EDUCATION COMMITTEE.

### APPOINTMENT OF ARCHITECT TO THE EDUCATION COMMITTEE.

Applications are invited for suitably qualified Architects for the appointment of Education Architect on the permanent staff of the Education Committee, at a minimum salary of £800, rising by £50 per annum to maximum of £900, plus bonus, at present £60.

Applicants should have had suitable architectural experience, experience in the maintenance of buildings, and be fully competent to design and supervise the erection of modern school buildings.

The successful candidate will be expected to serve with the authority for at least three years.

Forms of application and particulars of the appointment may be obtained from the Director of Education, to whom completed applications must be returned within 14 days of the appearance of this advertisement.

E. C. PARR,  
Town Clerk.

## NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.

Applications are invited for the permanent appointment of SENIOR QUANTITY SURVEYOR, on the Headquarters Staff of the Board. Candidates must be members of the Royal Institute of Chartered Surveyors, and should have had wide experience of the preparation of Estimates, Specifications and Bills of Quantities, of measuring variations and of the checking of final accounts. Salary will be £750 per annum, rising by annual increments of £25 to £860 per annum.

Applications, marked "Senior Surveyor," should state: (1) Name and address (2) age, and whether married; (3) professional qualifications; (4) past appointments; (5) present appointment and salary; (6) experience; (7) war service; (8) date available if appointed. Name and addresses of three referees should be given, and applications should be received not later than 15th October, 1948, addressed to the Secretary to the Board, "Dunira," Osbourne Road, Newcastle-upon-Tyne, 2. 1973

## MONTGOMERYSHIRE COUNTY COUNCIL.

### COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the post of ARCHITECTURAL ASSISTANT on the permanent staff. Salary in accordance with Grade II of the Administrative, Professional and Technical Division of the National Joint Council Scale (£420×£15-£465). The appointment is subject to:—

(a) A medical examination for the purpose of the Local Government Superannuation Act, 1937, and

(b) the Scheme of Conditions of Service prescribed by the National Joint Council for Local Authorities' Administrative, Professional Technical and Clerical Services. Candidates should have passed the Intermediate examination of the R.I.B.A. and have had general experience in design and construction, or have reached an equivalent standard. Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than Monday, 11th October, 1948. Canvassing, directly or indirectly, will be a disqualification.

P. E. WHITE,  
Clerk of the County Council.

County Offices, Welshpool.  
21st September, 1948. 1869

## WELWYN GARDEN CITY DEVELOPMENT CORPORATION.

The above Corporation invites applications for the appointment of an experienced LANDSCAPE ARCHITECT. Applicants should state salary desired.

Preference will be given to applicants who are Members or Associate Members of the Institute of Landscape Architects or a similar professional body.

Applicants must have had all-round experience in the preparation and carrying out of planting schemes for street trees, the layout and maintenance of public gardens, woodlands, etc.

Applications, together with particulars of age, training, qualifications and experience, and the names of three persons to whom reference may be made, should be addressed to the Secretary, Midland Bank Chambers, Howardsgate, Welwyn Garden City, and should be received not later than 19th October, 1948. 1856

## BOROUGH OF SOUTHALE.

### APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment, on the permanent staff of the Corporation, at a salary in accordance with A.P.T.V.(a) of the National Scheme (£550-£610), plus appropriate London weighting.

Candidates must be Members of the Royal Institute of British Architects, and previous Local Government experience is desirable.

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 appropriate trade union, professional organisation, or other recognized body.

Applications, on forms to be obtained from the Borough Engineer, Town Hall, Southale, must be returned to him on or before Monday, 11th October, 1948.

Canvassing will disqualify.

J. S. SYRETT,  
Town Clerk.

Town Clerk's Office, Southale. 1859

## METROPOLITAN BOROUGH OF SHOREDITCH.

### APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of a Temporary Architectural Assistant, at a salary in accordance with the National Scale of Salaries, A.P.T. Division, Grade II (£420×£15 to £465), London weighting.

Applicants should have good general architectural experience in the design and construction of flats, and preferably have passed the Intermediate examination of the R.I.B.A.

Applications, stating age, qualifications, experience, and copies of three recent testimonials, should be delivered to the Borough Architect, Town Hall, Old Street, E.C.1, in an envelope endorsed "Architectural Assistant," not later than the 11th October, 1948.

