

THE ARCHITECTS' JOURNAL

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standard contents

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

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DETROIT

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

- | | | | |
|-------|---|---|---------------------|
| IAAS | Incorporated Association of Architects and Surveyors. | 75, Eaton Place, S.W.1. | Sloane 3158 |
| ICE | Institution of Civil Engineers. | Great George Street, S.W.1. | Whitehall 4577 |
| ICW | Institute of Clayworkers. | 4, Vernon Place, W.C.1. | Chancery 6258 |
| IEE | Institution of Electrical Engineers. | Savoy Place, W.C.2. | Temple Bar 7676 |
| IES | Illuminating Engineering Society. | 32, Victoria Street, S.W.1. | Abbey 5215 |
| IGE | Institution of Gas Engineers. | 1, Grosvenor Place, S.W.1. | Sloane 8606 |
| IHVE | Institution of Heating and Ventilating Engineers. | 72/74, Victoria Street, S.W.1. | Victoria 0146/7 |
| IIBD | Incorporated Institute of British Decorators. | Drayton House, Gordon Street, W.C.1. | Euston 2450 |
| ILA | Institute of Landscape Architects. | 12, Gower Street, W.C.1. | Museum 1783 |
| IOB | Institute of Builders. | 48, Bedford Square, W.C.1. | Museum 7197 |
| IRA | Institute of Registered Architects. | 47, Victoria Street, S.W.1. | Abbey 6172 |
| ISE | Institution of Structural Engineers. | 11, Upper Belgrave Street, S.W.1. | Sloane 7128-29 |
| LIDC | Lead Industries Development Council. | Eagle House, Jermyn Street, S.W.1. | Whitehall 7264 |
| LMBA | London Master Builders' Association. | 47, Bedford Square, W.C.1. | Museum 3891 |
| MARS | MARS Group (English Branch of CIAM). | 46, Sheffield Terrace, W.8. | Park 7678 |
| MOA | Ministry of Agriculture and Fisheries. | 55, Whitehall, S.W.1. | Whitehall 3400 |
| MOE | Ministry of Education. | Belgrave Square, S.W.1. | Sloane 4522 |
| MOH | Ministry of Health. | Whitehall, S.W.1. | Whitehall 4300 |
| MOLNS | Ministry of Labour and National Service. | St. James's Square, S.W.1. | Whitehall 6200 |
| MOS | Ministry of Supply. | Shell Mex House, Victoria Embankment, W.C. | Gerrard 6933 |
| MOT | Ministry of Transport. | Berkeley Square House, Berkeley Square, W.1. | Abbey 7711 |
| MOTCP | Ministry of Town and Country Planning. | 32-33, St. James's Square, S.W.1. | Whitehall 8411 |
| MOW | Ministry of Works. | Lambeth Bridge House, S.E.1. | Reliance 7611 |
| NAMMC | Natural 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. | 8, Rosebery Houses, Breams Buildings, E.C.4. | Holborn 1881 |
| NFHS | National Federation of Housing Societies. | 13, Suffolk St., S.W.1. | Whitehall 2881/2/3 |
| NHBRC | National House Builders Registration Council. | 82, New Cavendish Street, W.1. | Langham 4041 |
| NHTPC | National Housing and Town Planning Council. | 41, Russell Square, W.C.1. | Museum 1264 |
| NPL | National Physical Laboratory. | Head Office, Teddington. | Molesey 1380 |
| NRIAD | National Register of Industrial Art Designers. | National Gallery, Trafalgar Square, W.C.2. | Whitehall 2415 |
| NSAS | National Smoke Abatement Society. | Chandos House, Buckingham Gate, S.W.1. | Abbey 1359 |
| NT | National Trust for Places of Historic Interest or Natural Beauty. | 42, Queen Anne's Gate, S.W.1. | Whitehall 0211/2 |
| PEP | Political and Economic Planning. | 16, Queen Anne's Gate, S.W.1. | Whitehall 7245 |
| PWB | Post War Building, Directorate of. | Ministry of Works, Lambeth Bridge House, S.E.1. | Reliance 7611 |
| RCA | Reinforced Concrete Association. | 94, Petty France, S.W.1. | Whitehall 9936 |
| RIAS | Royal Incorporation of Architects in Scotland. | 15, Rutland Square, Edinburgh. | Edinburgh 20396 |
| RIB | Rural Industries Bureau. | 35, Camp Road, Wimbledon, S.W.19. | Wimbledon 5101 |
| RIBA | Royal Institute of British Architects. | 66, Portland Place, W.1. | Welbeck 5721 |
| RICS | Royal Institution of Chartered Surveyors. | 12, Great George Street, S.W.1. | Whitehall 5322 |
| RFAC | Royal Fine Art Commission. | 6, Burlington Gardens, W.1. | Regent 1446 |
| RS | Royal Society. | Burlington House, Piccadilly, W.1. | Regent 3335 |
| RSA | Royal Society of Arts. | 6, John Adam Street, W.C.2. | Temple Bar 8274 |
| RSI | Royal Sanitary Institute. | 90, Buckingham Palace Road, S.W.1. | Sloane 5134 |
| 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 |
| SFMA | School Furniture Manufacturers' Association. | 13, New Square, Lincoln's Inn, W.C. | Chancery 5313 |
| SIA | Society of Industrial Artists. | Room 243, Empire House, St. Martin's-le-Grand, E.C.1. | Metropolitan 8344 |
| SNTPC | Scottish National Town Planning Council. | 11, Drumsheugh Gardens, Edinburgh, 3 | |
| SPAB | Society for the Protection of Ancient Buildings. | 55, Great Ormond Street, W.C.1. | Holborn 2646 |
| TCPA | Town and Country Planning Association. | 28, King Street, Covent Garden, W.C.2. | Temple Bar 5006 |
| TDA | Timber Development Association. | 75, Cannon Street, E.C.4. | City 6146 (3 lines) |
| TPI | Town Planning Institute. | 18, Ashley Place, S.W.1. | Victoria 8815 |
| TTF | Timber Trades Federation. | 81, Cannon Street, E.C.4. | City 1476 |
| WDC | War Damage Commission. | Devonshire House, Mayfair Place, Piccadilly, W.1. | Mayfair 8866 |
| WEDA | Welfare Equipment Development Association. | 61, St. Paul's Churchyard, E.C.4. | City 4263/4 |
| ZDA | Zinc Development Association. | Lincoln House, Turl Street, Oxford. | Oxford 47988 |

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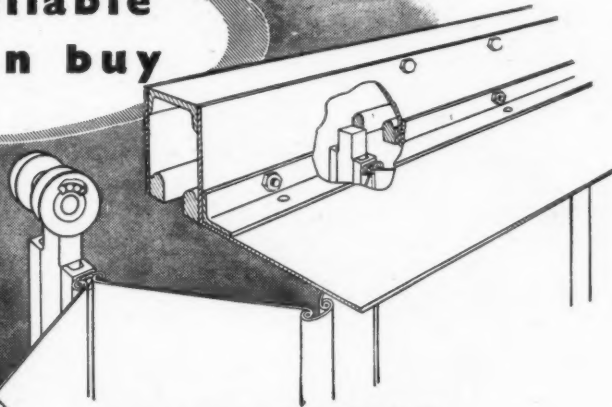
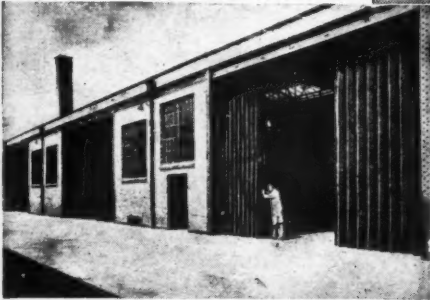
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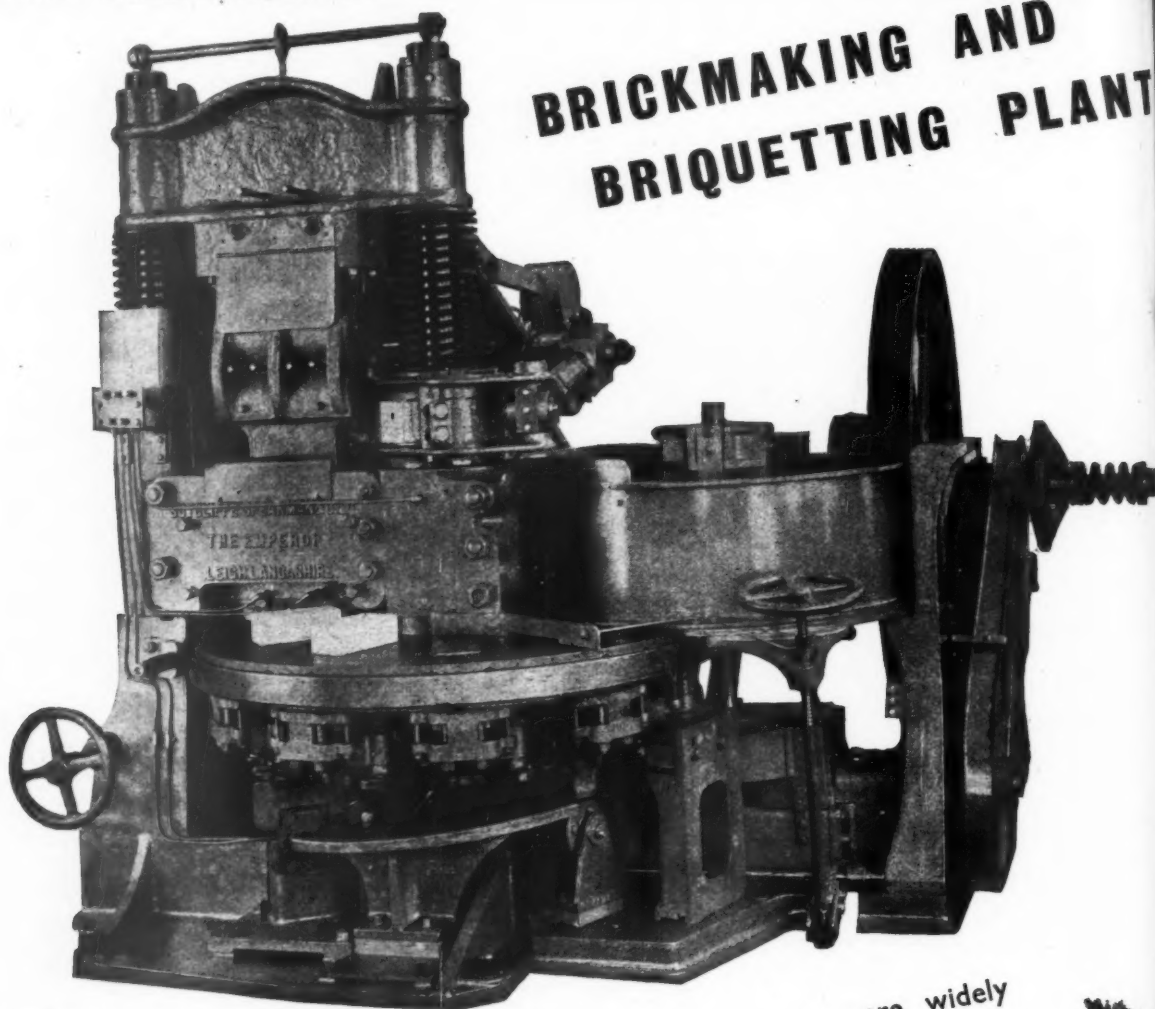
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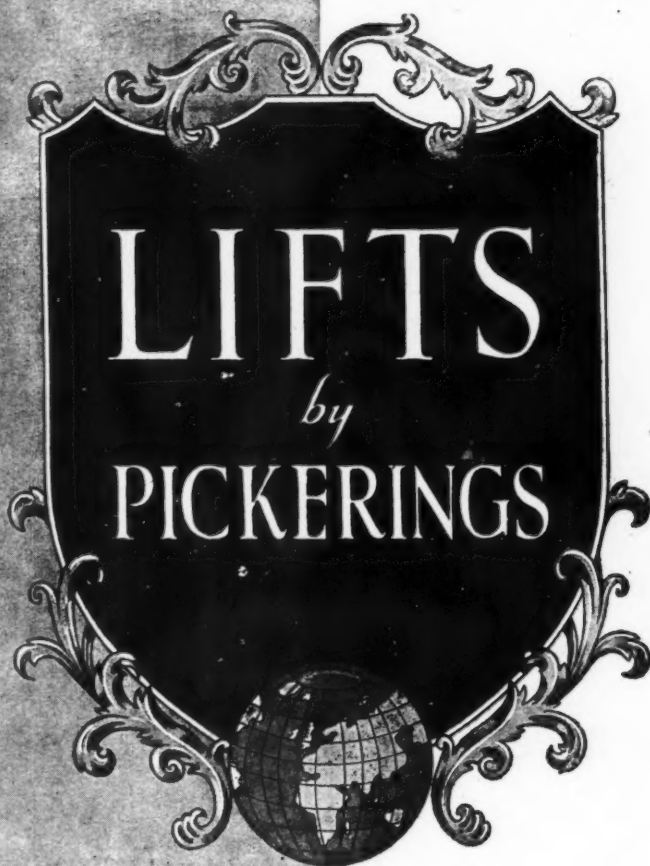
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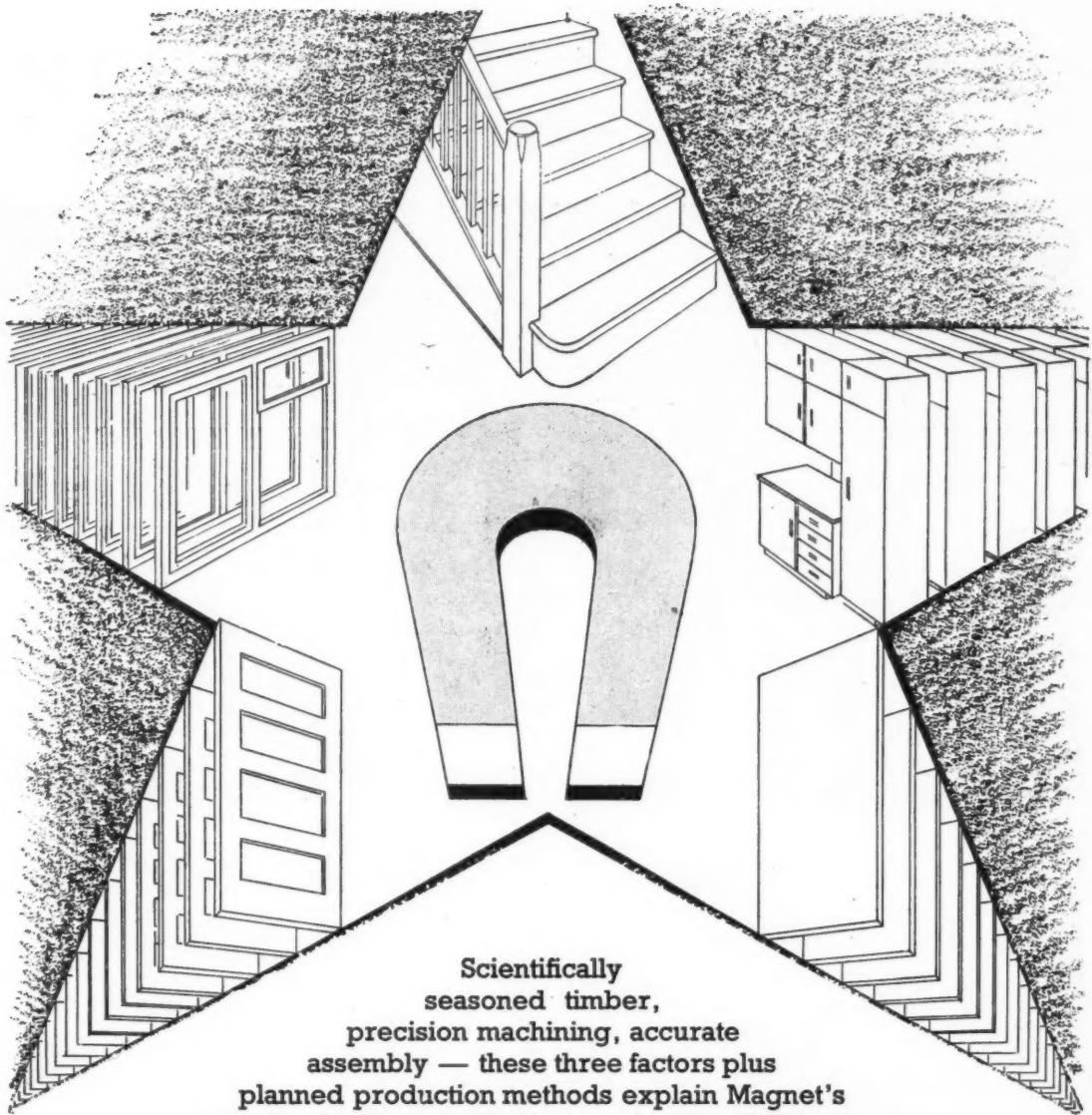