C. A. JAMES,  
Town Clerk.

Town Hall, Old Street, E.C.1.  
20th September, 1948. 1860

## CITY OF PORTSMOUTH.

### APPOINTMENT OF CITY ARCHITECT.

Applications are invited from qualified persons, who must be Fellows or Associates of the R.I.B.A., for the appointment of City Architect, at a consolidated salary of £1,400 per annum, rising to £1,700 per annum by annual increments of £75. The successful applicant will be required to pass a medical examination. Particulars of the appointment may be obtained from the undersigned, to whom applications, accompanied by the names of three persons to whom reference may be made, should be sent (endorsed "City Architect"), and be received not later than first post on Monday, 25th October, 1948. Canvassing in any form will be a disqualification.

V. BLANCHARD,  
Town Clerk.

City Council Chambers, 1, Clarence  
Parade, Portsmouth. 1861

## CITY OF LINCOLN.

### CITY ENGINEER'S DEPARTMENT.

#### APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited for the above appointment. The salary will be in accordance with Grade V of the A.P. and T. Division of the scales of salaries of the National Joint Council (£520-£570 per annum).

Candidates should be Associate Members of the Royal Institute of British Architects (or hold equivalent qualifications), and have had good experience in general architectural work, including school planning and design, and in the preparation of working drawings and specifications.

The appointment will be 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.

Forms of application can be obtained from, and should be returned to, the City Engineer and Surveyor, Corporation Offices, Silver Street, Lincoln, so as to be received not later than Wednesday, 13th October, 1948.

(Sgd.) J. H. SMITH,  
Town Clerk.

Corporation Offices, Lincoln.  
20th September, 1948. 1872

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

Applications are invited for the appointment of a QUANTITY SURVEYOR, in the Architectural Section of the City Engineer and Surveyor's Department, at a salary in accordance with Grade V, A.P.T., i.e., £520, rising by annual increments to £570 per annum. Applicants must be capable of taking off bills of quantities, abstracting and billing, measuring up on site, and agreeing final accounts.

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 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 suitably endorsed, must be delivered to the undersigned not later than 16th October.

Applicants must disclose whether they are related to any Senior Official or Member of the Authority.

ARTHUR J. REEVES,  
Town Clerk.

Town Hall, Peterborough.  
September, 1948. 1862

## SALOP COUNTY COUNCIL.

### COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of a SENIOR ASSISTANT ARCHITECT, on A.P.T. Grade VI (£595 to £660 per annum).

Candidates must be Registered Architects and members of the R.I.B.A., and preference will be given to those who have had experience in the design and construction of schools. The successful applicant will be required to act as a Section Head, and some administrative ability will therefore be an advantage.

The appointment will be subject to one month's notice 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. The successful applicant 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 Friday, 15th October, 1948.

G. C. GODBER,  
Clerk of the Council.

Shrewsbury.  
September, 1948. 1865

## COUNTY BOROUGH OF GATESHEAD.

Applications are invited for the post of SENIOR ASSISTANT QUANTITY SURVEYOR, on Grade VI of the National Scale (i.e., £595-£660 p.a.).

Candidates should be members of the Royal Institution of Chartered Surveyors, and should be experienced in the preparation of Bills of Quantities, Specifications, Estimates, and the settlement of Final Accounts.

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 the Chief Architect, should be returned, together with copies of three recent testimonials, to H. J. Cook, Esq., A.R.I.B.A., M.I.Struct.E., Chief Architect, Municipal Buildings, Swinburne Street, Gateshead, 8, not later than Monday, 18th October, 1948.

J. W. PORTER,  
Town Clerk.

Town Hall, Gateshead, 8.  
September, 1948. 1870

## PENARTH URBAN DISTRICT COUNCIL.

### APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the permanent appointment of Architectural Assistant at a salary in accordance with A.P.T. Grade V (£520-£570) of the National Scale of Salaries.

Applicants should be Associates of the Royal Institute of British Architects, or hold an equivalent qualification, and have had experience in the general architectural and housing work of a Local Authority, including the preparation of Working Drawings, Specifications and Quantities.

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

The Council will be prepared to give sympathetic consideration thereto should the need to provide housing accommodation arise.

Applications, endorsed "Architectural Assistant," stating age, training, qualifications, present and previous appointments and experience, together with copies of not more than three recent testimonials, should reach the undersigned not later than the 16th day of October, 1948.

Canvassing will disqualify.

Dated this 27th day of September, 1948.

DUDLEY E. MORSE, A.M.I.C.E.,  
Engineer and Surveyor.

Council Offices, "West House," Stanwell  
Road, Penarth. 1879

**COUNTY COUNCIL OF INVERNESS.**  
**COUNTY ARCHITECT'S DEPARTMENT.**  
**ARCHITECTURAL ASSISTANT.**  
 Applications are invited for the appointment of ARCHITECTURAL ASSISTANT, in the County Architect's Department. Salary, consolidated scale, A.P.T., III, £450-£495, with placing according to qualifications and experience. Candidates should possess a recognized Architectural qualification, and have had a good general architectural experience, more especially in the preparation of sketch plans and working drawings for housing work.  
 The appointment will be subject to the provisions of the Local Government Superannuation (Scotland) Act, 1937, and the successful candidate will be required to pass a medical examination.  
 Applications, stating age, qualifications and present appointment, accompanied by copies of not more than three recent testimonials, should be submitted to the undersigned within ten days of publication of this advertisement.

R. WALLACE,  
 County Clerk.  
 County Buildings, Ardrose Street, Inverness.  
 1894

**BOROUGH OF BEXLEY.**  
**BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT (ARCHITECT'S SECTION).**  
 Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, within Grade A.P.T., I (£330-£415) or A.P.T., II (£420-£465), plus London "weighting" not exceeding £30 p.a., according to qualifications and experience.

Forms of application with conditions of appointment may be obtained from the Borough Engineer and Surveyor, Council Offices, Bexleyheath, to whom applications must be returned by 18th October, 1948.  
 Canvassing, directly or indirectly, will disqualify.

W. WOODWARD,  
 Town Clerk.  
 1893

**BOROUGH OF MALDEN AND COOMBE.**  
**BOROUGH ENGINEER'S DEPARTMENT.**  
**APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Chief Architectural Assistant, on the permanent staff of the Borough Engineer's Department, at a salary, in accordance with Grade VI of the National Scale of Salaries (£595 per annum, rising, subject to satisfactory service, by two annual increments of £20 and one of £25 to a maximum of £660 per annum), plus London "weighting" and a car allowance, at present £70 per annum.

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

Applicants must be Associates of the Royal Institute of British Architects and have had Municipal administrative experience. They must possess sound experience in the preparation of drawings and specifications for the construction and maintenance of housing, public buildings, and other types of building work carried out by a Local Authority.

Applications, giving particulars of age, qualifications, experience, past and present appointments with salaries, accompanied by copies of not less than three recent testimonials, and endorsed "Chief Architectural Assistant," should be delivered to the undersigned not later than 23rd October, 1948.

Canvassing, directly or indirectly, will be a disqualification, and applicants must disclose in writing whether to their knowledge they are related to any member or senior officer of the Council.

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

HAROLD E. BARRETT,  
 Town Clerk.  
 Municipal Offices, New Malden, Surrey.  
 1892

**BOROUGH OF SCUNTHORPE.**  
**BOROUGH SURVEYOR'S DEPARTMENT.**  
**APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited from duly qualified persons for the above appointment, in the Department of the Borough Surveyor, at a salary in accordance with Grade V, A.P. and T. Division of the National Scale (Consolidated), £520-£570 per annum.

Housing accommodation will be provided if necessary. Applicants should have had good experience in domestic architecture, be able to prepare specifications, supervise construction and contracts. Preference will be given to Associates of the R.I.B.A. The appointment will be subject to the Local Government Superannuation Act, 1937, terminable by one month's notice on either side, and the successful candidate will be required to pass a medical examination. Applications, stating age, qualifications and experience, together with copies of three recent testimonials, should reach the undersigned not later than Monday, 11th October, 1948.

W. P. ERRINGTON,  
 Town Clerk.  
 34, High Street, Scunthorpe, Lincs  
 22nd September, 1948.  
 1891

**BOROUGH OF NEWCASTLE-UNDER-LYME.**  
**ENGINEER AND SURVEYOR'S DEPT.**

Applications are invited for the following whole-time appointments in the office of the Borough Engineer and Surveyor:—

(a) ONE ASSISTANT ARCHITECT. A.P.T. Division, Grade IV (£480-£525 per annum).

(b) ONE SENIOR QUANTITY SURVEYOR. A.P.T. Division, Grade V(a) (£550-£610 per annum).

(c) ONE QUANTITY SURVEYOR'S CLERK. Salary according to age in General Division, maximum £385.

Housing accommodation upon a service tenancy will be available for the successful candidate, if required, in connection with (b), and full particulars may be obtained from the Borough Engineer.

The following qualifications are required in respect of the various appointments:—  
 (a) Either Associate of the R.I.B.A. or be in an advanced stage of preparation for the Final examination of that Institute.

(b) Final examination, Royal Institute of Chartered Surveyors, or the Institute of Quantity Surveyors.