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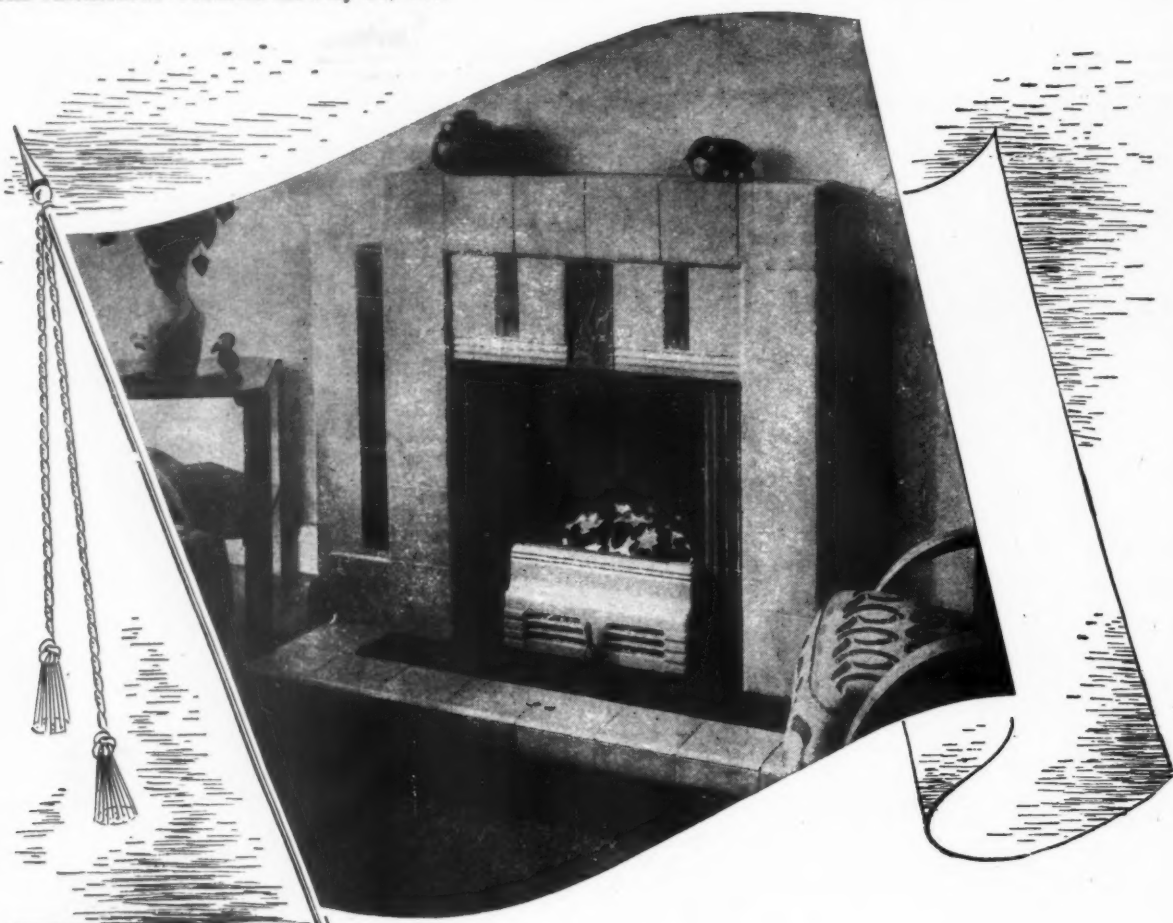
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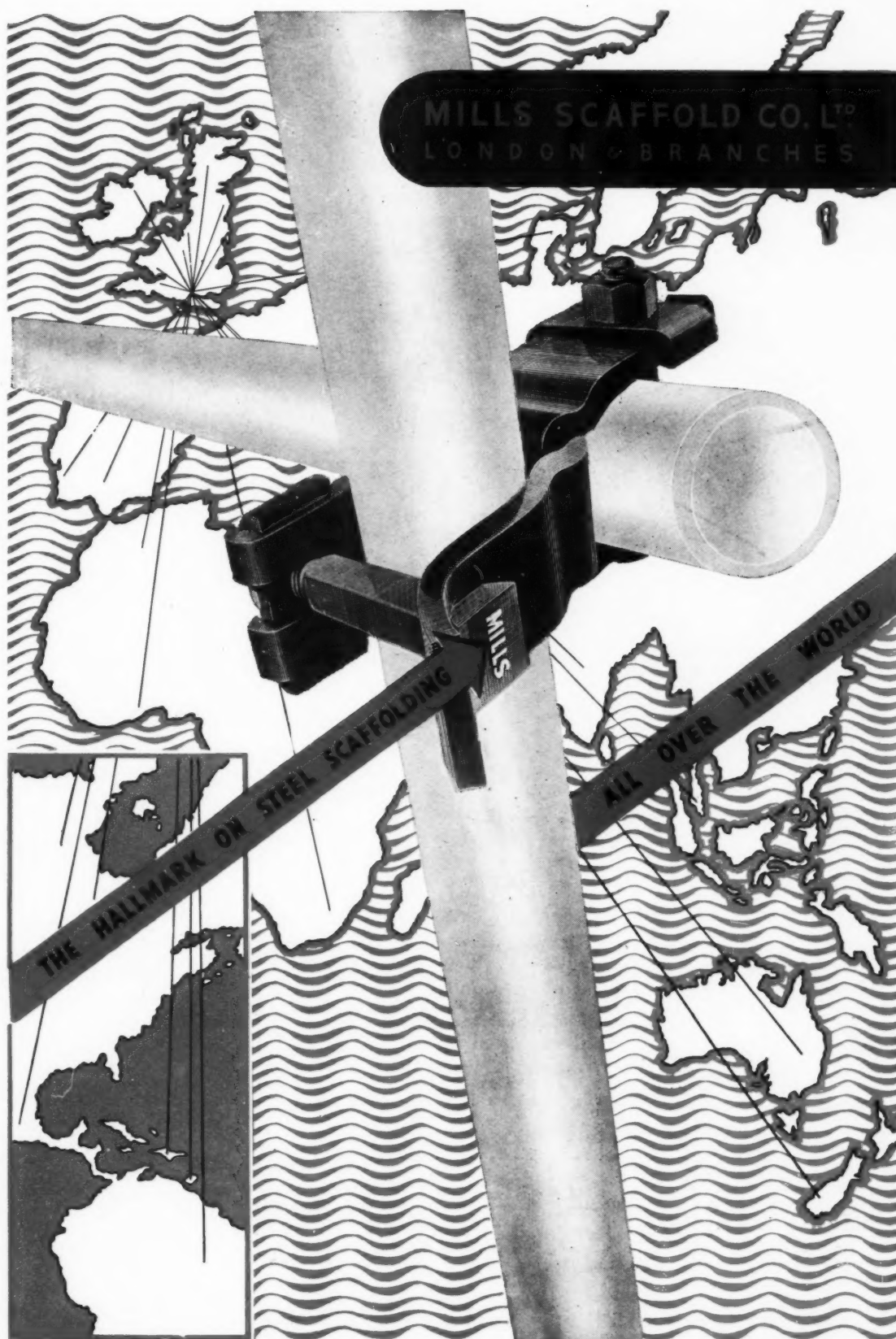