(c) Experience in the office of a Quantity Surveyor or large firm of building contractors.

The appointments are subject to the National Scheme of Conditions of Service and to the provisions of the Local Government Superannuation Acts, the successful applicants being required to pass a medical examination to the satisfaction of the Council's Medical Officer of Health. The appointments are terminable by one month's notice on either side.

Applicants must disclose whether to their knowledge they are related to any member of or the holder of any senior office under the Council. Canvassing in any form will be a disqualification.

Applications, stating age, qualifications, present appointment, salary and experience, together with the names of two persons to whom reference may be made, should be forwarded to the Borough Surveyor, Lancaster Building, High Street, Newcastle-under-Lyme, Staffs, not later than 18th October, 1948.

C. J. MORTON,  
 Town Clerk.  
 District Bank House, Penkhill Street,  
 Newcastle-under-Lyme.  
 1890

**COUNTY OF DORSET.**  
**COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the appointment of FIVE ASSISTANT ARCHITECTS, in Grades A.P.T., III and V (salary £450-£570), on the permanent staff of the above Department. Candidates must be Members of the Royal Institute of British Architects, and preferably have had experience in Architectural work undertaken by a Local Authority, especially in the design of Educational buildings.

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 Council make a grant of a moiety of the cost of removal.

Applications, on forms to be obtained from the undersigned, should be sent not later than the 16th October, 1948, to the Clerk of the County Council, County Hall, Dorchester.

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

C. P. BRUTTON,  
 Clerk of the County Council.  
 County Hall, Dorchester.  
 September, 1947.  
 1895

**CUMBERLAND COUNTY COUNCIL.**

Applications are invited for the appointment of a CLERK OF WORKS to supervise the erection of a new Secondary School at Wighton.

The inclusive wage will be £8 8s. per week.

Applicants should have good practical knowledge of all trades and experience in the erection of steel frame buildings, and should be able to measure up work.

The appointment will be temporary, and will be subject to four weeks' notice on either side.

Applications, stating age, present employment, qualifications and experience, together with copies of three recent testimonials, should be delivered to John H. Haughan, F.R.I.B.A., County Architect, 15, Portland Square, Carlisle, not later than 15th October, 1948.

G. N. C. SWIFT,  
 Clerk of the County Council.  
 September, 1948.  
 1900

**LEEDS COLLEGE OF ART.**

Principal: E. E. PULLER, A.R.C.A.

**SCHOOL OF ARCHITECTURE.**

Head: W. A. EMM, B.Arch., A.R.I.B.A.

Applications are invited for the post of SENIOR LECTURER in Architectural History and Research, and Librarian. Candidates should be graduates of a British University or should hold the Associateship of the R.I.B.A. Specialized training in architecture or librarianship is not essential, but candidates should be prepared to give evidence of special interest in the history of architecture.

Salary scale £700-£25-£2800. Additions for degree or equivalent and approved training.

Further particulars and application forms, which should be returned within a fortnight of the appearance of this advertisement, may be obtained by sending a stamped addressed foolscap envelope to the Director of Education, Education Offices, Leeds, 1.  
 1962

**COUNTY OF MONMOUTH.**

**COUNTY PLANNING COMMITTEE.**

Applications are invited for the following appointments in the County Planning Department:—

(a) SENIOR DEVELOPMENT CONTROL ASSISTANT. Salary £635, rising by annual increments of £25 to £710 per annum (A.P.T., VII).

(b) SENIOR ARCHITECTURAL ASSISTANT. Salary £595, rising by annual increments of £20 to £660 per annum (A.P.T., VI).

(c) FOUR PLANNING ASSISTANTS. Grade III. Salary £450, rising by annual increments of £15 to £495 (A.P.T., III).

(d) TWO JUNIOR PLANNING ASSISTANTS. Grade I. Salary £390, rising by annual increments of £15 to £435 (A.P.T., I).

Applicants for appointment (a) must be a Member of the Town Planning Institute, and have had extensive practical experience in the control of Building Development and Land Use, preparation of Appeal Cases, etc., under previous Town and Country Planning Acts. An additional qualification in Architecture, Surveying or Engineering will be an advantage.

Applicants for appointment (b) must be an Associate Member of the Royal Institute of British Architects, with considerable practical experience in the design and construction of all types of building development. Preference will be given to applicants who are also qualified Members of the Town Planning Institute and/or who have had practical Planning experience.