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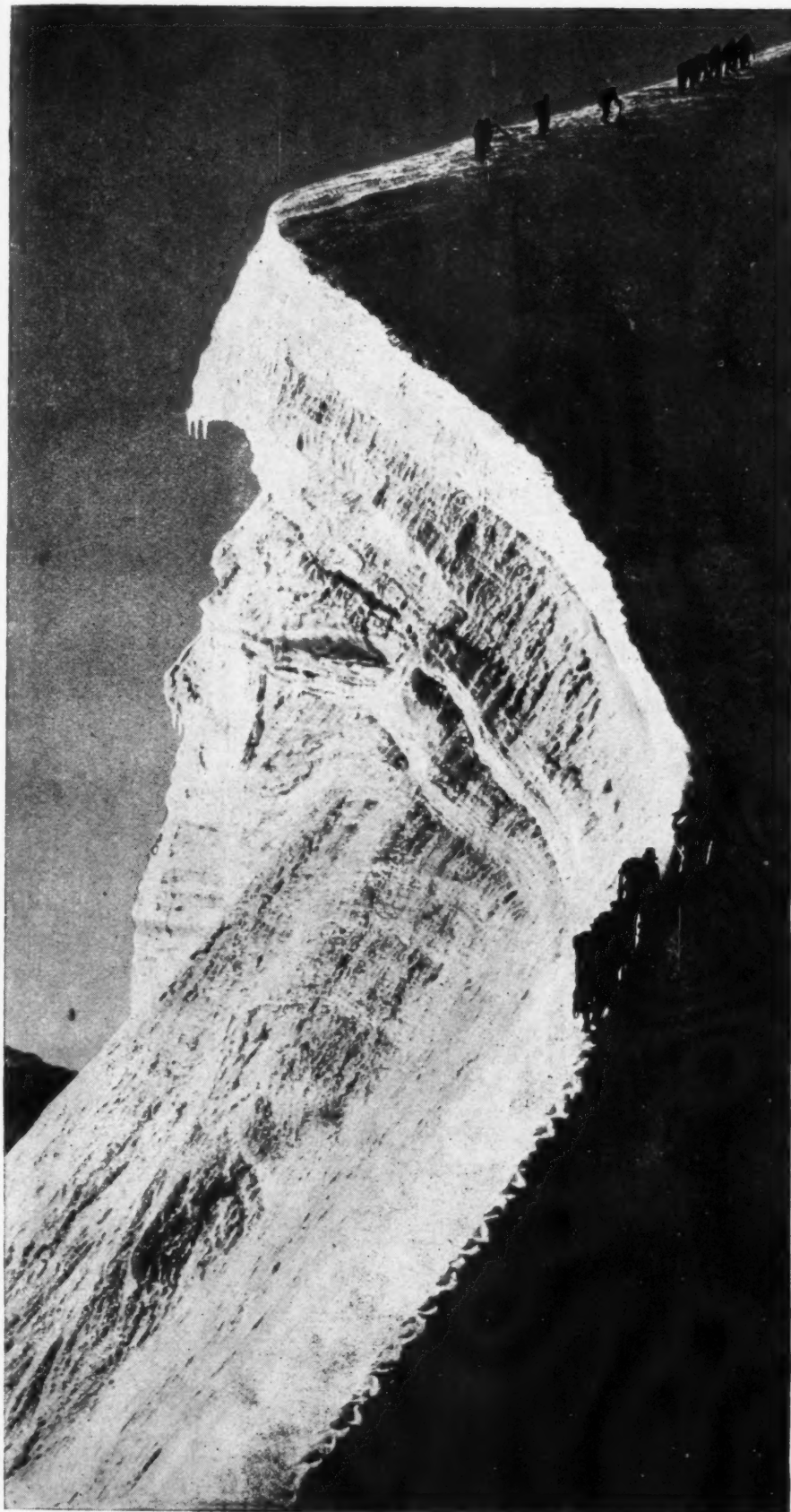
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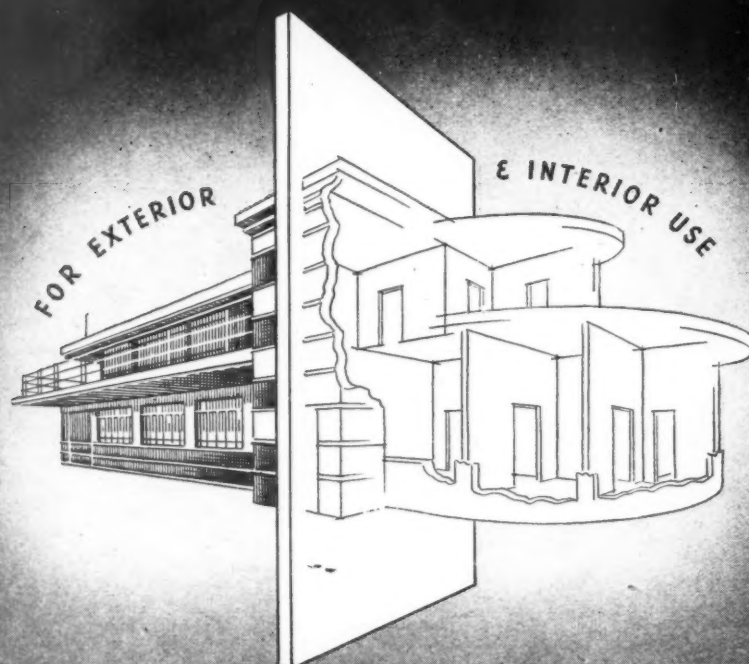
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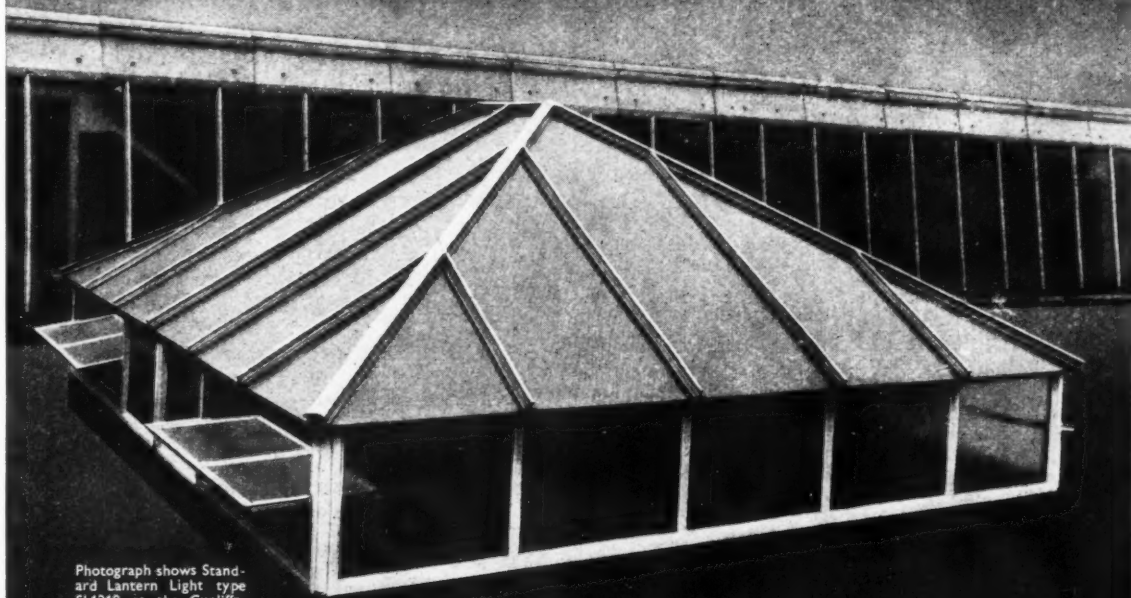
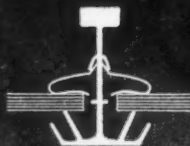
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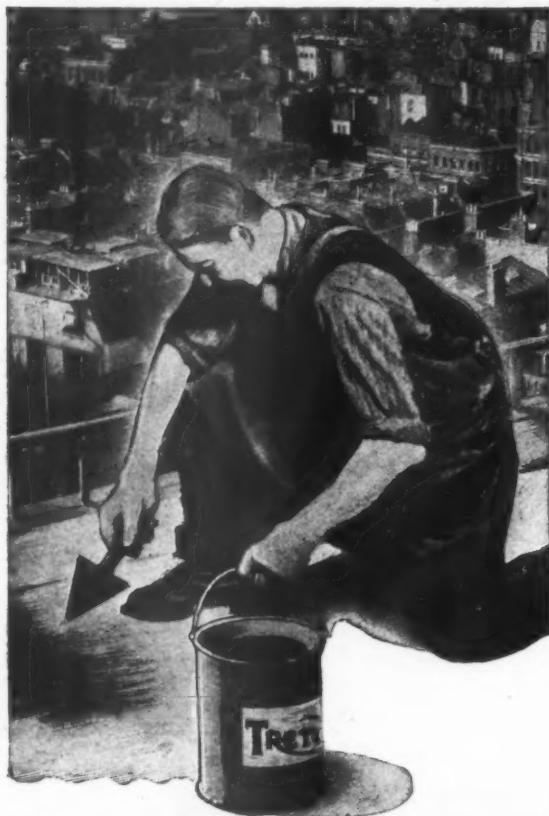
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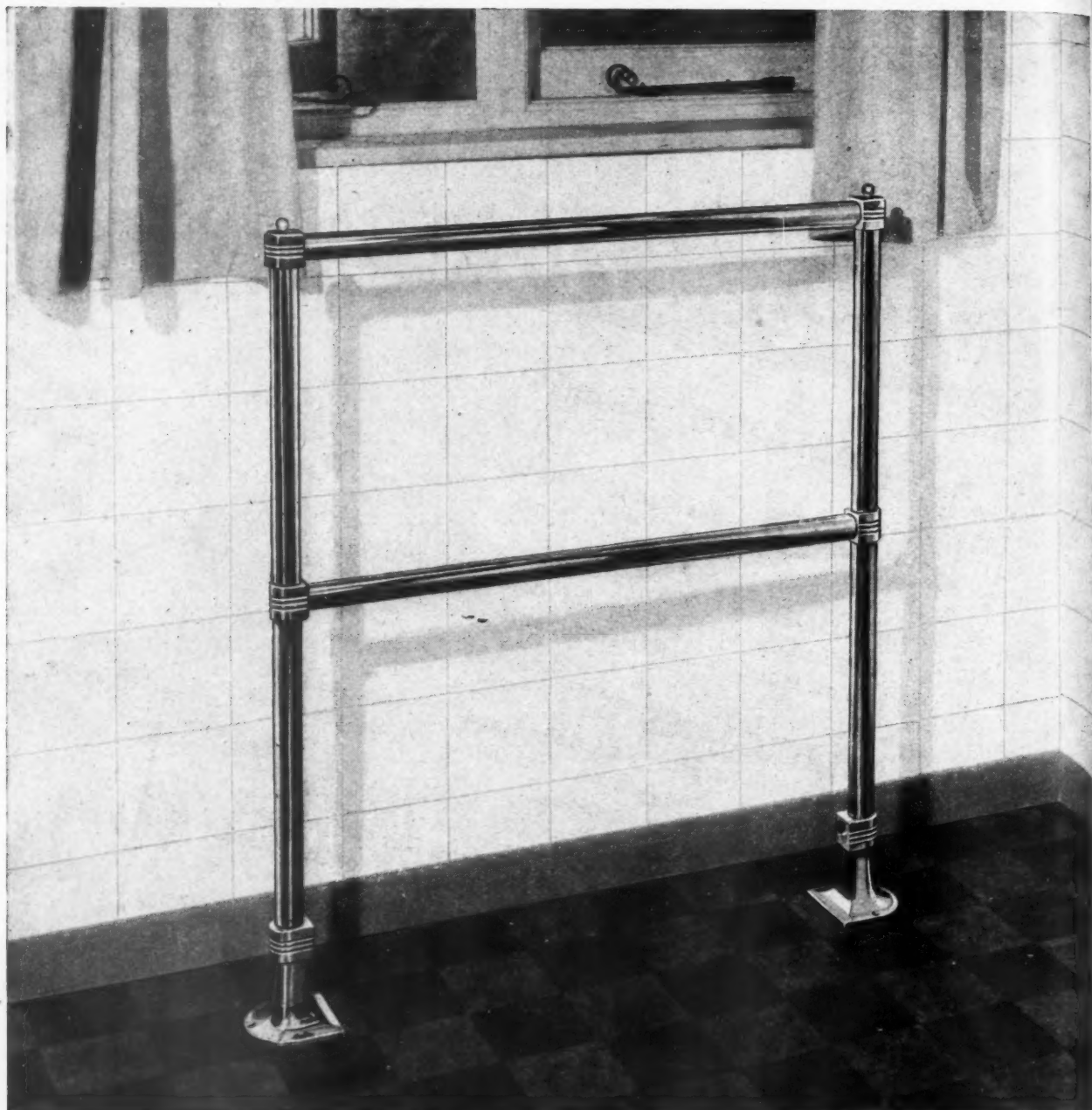
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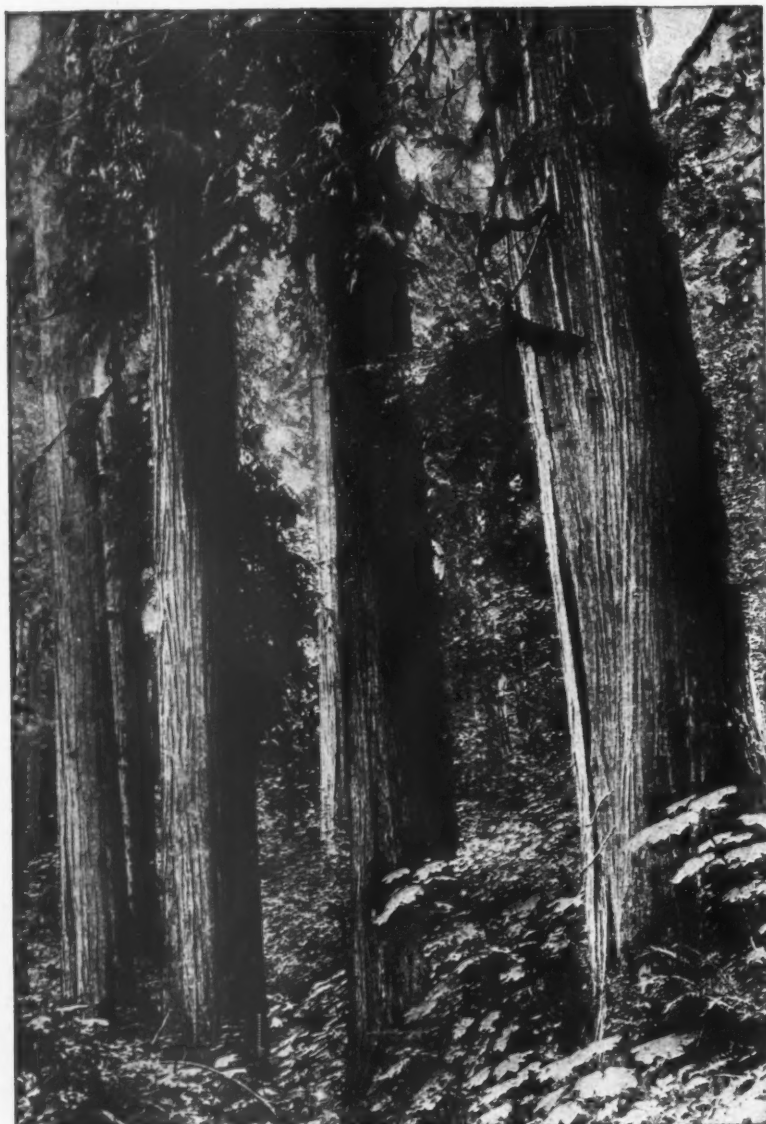
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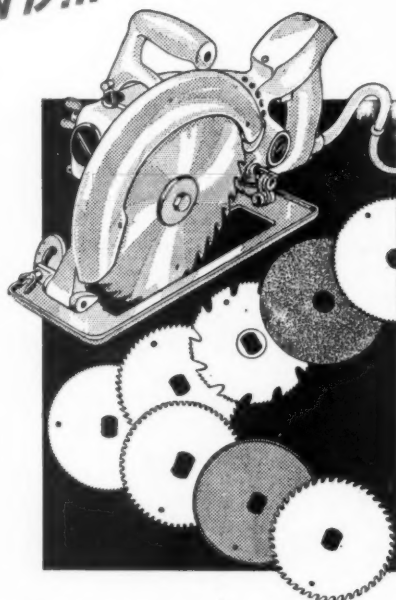
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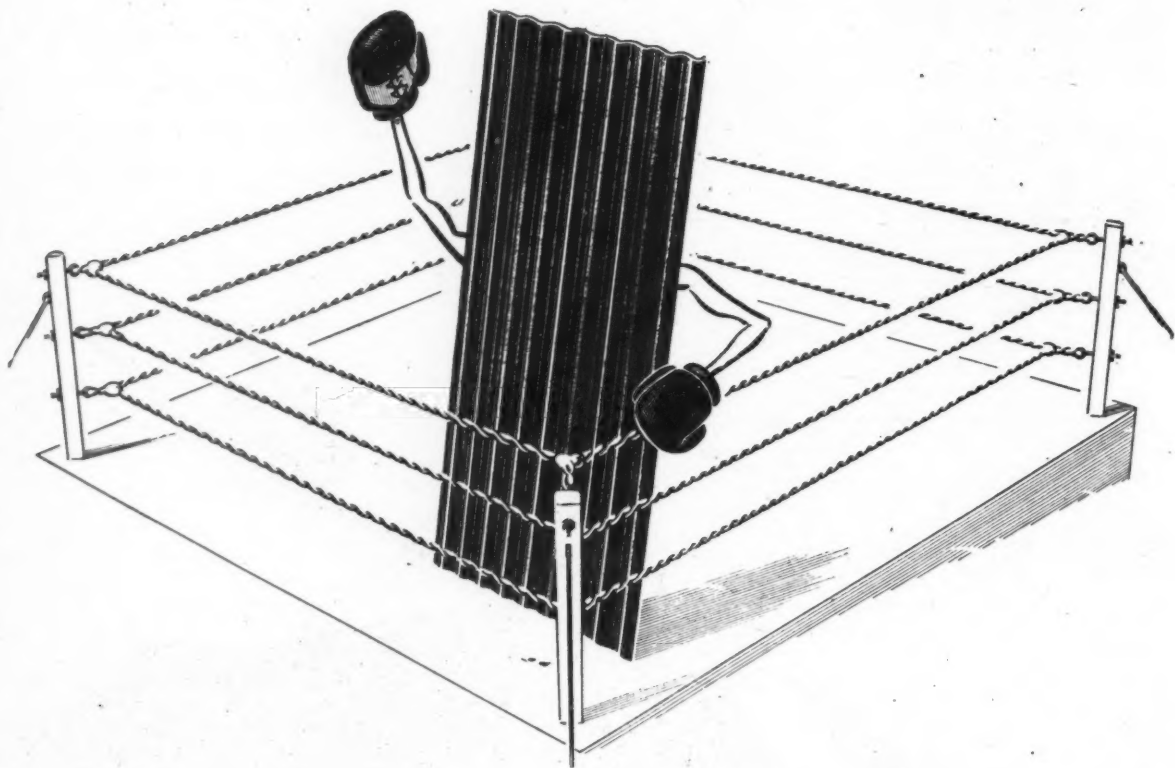
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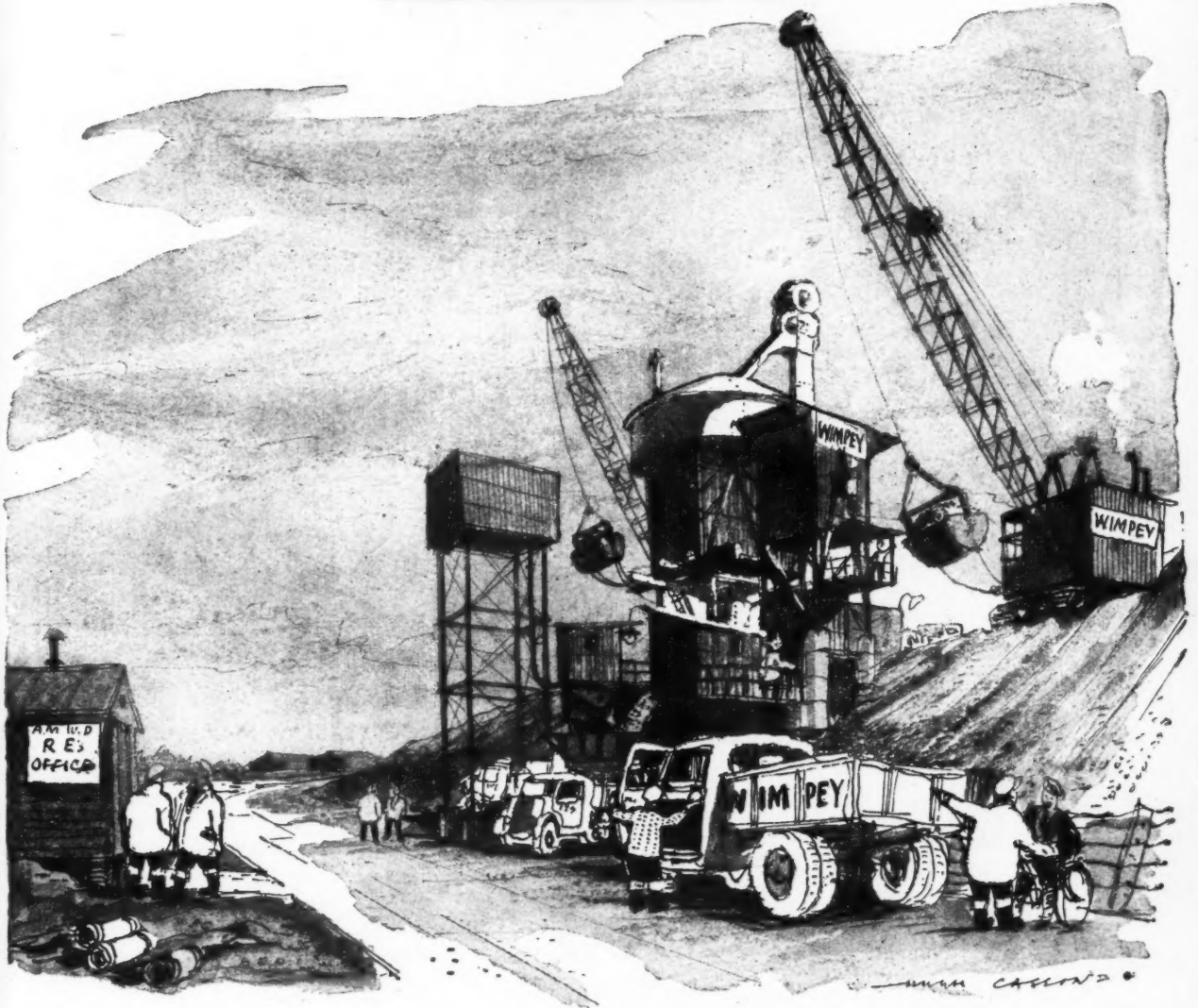
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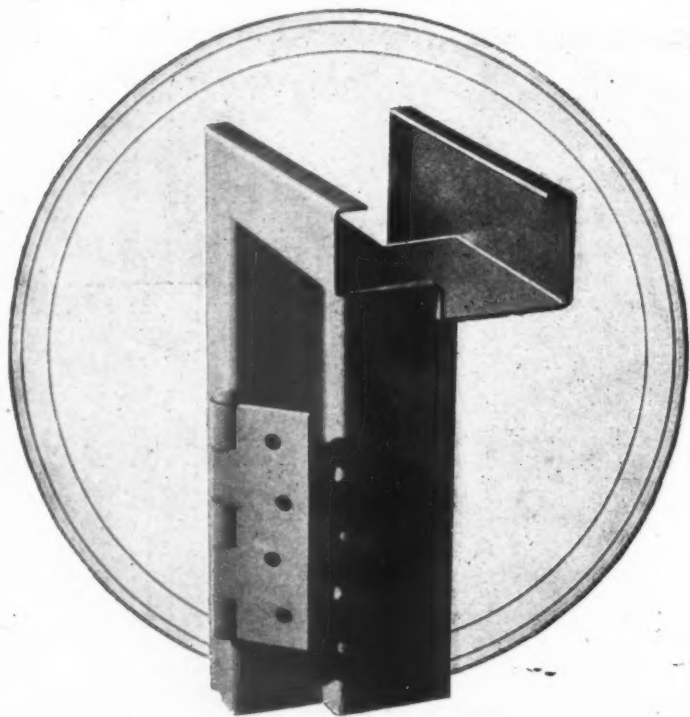
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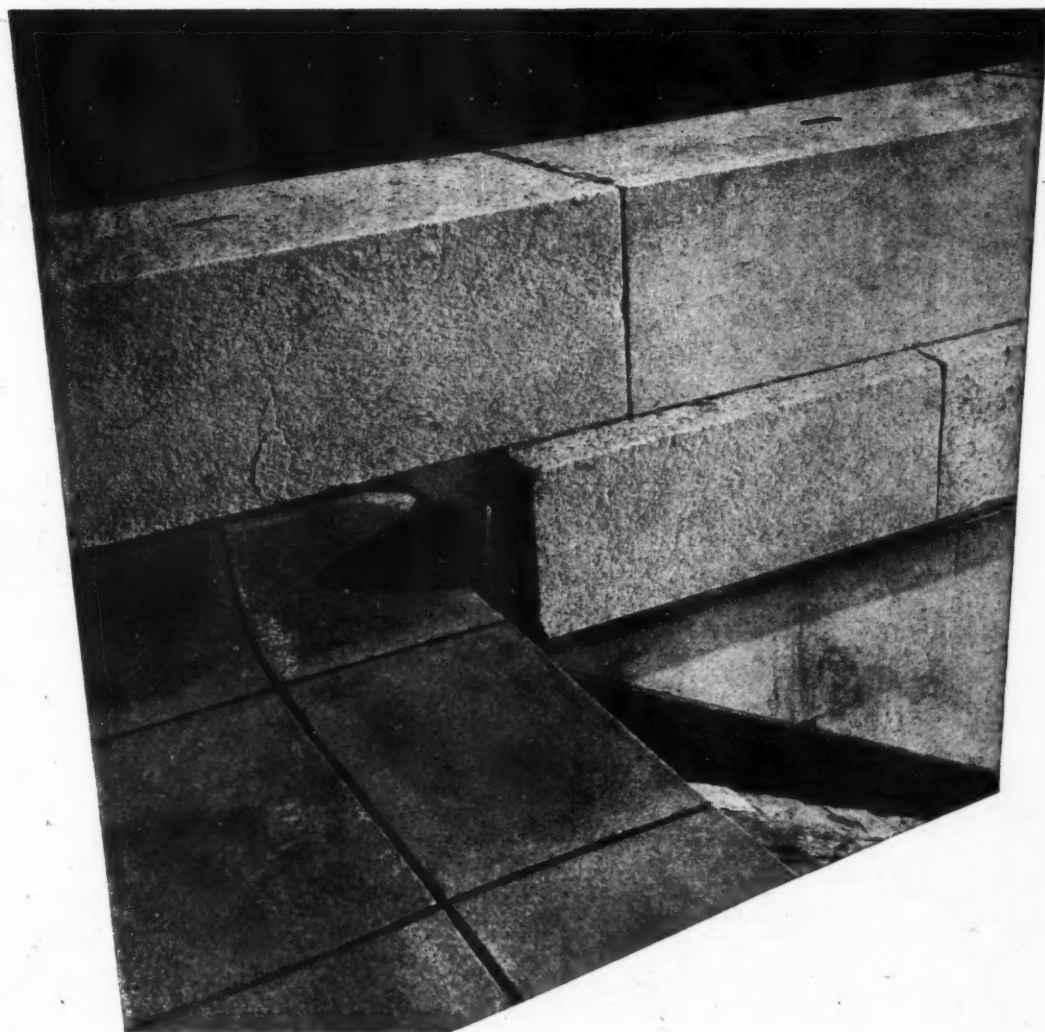
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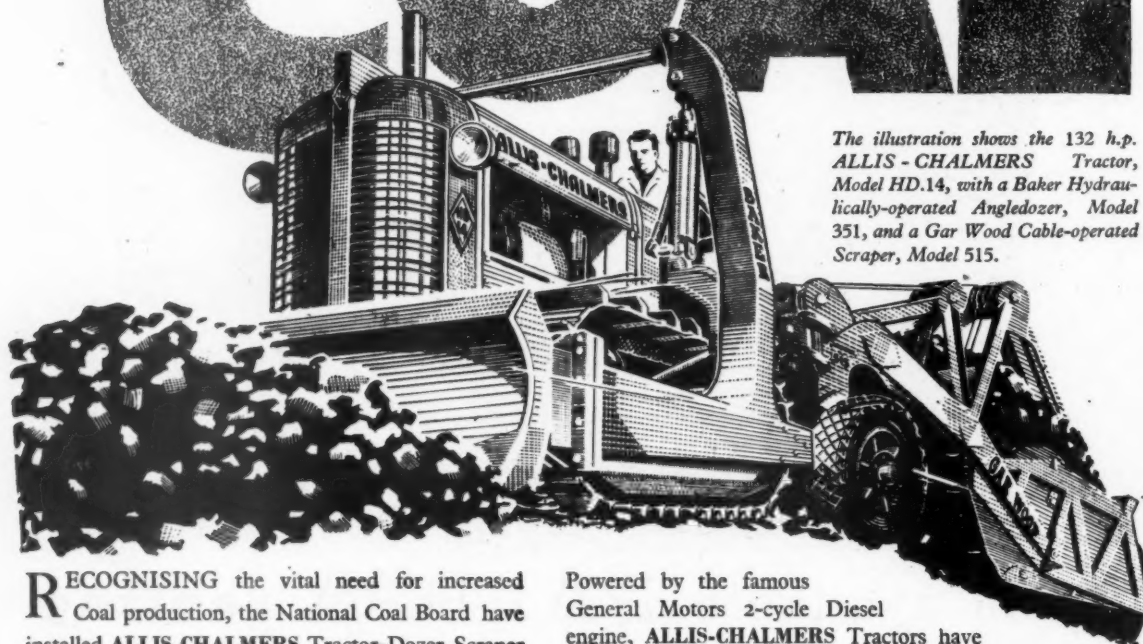
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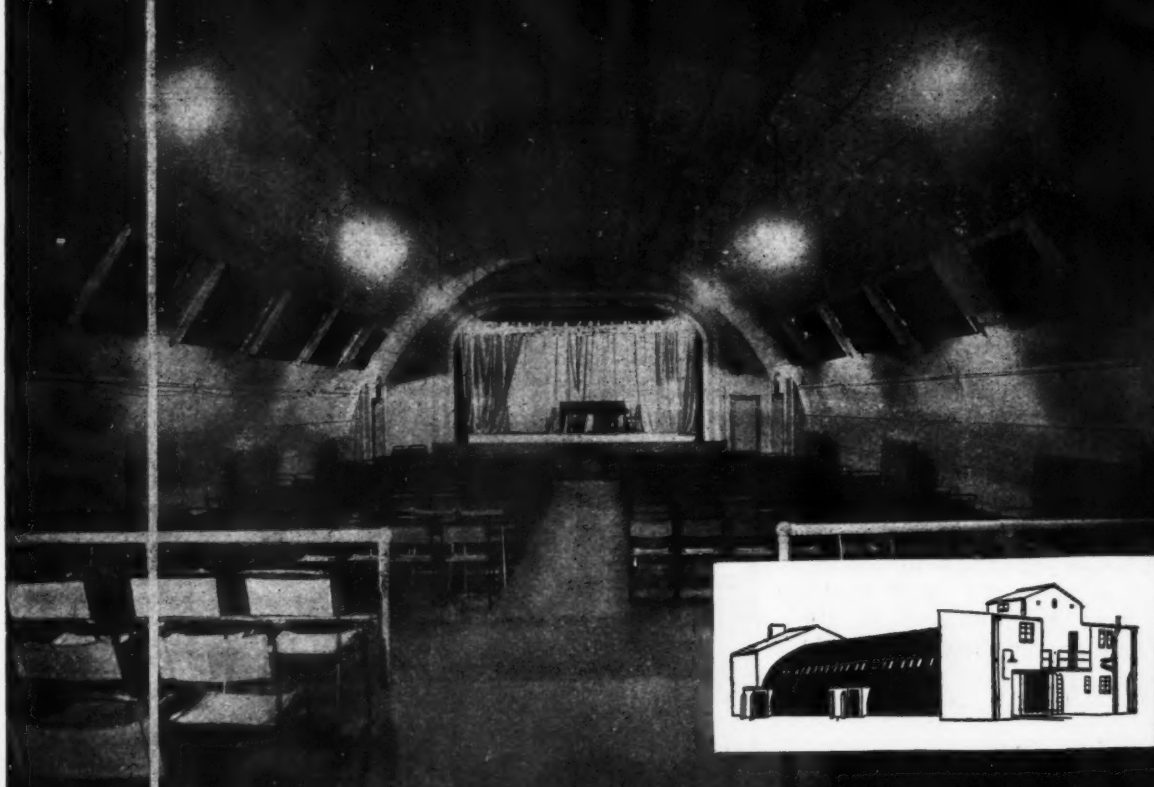
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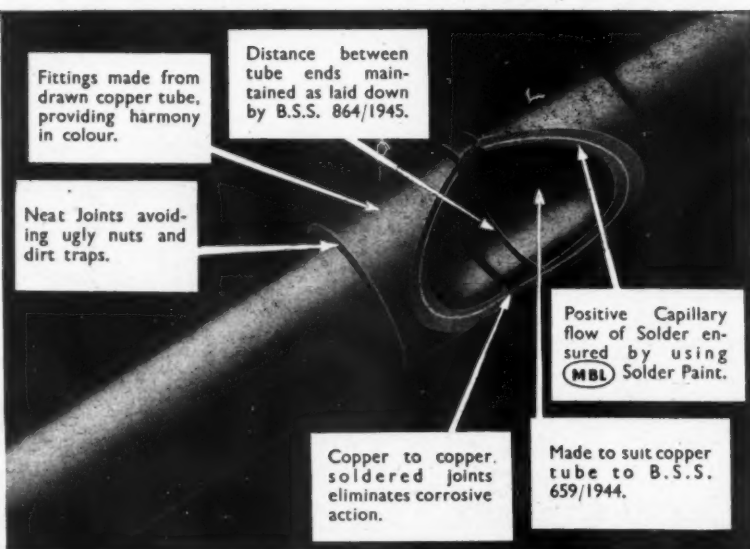
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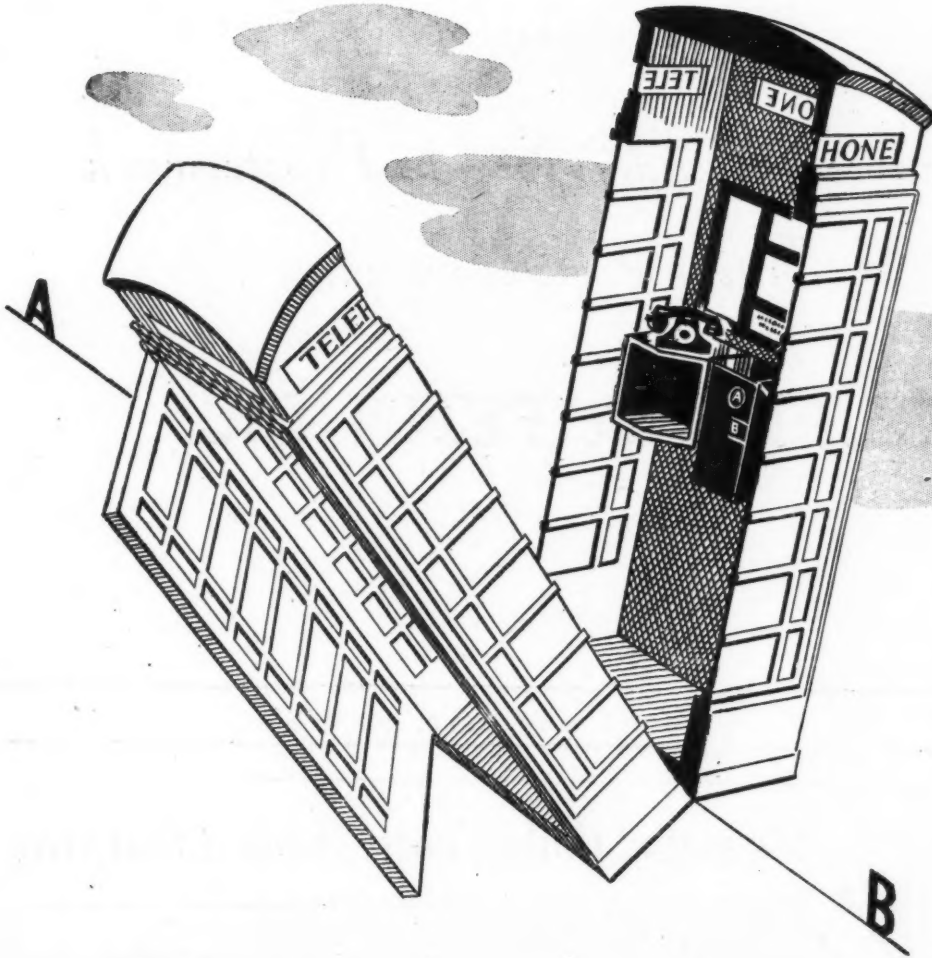
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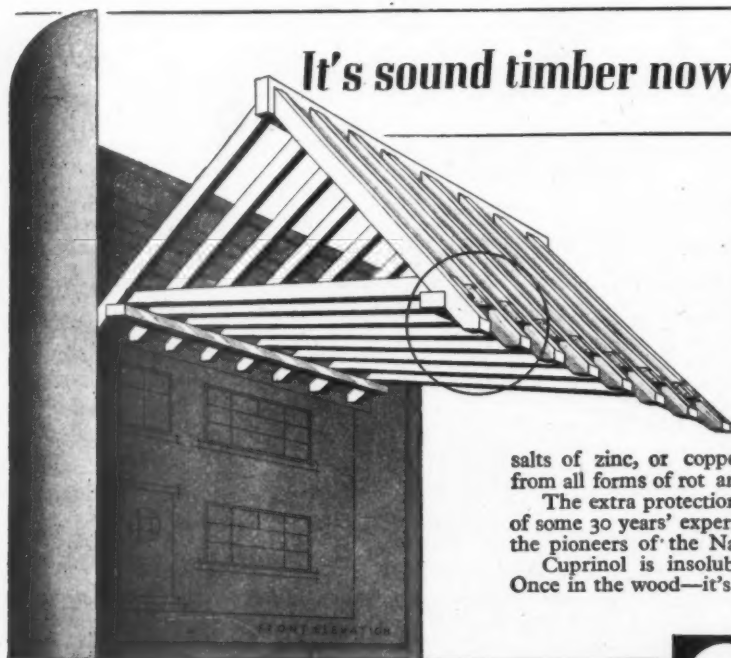
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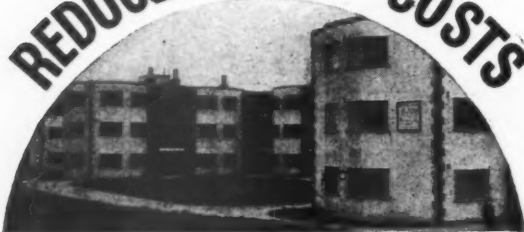