Applicants for appointment (c) should have had a good practical experience in the preparation of Planning Schemes for Urban and Rural Areas, and should be suitably qualified. Preference will be given to applicants who have secured the Intermediate examination of the Town Planning Institute or the Royal Institute of British Architects, the Royal Institution of Chartered Surveyors, or the Institution of Municipal and County Engineers.

Applicants for appointments (d) should be neat and efficient draughtsmen, and have a knowledge of surveying and levelling and ordnance survey revision, and preferably should have experience in a Planning Department. Any technical qualifications will be an additional recommendation. Appointments will be subject to the Local Government Superannuation Act, 1937, and to passing a medical examination, and will be terminable by one month's notice on either side.

Applications, stating age, qualifications, training, and experience, and giving particulars of past and present appointments, accompanied by copies of two recent testimonials, or in the case of H.M. Forces the names of two referees, and endorsed "Senior Development Control Assistant," "Senior Architectural Assistant," "Planning Assistants" or "Junior Planning Assistants," must be delivered to the County Planning Officer, County Hall, Newport, Mon, not later than 18th October, 1948.

VERNON LAWRENCE,  
 Clerk of the County Council.  
 County Hall, Newport, Mon.  
 September, 1948.  
 1901

**ISLE OF ELY COUNTY COUNCIL.**

**COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the appointment of a QUANTITY SURVEYOR (Grade V, A.P.T. Division) Salary £520, rising by two annual increments of £15 and one of £20 to £570 per annum.

National Conditions of Service will apply, and the appointment is subject to the Local Government Officers' Superannuation Act, 1937, to a medical examination, and to one month's notice on either side.

Applicants are required to disclose whether to their knowledge they are related to any member of the Council or the holder of a senior office under the Council, and canvassing will disqualify.

Full particulars and copies of three recent testimonials should be sent to the County Architect, County Hall, March, Cambs., not later than Tuesday, 12th October, 1948.

R. F. G. THURLOW,  
 Clerk of the County Council.  
 County Hall, March.  
 23rd September, 1948.  
 1903

**ESSEX EDUCATION COMMITTEE.**  
**SOUTH-WEST ESSEX TECHNICAL COLLEGE AND SCHOOL OF ART, FOREST ROAD, WALTHAMSTOW, E.17.**

**DEPARTMENT OF ARCHITECTURE AND BUILDING.**

The Governors invite applications from suitably qualified persons for the PART-TIME DAY appointments as LECTURERS in the Department of Architecture and Building in the subjects required for the examinations of the Royal Institution of Chartered Surveyors.

(a) The legal subjects, including Law of Disputations, Fixtures and Easements, Sale and Mortgage of Land, Law of Landlord and Tenant, and Estate Management.

(b) Quantity Surveying, Analysis and Synthesis of Prices, and Measurements of Builder's Work.

The vacancies for half-day teaching can be arranged to suit individual applicants.

Applications (no forms) giving full particulars of training, qualifications, and experience, should be submitted to the Clerk of the Governor, at the College, within two weeks of the appearance of this advertisement.

B. E. LAWRENCE,  
 Chief Education Officer.  
 County Offices,  
 Chelmsford.  
 1959



# COUNTY BOROUGH OF EAST HAM. BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the under-mentioned appointments:—

**SENIOR ARCHITECTURAL ASSISTANT.** Grade A.P.T. VI. Salary, £595-£660.

**ARCHITECTURAL ASSISTANT.** Grade A.P.T. III. Salary, £450-£495.

**JUNIOR ARCHITECTURAL ASSISTANT.** Grade A.P.T. I. Salary, £390-£435.

**CHIEF QUANTITY SURVEYOR.** Grade A.P.T. VII. Salary, £635-£710.

**SENIOR ASSISTANT PLANNING OFFICER.** Grade A.P.T. V. Salary, £520-£570.

London Allowance is payable in addition to the above salaries as follows:—Age 16-20, £10 p.a.; age 21-25, £20 p.a.; age 26 and above, £30 p.a.

Salaries in excess of the minima of the grades may be paid according to the qualifications and experience of successful candidates.

The Council have in course of preparation a large and varied programme of interesting works which it is anticipated will not be affected by the proposed reductions in capital expenditure.

Housing accommodation is not provided, but the Council will be prepared to consider applications for subsistence allowances in appropriate cases from persons appointed who may be unable to obtain suitable accommodation.

Full particulars of the duties, terms and conditions of appointment and form of application (which must be returned by Monday, October 19th, 1948), may be obtained from the undersigned.

Canvassing in any form will disqualify.

H. A. EDWARDS, Town Clerk.

Town Hall, East Ham, E.6. 1896

September, 1948.