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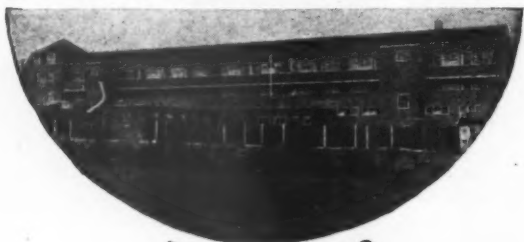
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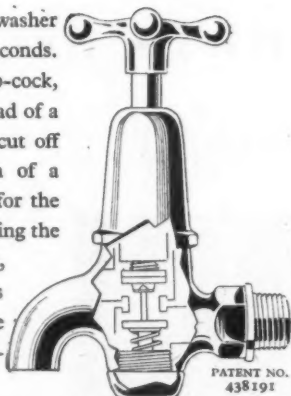
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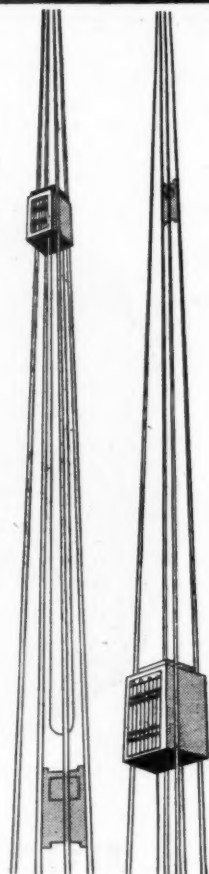
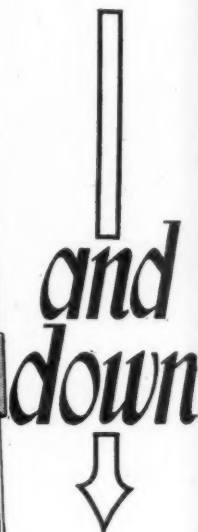
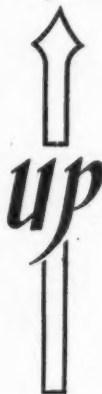
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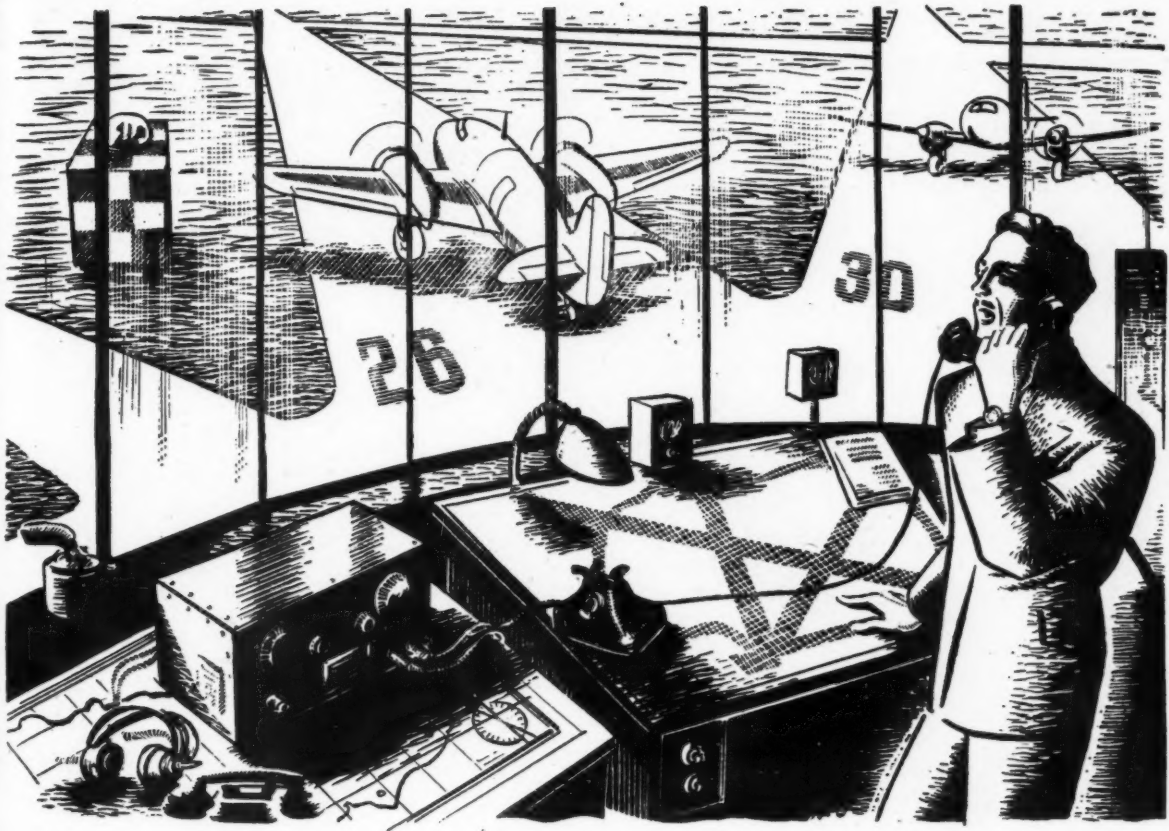
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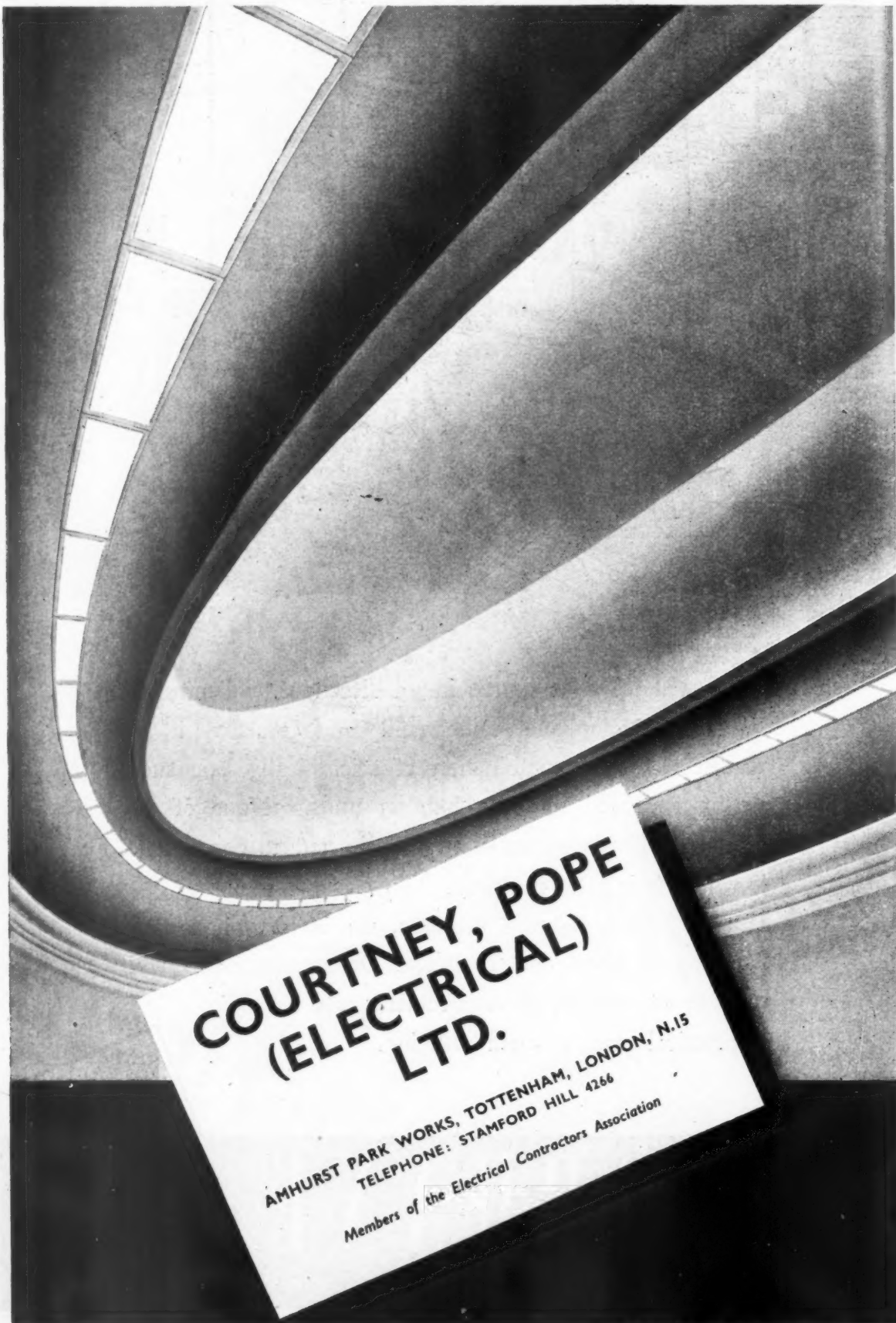
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DIARY FOR JULY AUGUST AND SEPTEMBER

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

BRISTOL. *Building Science Exhibition.* At George Wills Museum. (Sponsor, DSIR.) OCT. 20-NOV. 1

CAMBRIDGE. *Timber Technology Instructor's Course.* At Cambridge University, under the direction of E. H. B. Boulton, Technical Director and Education Secretary of TDA. Among the lectures to be given are: Dr. W. P. K. Findlay, *Fungi*; R. Goat, *Mensuration*; P. Harris, *Sawmilling*; E. Pinto, *Adhesives*; P. O. Reece, *Mechanical Properties of Timber*; Mr. Stevens, *New Aspects of Seasoning*. (Sponsor, TDA.) AUG. 15-23

Building Science Exhibition. (Sponsor, DSIR.) AUG. 18-30

CARDIFF. *Building Science Exhibition.* (Sponsor, DSIR.) SEPT. 29-OCT. 11

DARMSTADT. *International Congress for Engineering Education at Darmstadt.* An International Meeting, dealing with problems of technical education. Eminent scientists and engineers from all countries will present papers. (Sponsor, Technische Hochschule, Darmstadt.) UNTIL AUG. 9

EDINBURGH. *Enterprise Scotland 1947.* An exhibition of industrial design. At the Royal Scottish Museum, Edinburgh. (Sponsors, Scottish Committee of the CID.) AUGUST 25-SEPT. 30