# COUNTY BOROUGH OF GRIMSBY. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments in the Architectural Section of the Department:—

**ARCHITECTURAL ASSISTANT** on Grade A.P.T. V (£520, rising to £570 per annum consolidated).

**ARCHITECTURAL ASSISTANT** on Grade A.P.T. IV (£480, rising to £525 per annum consolidated).

Candidates should be Registered Architects and preference will be given to applicants holding the appropriate professional qualifications. Experience on new schools and large public buildings is desirable.

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

Applications, stating age, qualifications, and details of experience, together with copies of two recent testimonials, must be suitably endorsed and delivered to the undersigned not later than first post on Monday, the 18th October, 1948.

J. V. OLDFIELD, Borough Engineer and Surveyor.

Municipal Offices, Town Hall Square, Grimsby. 1899

September, 1948.

# LANCASHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

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

(a) **SENIOR ASSISTANT ARCHITECTS.** Grade VI. Salary £595-£660 per annum. Preference will be given to Members of the R.I.B.A.

(b) **SENIOR ASSISTANT LAND SURVEYOR.** Grade VI. Salary £595-£660 per annum. Candidates must be Associates of the Royal Institution of Chartered Surveyors. (Valuation Division).

(c) **JUNIOR ASSISTANT LAND SURVEYOR.** Misc. Div., Grade I. Salary £315-£360 per annum. Candidates should be competent to make own surveys and take levels.

(d) **BUILDINGS INSPECTOR.** Grade II. Salary £420-£465 per annum. Applicants should have knowledge of all building trades and have experience in the maintenance work of buildings, and should be capable of preparing reports, specifications and estimates in connection with same. He will be required to reside in the neighbourhood of Prestwich.

(e) **SENIOR ASSISTANT HEATING ENGINEER.** Grade VI. Salary £595-£660 per annum. Candidates must be Corporate Members of the Institution of Heating and Ventilating Engineers.

(f) **ASSISTANT STRUCTURAL ENGINEER.** Grade V. Salary £520-£570 per annum. Candidates must be Corporate Members of the Institution of Structural Engineers.

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

Applications should be forwarded on the forms to be obtained from the County Architect, G. Noel Hill, F.R.I.B.A., M.T.P.I., County Offices, Preston, to whom they should be returned, accompanied by copies of three recent testimonials, to arrive not later than Saturday, 16th October.

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

County Offices, Preston. 1905

September, 1948.

# COUNTY BOROUGH OF DARLINGTON. BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

**TWO ASSISTANT ARCHITECTS.** Grade V (£520-£570).

Candidates should have had previous experience on Housing and Education work, and preference will be given to those who are members of the Royal Institution of British Architects.

Applications, stating age, qualifications, present appointment, and salary and previous experience, accompanied by names and addresses of three referees, to be endorsed "Assistant Architect," and delivered to E. A. Tornbom, A.R.I.B.A., A.M.T.P.I., Borough Architect, Central Buildings, Darlington, not later than the 12th October, 1948.

1906

# CITY OF PORTSMOUTH. CITY PLANNING OFFICER'S DEPARTMENT.

Applications are invited for the following permanent appointments, in the Department of the City Planning Officer:—

**TWO PLANNING ASSISTANTS.** Grade V (£520-£570 per annum).

The appointments are in connection with the preparation of the Development Plan under the Town and Country Planning Act, 1947, and for work on the reconstruction of the Central Area of the town.

Candidates should be qualified for Associate Membership of the Town Planning Institute, and preference will be given to applicants possessing, in addition, a recognised qualification in architecture, engineering or surveying.

The appointments will be subject to:—

(a) The National Scheme of Conditions of Service;

(b) the provisions of the Local Government Superannuation Act;

(c) the successful candidates passing satisfactorily a medical examination by the Corporation's Medical Referee;

(d) termination by one month's notice on either side.

Applications, stating age, present position, qualifications and experience, together with the names of three responsible persons to whom reference may be made, must be delivered to the undersigned, clearly marked "City Planning Appointment," not later than the 31st October, 1948.

Canvassing will disqualify.

V. BLANCHARD, Town Clerk.

City Council Chambers, Southsea. 1904

21st September, 1948.

# COUNTY BOROUGH OF HALIFAX. APPOINTMENT OF ASSISTANT ARCHITECT (EDUCATION).

Applications are invited for the above appointment, in the Borough Engineer's Department, at a salary in accordance with Grade V of the National Scales (£520, rising to £570 per annum).

The successful candidate, who should possess appropriate qualifications, will be engaged principally on the design and erection of new Schools. It is not, however, necessary that he should have had specialized experience on School or Municipal work, provided he possesses a good background of architectural knowledge. The position is a superannuated one.

Applications, stating age, qualifications, present position and salary and experience, and accompanied by copies of recent testimonials and appropriately endorsed, should be delivered to the undersigned not later than Saturday, 16th October, 1948.

R. de Z. HALL, Town Clerk.

Town Hall, Halifax. 1895

21st September, 1948.

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

Applications are invited for the following appointments on the temporary staff in the Department of the Borough Engineer and Surveyor:—

(a) **ASSISTANT QUANTITY SURVEYOR.** Grade IV. Salary £480-£525 per annum.

Candidates should have had considerable experience in the preparation of Bills of Quantities and final accounts for housing, public buildings, etc., and preference will be given to those possessing a recognized qualification.

(b) **ONE ARCHITECTURAL ASSISTANT.** Grade IV. Salary £480-£525 per annum.

(c) **ONE ARCHITECTURAL ASSISTANT.** Grade III. Salary £450-£495 per annum.

Candidates should possess a recognized architectural qualification, and have had considerable experience in general architectural work, housing, and the conversion of large houses into flats, including the preparation of working drawings and specifications.

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

Applications, stating age, present and past appointments, qualifications and experience, must be delivered to the undersigned appropriately endorsed not later than the 11th October, 1948.

Testimonials are not required, but applicants are required to submit the name of two referees.

Canvassing in any form will be a disqualification.

HAROLD O. ROBERTS, Town Clerk.

Town Hall, Waterloo, Liverpool, 22. 1889

22nd September, 1948.

# ESSEX EDUCATION COMMITTEE. SOUTH WEST ESSEX TECHNICAL COLLEGE AND SCHOOL OF ART, FOREST ROAD, WALTHAMSTOW. DEPARTMENT OF ARCHITECTURE AND BUILDING.

The Governors invite applications from suitably qualified persons for the permanent full-time post of **STUDIO MASTER AND LECTURER IN ARCHITECTURAL DESIGN.**

Ability to take classes in Town and Country Planning subjects will be an advantage. The post involves studio and lecture work in connection with the full-time courses of study in the Department of Architecture and Building of the College for the Intermediate and Final Examinations of the Royal Institute of British Architects, for which examinations the College is approved as an R.I.B.A. Listed School for full-time preparation.

The salary scale is £300×15=£555, plus London allowance and allowances for full-time training and graduate qualifications. Increments may also be allowed for suitable professional experience.

Applications (no forms), giving full particulars of training, qualifications and experience, should be submitted to the Clerk of the Governors at the College, within two weeks of the appearance of this advertisement.

B. E. LAWRENCE, Chief Education Officer.

County Offices, Chelmsford. 1897

# NORTH-WEST METROPOLITAN REGIONAL HOSPITAL BOARD. ARCHITECT'S DEPARTMENT.

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

(1) **THREE ASSISTANT ARCHITECTS.** Grade A.P.T. VI (£595 to £660 p.a., plus London weighting).

(2) **FIVE ASSISTANT ARCHITECTS.** Grades A.P.T. II, III, IV or V (£420 to £570 p.a., plus London weighting).

(3) **TWO JUNIOR ASSISTANTS.** Grade General Division (Salary according to age and experience).

(4) **SENIOR BUILDING SURVEYOR.** Grade A.P.T. VIII (£685 to £760 p.a., plus London weighting).

(5) **BUILDING SURVEYOR.** Grade A.P.T. VI (£595 to £660 p.a., plus London weighting).

London weighting will normally be £30 p.a.

Applicants for (1) should be members of the R.I.B.A. or hold an equivalent qualification, and must have a good general experience in design and construction. A knowledge of hospital work is an advantage.

Applicants for (2) must have a good general experience of design and construction, and will be placed on the Grade appropriate to their experience and qualifications.

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

Applicants for (4) must be Chartered Surveyors, with wide general experience. The person appointed will be responsible to the Architect and will be required to supervise a small staff of Building Surveyors attached to the Department preparing estimates, specifications, supervising building works, checking final accounts, etc.

Applicants for (5) must be Chartered Surveyors and be capable of preparing estimates, writing specifications, supervising building contracts, and checking final accounts.

All the appointments will be subject to the provisions of the National Health Service (Superannuation) Regulation, 1947, and will be terminable by one month's notice.