HULL. *Georgian Exhibition.* Measured drawings and pictures of local Georgian architectural works. At the Mortimer Gallery, Kingston-upon-Hull. (Sponsors, Georgian Society for East Yorkshire in conjunction with Museums Department, Hull.) JULY 31

HYDE. *Ideas on Design in the Home Exhibition.* At Bayley Hall. (Sponsor, Arts Council.) UNTIL AUG. 2

LONDON. *Infra-Red Heating by Gas Exhibition.* At Gas Industry House, 1, Grosvenor Place, London, S.W.1. (Sponsor, British Gas Council.) UNTIL JULY 31

AA School of Architecture Exhibition of Students' Work. At 34, Bedford Square, W.C.1. (Sponsor, AA.) 10 a.m. to 6 p.m. JULY 31

Royal Society of British Artists Summer Exhibition. At Suffolk Street Galleries, Pall Mall, S.W.1. (Sponsors, RSBA.) UNTIL AUG. 7

News of the World Home Making Exhibition. At the Horticultural Hall, Westminster. 10 a.m. to 6 p.m. (Tuesdays and Thursdays to 8 p.m.) UNTIL AUG. 8

Australian Textile Design. Exhibition of furnishing fabrics with Australian aboriginal, plant, flower, and animal motifs. At Australia House, Strand, W.C.2. UNTIL AUG. 9

Industrial Wales. An All-Wales and Monmouthshire Exhibition. At Olympia. The main purpose of the exhibition is to make more widely known the importance of Wales as an existing and potential industrial centre, and to demonstrate the wide variety of products now manufactured there. (Sponsor, Industrial Association of Wales and Monmouthshire.) AUG. 28-SEPT. 13

Twenty-second Building Exhibition, 1947. at Olympia. (Sponsors, H. Greville Montgomery, A.R.I.B.A. (HON.) and Hugh R. C. Montgomery, M.C.) NOV. 19-DEC. 4

MAIDSTONE. J. C. Browne. *Paint.* At the Maidstone Technical Institute. (Sponsor, South-Eastern Society of Architects, Tunbridge Wells Chapter, Maidstone Group.) 7 p.m. AUG. 20

E. H. B. Boulton. *Timber. Its Properties, Defects, Preservation and Uses.* At the Maidstone Technical Institute. (Sponsor, South-Eastern Society of Architects, Tunbridge Wells Chapter, Maidstone Group.) 7 p.m. SEPT. 17

OXFORD. *Building Science Exhibition.* At the Electricity Showrooms. (Sponsor, DSIR.) UNTIL AUG. 9

SOUTHAMPTON. *Building Science Exhibition.* At the Art Gallery, Civic Centre. (Sponsor, DSIR.) SEPT. 6-20

SURBITON. *Art in England.* Summer School. At Hillcroft College, South Bank, Surbiton, Surrey. UNTIL AUG. 9

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

WESTON-SUPER-MARE. *Exhibition of Plans and Models for the Redevelopment of the Borough by Clough Williams-Ellis and Lionel Brett.* Official opening by Lewis Silkin, M.P., August 13, 3 p.m. AUG. 13-31

NEWS

THURSDAY,
No. 2738

July 31, 1947
Vol. 106

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

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

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

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

★
A short course, entitled *The New Building*, is now in progress for Heads of Building Departments and Senior Lecturers responsible for the general DEVELOPMENT OF BUILDING EDUCATION in technical colleges, at Queen's College, Oxford.

The course, arranged by the Ministry of Education, extends until August 8, and deals with the educational problems arising out of the utilisation of new materials and new methods in the technique of building. In addition to lectures by persons prominent in the building industry and its associated professions, important sections of the course will be devoted to lectures and demonstrations relating to recent scientific developments and arranged in collaboration with Sir Reginald Stradling, F.R.S., Chief Scientific Adviser to the Ministry of Works, and Dr. F. M. Lea, Director of Building Research. It is also hoped to include several special demonstrations. Lectures have been arranged on the following subjects:—Soil Mechanics; Durability and Weather Resistance of Building Materials; Heat Insulation; Sound Insulation and Heating; New Methods of Building Construction for Housing; Labour Requirements for Housing; Comfort in the New Home; the Contribution of Education to the New Building.

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From AN ARCHITECT'S Commonplace Book

EQUAL AND OPPOSITE. [From Le Corbusier, 1938-46, Les Editions d'Architecture Erlénbach-Zürich.] One cannot and one never could confide to the same mind or to the same person the task of reconstruction . . . and the task of town-planning . . . to ensure the future of the country. The reconstruction—the satisfaction given to the people affected by the war—wanted urgent methods, methods of force, high-speed decisions, and men whose character enables them especially to put away at once obstacles and to shake off laziness. Town-planning, on the contrary, wants quality of brain and a special time-table. Pre-vision, thought, philosophy of life, wisdom, real social feeling, economy and politics are needed first of all. These two activities are so different that you cannot put them under the same head.

Portsmouth Planning and Reconstruction Committee is to recommend the City Council to approve a scheme for a NAVAL WAR MEMORIAL at Portsmouth.

It is proposed to make the existing naval war memorial, which was erected on Southsea Common after the 1914-18 war, the central feature of the new memorial and to construct a new approach to it in the form of a 300-yards wide avenue, which will lead across Southsea Common and divide it. There will be two roadways, separated by a main strip 100 feet wide, and four rows of trees. On the landward side of the memorial there will be constructed a terrace and sunken gardens, and on the terrace walls will be placed the names of 45,000 officers and men of the Royal Navy and Royal Marines who lost their lives in the second world war.

★★★

After the decision of the House of Lords dismissing the objectors' appeal, work on the NEW TOWN OF STEVENAGE has already begun.

Announcing this start, Mr. Clough Williams-Ellis, chairman of the Development Corporation of the new town, stated that long-term development plans had not been completed, but 100 aluminium prefabricated houses would be erected this year for workers, and during 1948 400 aluminium prefabricated houses, 200 permanent flats, and 200 permanent houses would be put up. Agreement has been reached with local landowners on the diversion of the Great North Road west of the town for a distance of 8½ miles. He hoped the new road would be ready in five years and that it would be the finest by-pass in the country.

Key posts that had been filled included those of general manager, and finance, estate and legal officers. Mr. Charles Madge, of Mass Observation, had been appointed social development officer. Posts still to be filled included those of architect-planner, works manager, chief engineer, and quantity surveyor.

Mr. Williams-Ellis said he thought it would be two or three years before any real development would be seen.

More than 1,200 firms have applied for sites in the new town—many more than space could be found for. The final cost of the development is expected to be about £30,000,000.

Kingston-upon-Hull Development Committee in its 1946 Report states that the Corporation has approved SCHEMES OF REHABILITATION AND EXTENSION involving an expenditure of £3,000,000. The extent of the work to be accomplished is shown by the figure of 313 factories,

destroyed or damaged, and totalling 12½ per cent. of the industrial accommodation. During the year 75 important industrial building schemes were either completed or in progress, and details are given of more than 20 cases where negotiations have been concluded for new sites or buildings.

★

A NATION-WIDE BIOLOGICAL SERVICE under a permanent nature conservation board to preserve and study the wild life of England and Wales is recommended in a report by the Wild Life Conservation Special Committee (England and Wales).

The committee was appointed in August, 1945, to advise the National Parks Committee (England and Wales). The main recommendation is that the Government should take general responsibility for conserving and controlling the country's flora and fauna. The geological and physiographical features on which the plants and animals live and depend should also be maintained and protected.

The committee proposes that 73 specified areas, totalling less than 70,000 acres but representing the characteristic types of natural vegetation with the accompanying fauna, should be preserved as national nature reserves, and that larger conservation areas should be designated in which changes in land use should be subject to consideration of the biological and physiographical as well as the other interests. The report,

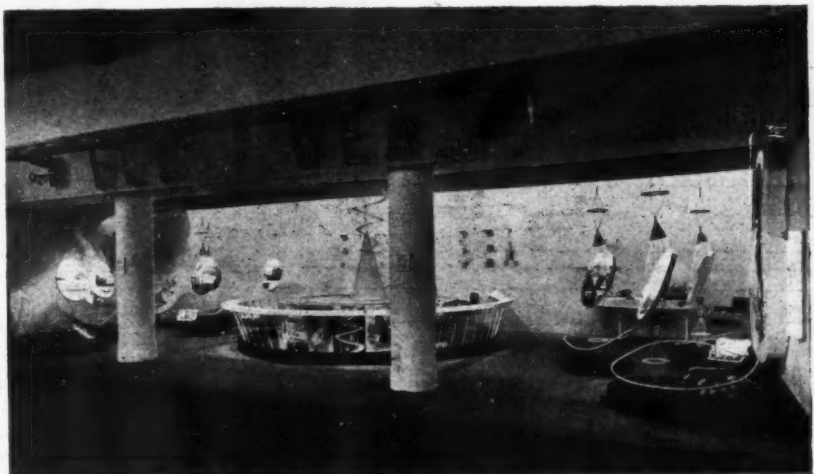
issued by the Ministry of Town and Country Planning, is obtainable from the Stationery Office, Cmd. 7122, price 4s.

Becoming unsafe after nearly seven years exposure, the NORTH WALL OF ST. JAMES'S Piccadilly, is to be restored.

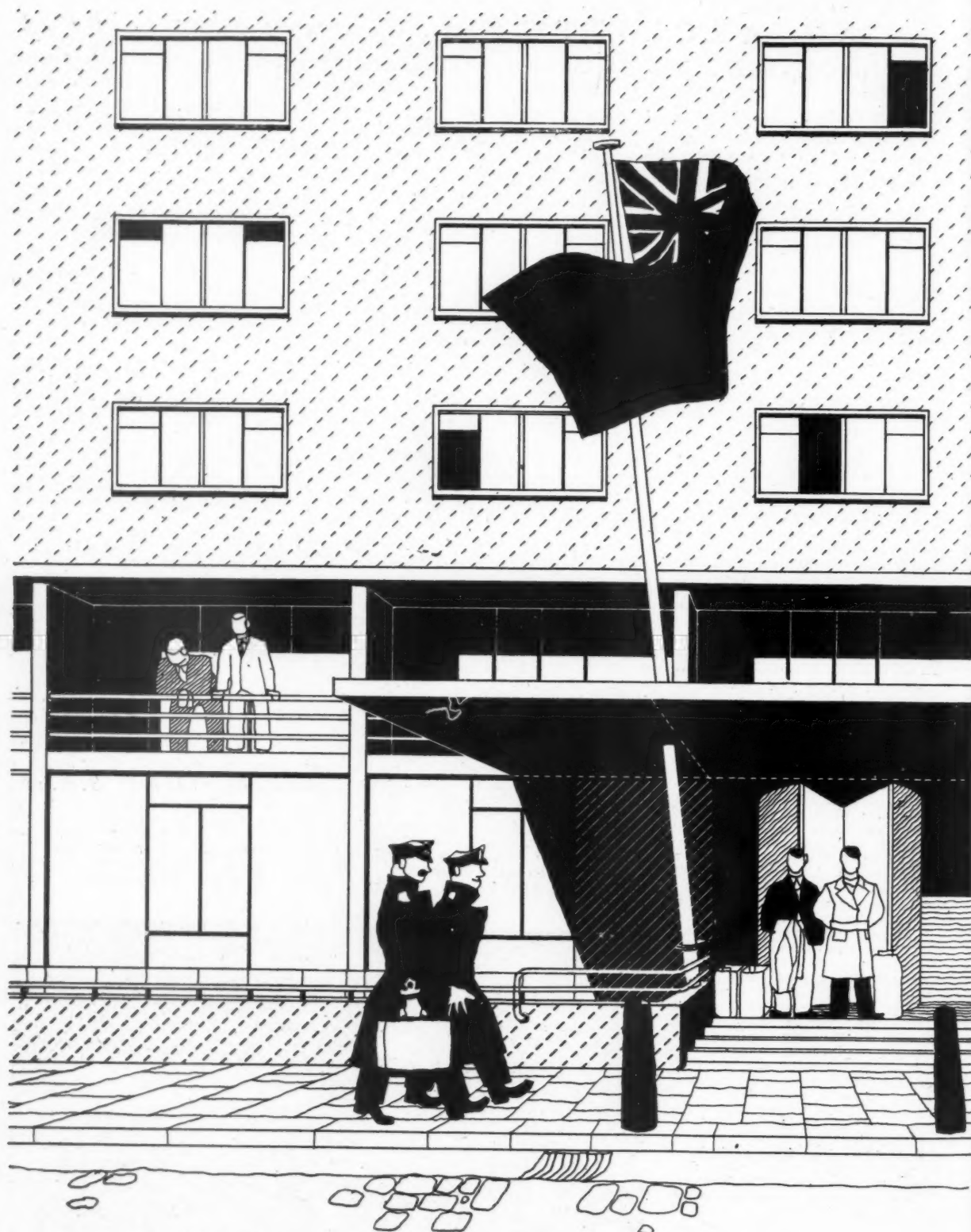
A Licence from the Department of Ancient Monuments has been obtained, backed by the Ministry of Works, sanctioning the repair of the wall, and work will probably begin in August. It will be entrusted to craftsmen trained in structural work on ecclesiastical buildings, whose skill is not required for house building.