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1897

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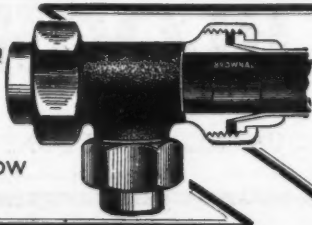
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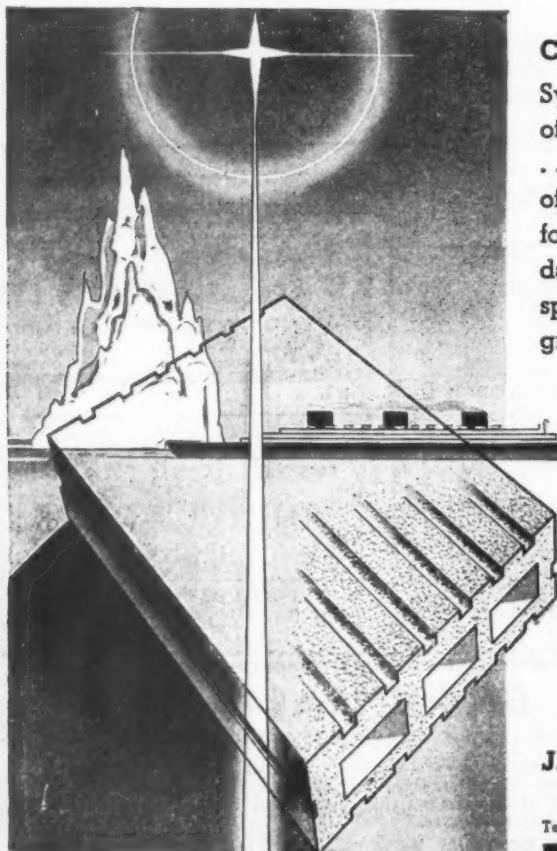
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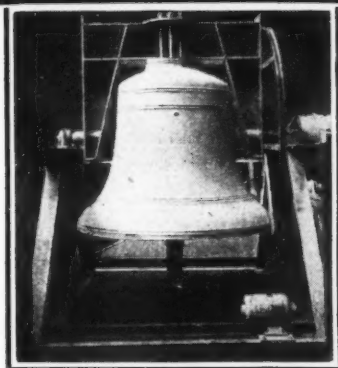
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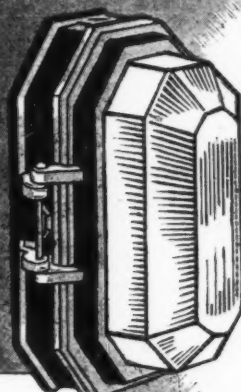
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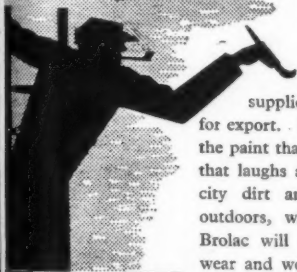
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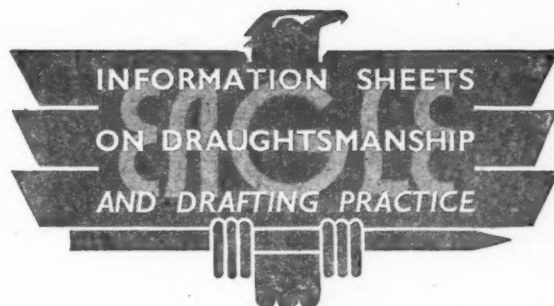
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BARREL VAULT ROOF: WORKING DETAILS OF

**MILLS SCAFFOLD COMPANY LTD.**  
 TRUSSLEY WORKS, HAMMERSMITH, LONDON, W.6.  
 DATE 30.6.47 H167/11  
 QUANTITY 383

**BARREL VAULT ROOF: DETAILS OF**

NGTH	No. OFF
1'0"	120
3'0"	180
4'0"	88
5'0"	236
6'0"	210
7'0"	389
8'0"	143
9'0"	44
10'0"	254
11'0"	22
12'0"	154
13'0"	71
14'0"	57
15'0"	12
16'0"	92
17'0"	8
18'0"	69
19'0"	2
20'0"	100

**...right on the job**

**BARREL VAULT ROOF: DETAILS**

**MILLS SCAFFOLD COMPANY LTD.**  
 TRUSSLEY WORKS, HAMMERSMITH, LONDON, W.6.  
 DATE 19.10.47 H 159/10

**BARREL VAULT ROOF: DETAILS**

**MILLS SCAFFOLD CO., LTD.**

Head Office: TRUSSLEY WORKS, HAMMERSMITH GROVE, LONDON, W.6. Tel: RIVerside 5026/9



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