Messrs. Horace Farquharson and Donald H. McMorran, F.F.R.I.B.A., have been awarded the LONDON ARCHITECTURE BRONZE MEDAL for the Blackheath Road Police Section House (now temporary Police Station), Catherine Grove, Blackheath, S.E. 10.

As the award was suspended during the war, the RIBA Council decided that all buildings situated within a radius of eight miles from Charing Cross, completed during the ten years ending December 31, 1946, should be eligible for the award.



The theme of this exhibition, staged in the booking hall of Charing Cross Underground Station, is a journey to the Continent by BEA and a series of photographic displays illustrates an overnight visit made recently to Amsterdam by John Clark, star of the BBC feature Just William. The exhibition was designed by Edward Sharvell and constructed by Beck and Pollitzer. Flowers for decoration are being flown regularly by BEA from Holland. The exhibition closes on August 9.



Jobs in the making: Red Ensign Club

The rebuilding of the Sailors' Home and Red Ensign Club, Dock Street and Ensign Street, London Docks, designed by E. Brian O'Rorke and Colin H. Murray, is to be carried out in two parts. While the first instalment—the front of the Club in the Dock Street wing—is being pulled down and rebuilt, the Club will carry on

in the Ensign Street wing. When both sections are completed the accommodation will include a recreation hall, dining room, billiards room, lounge, garden court and 307 bedrooms for seamen, including 32 for officers and 15 for boys. Plans and photographs of the model of the new scheme and the old Club are reproduced on pages 97 to 99.

A
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A Vocational Training Scheme for CARVERS IN WOOD AND STONE has been agreed to by the Ministry of Labour in consultation with the Master Carvers Association and the National Amalgamated Furnishing Trades Association.

Training will be for able-bodied or disabled men, but they must have a good standard of artistic perception, be of good general physique with good hands and eyesight, and intending stone carvers must be able to work on scaffolding at heights. The course, both for wood and stone carving, consists of 26 weeks at a training school, followed by two years in an employer's studio.

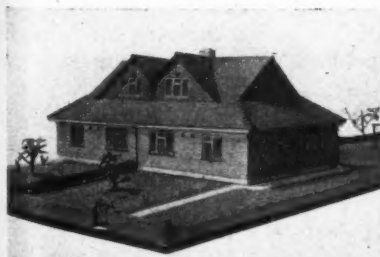
★

Building and civil engineering work to the value of 75 million pounds will be carried out on ELECTRIC POWER STATIONS during the next two years, to help bridge the gap between supply of electricity and the growing demands of industrial and domestic users.

Site work is in operation on 63 building projects. Plans for 13 further projects have been approved and site work will start shortly. A further programme covering the next two years is at present being drawn up. The projects, which are part of a continuous programme, are for new stations or for extensions to existing power stations.

The King and Queen were present at the dedication by the Dean of an altar in the nave of ST. GEORGE'S CHAPEL, WINDSOR as a thank-offering for Victory and a memorial of those who died in the war.

The altar, designed by Mr. W. A. Forsyth, F.R.I.B.A., stands on a base of bleached wood, is of blue and gold with blue hangings, and the ornaments, the cross and candlesticks, are of silver. It stands at the foot of the two steps which lead from the nave to the choir, and can easily be moved if necessary. As the nave has hitherto had no altar, it fills a long-felt need. In addition to the Dean, the clergy present were Canon A. Stafford Crawley, Canon S. L. Ollard, Canon Duncan Armytage, Dr. E. H. Fellowes, the Rev. H. W. Dunn, and the Rev. C. H. Hare. There was a large congregation, which included the Military Knights of Windsor in full uniform under Major-General Sir Charles Kavanagh.



A model of a chalet-bungalow designed by Davis Estates. Built in two stages, the ground floor only is first completed. Later, two extra bedrooms can be constructed on the first floor and a prefabricated staircase fitted.

NATIONAL PARKS AND PLANNING

IT has for long been agreed that Britain ought to have National Parks, and it is probable that the publication of the Hobhouse report* will be followed fairly quickly by legislation and that within a few years the first of the Parks will be welcoming visitors. Britain is late in establishing National Parks, but we have the excuse that our's are a special kind. This country contains no large areas that are still in a primitive state, and the idea behind the British National Parks movement has been that of giving special protection to some of the beautiful and fairly wild parts of a highly populated country.

The Committee has accepted without alteration Mr. John Dower's definition of a British National Park :

An extensive area of beautiful and relatively wild country in which, for the nation's benefit and by appropriate national decision and action, (a) the characteristic landscape beauty is strictly preserved, (b) access and facilities for public open-air enjoyment are amply provided, (c) the wild life and buildings and places of architectural and historic interest are suitably protected, while (d) established farming use is effectively maintained.

It is unlikely that this definition, which is at the same time a declaration of the aims of the future National Parks Commission, will be seriously challenged. Yet the second of these aims is to some extent incompatible with the other three. To clean up and preserve a National Park is one thing : to publicize it, improve access and increase holiday accommodation in times of holidays with pay is quite another. But this is a case where contradiction has to be accepted and overcome. The Parks must be kept beautiful and must provide for an increasing number of visitors who appreciate a holiday that is a contrast to town life and town recreations.

The Committee proposes a special degree of planning control in National Parks, and has understandably felt the need to justify its claims by listing the present defects of planning control: But the more one studies the problems which a National Park Committee should do in its capacity as a planning authority the clearer it seems that they are all things which should be done by every good planning authority throughout the country. Viewed in this light, the Committee's recommendations on planning deserve very thorough scrutiny. An important aspect of the planning recommendations for National Parks is the proportions in which "preservation" is to be mixed with "development." The Committee is far too enlightened to wish to prevent new development or that it should be of a fake antique kind. Nevertheless, it genuinely desires to keep the Parks substantially unchanged, and it follows—as inevitably it must—that the recommendations are now and then contradictory.

Moreover, there is no mention of manufacturing industry in National Parks except in that rather incorporeal form called rural industries, and extractive industries are chiefly mentioned from the point of view of closing them down. This surely will

* Ministry of Town and Country Planning. Report of the National Parks Committee, Cmd. 7121 HMSO 4s. 6d.

not do. It was obvious before the war that one man's preservation may be other men's unemployment, and the standard of living in much of the proposed National Park land was very low. Development plans for the Parks must provide for the needs of the resident population, including winter employment for those who cater for summer visitors. Any such development, however, must be very carefully sited and controlled.

In brief, therefore, the JOURNAL believes that the Hobhouse Committee's recommendations will be generally accepted as regards the areas chosen and problems to be surmounted. But it 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.



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

AA OCCASION

To some people any kind of fête is worse than death, but a prize-giving is always a cheerful affair, because there—in the words of Mr. Howard Robertson—one sees the rare and pleasant sight of industry and talent duly rewarded. A large gathering assembled at the AA at this annual ceremony, and it was pleasant to see, beyond the parental ranks of speech-day hats and polished pates, the beaming faces of Mr. Robert Atkinson and Mr. Howard Robertson, both of them past-principals of the AA and neither of them (as Sir Lancelot Keay revealed) ever prize-winning students themselves.

With the prizes Mr. Atkinson gave away some amusing recollections of his own experiences as principal (when, according to another speaker, he had

done 80 per cent. of the designs himself), and recalled that his predecessor had been a generous and kindly architect who had once won a prize of £10,000—in the Irish Sweep. We had been warned to expect some pungent criticism of the school's work, but Mr. Atkinson—was in genial mood and merely deplored the absence of a yardstick by which to assess the merits of modern design, regretted the disappearance of shadow projection ("perhaps," he said, "the melancholy task of projecting the shadow of a wire-netting balcony upon a concrete wall may have had a dispiriting influence"), and criticised the prevalent perspective techniques as more suitable as magazine illustrations than as records of buildings.

A tour of the exhibition, which is throughout of a higher standard than last year's, confirmed these criticisms in some degree—to which I would add my own impression that, generally speaking, the colour work is unenterprising and not nearly as deeply considered by most students as, say, landscaping. One of the most interesting exhibits of all—illustrating the fifth-year group-working methods—was ruined for me by the harsh colouring of its presentation.

FLAT DENIAL

Most people know—after all, the *Sunday Express* published it—that Lord Louis Mountbatten's bedroom in his Park Lane flat is disguised as a ship's cabin, with a painted view of Malta visible through a "porthole." Few people, however, will believe the story that, in order to give greater realism to the scene, he would switch

on a record of a throbbing ship's engine. Anybody who has lived in a modern block of flats knows how unnecessary—and, indeed, inaudible—such a device would be. The hum and clatter of the lifts, the regular click and throb of the frig. in the kitchenette, the drumming roar of the oil-fired furnace in the basement, the whine of the forced ventilation to the ground-floor restaurant, the thunder of the passing traffic, the shudder of the burrowing Tube train, the chatter of the neighbour's radio, to say nothing of the occasional scrabble of a Maltese gang-fight in the foyer, build up familiar aural background compared with which a destroyer battling full speed through the Bay of Biscay is a silent ghost. No, sir, no throbbing engines—not even in Park Lane.



Three cent USA commemorative stamp. See Astragal's note below.

TIMBRE LINE

American latest commemorative stamp, a 3 cent maroon—designed to honour the doctors of the USA, carries a reproduction of Mike Filde's famous picture *The Doctor*, first exhibited in the Royal Academy in 1891 and now in the Tate Gallery. The cry "Is there a doctor in the house?" has now a new significance in the American home. All it means is somebody wants to post a letter.

GO GREAT WESTERN, YOUNG MAN

It's two to one Barman (Mr. Christian) is behind the new station clean-up operation announced recently by the GWR. Ever since he moved from 55 Broadway to Paddington we have awaited the first signs of a new aesthetic policy, and here (see photos opposite) they are: brighter nameboards, more legible lettering, tidier hoardings. Modest beginnings, perhaps, but with the help of Mr. Curtis, the newly-appointed GWR architect, we can confidently expect bigger and better improvements to come. May I, at the risk of being charged with preciosity,

put in a whispered plea for some of the smaller country stations? Built at a time when a cosy domesticity was considered a vital quality of railway architecture—in order to reassure the timorous passenger on the iron monster—they have a charm and character which would be easy to destroy and tragic to lose. Better nameboards, cleaner waiting-rooms, fresher sandwiches by all means, but go easy, please, on the fringed canopies over the country platform and the rustic porch before the station-master's cottage door.

COVENTRY

The question of the style of the new Coventry Cathedral flared up suddenly into a short-lived but fierce controversy and ended in a triumph for the RIBA. To those who have criticized in the past the Institute's failure to give a lead on architectural matters of public importance, it was gratifying to see its intervening so promptly to protest against the Harlech Commission's insistence on a building in the Gothic tradition.

In spite of the views expressed at the recent Diocesan Conference, the Cathedral Committee has sided with the RIBA. The competition is now to be a free one, the only restriction being that the new cathedral must be built of red sandstone. The next problem for the RIBA will be the very difficult one of nominating an assessor. This seems to me to be a case where an exception might usefully be made to the usual practice and a jury of several assessors appointed—as long as this would not mean putting too many likely winners out of the running.

NATIONAL PARKS AND MR. JOHN DOWER

The Report of the National Parks Committee* contains a tribute to an individual in which architects will take pleasure and pride. It runs as follows:—

"Lastly, in 1945 came the Report on National Parks in England and Wales by John Dower (Cmd. 6628). . . . In this masterly and convincing document the whole theory and purpose of National Park policy was most thoroughly and expertly surveyed. Its comprehensive solution of the problems involved and its wise proposals for their solution have been the basis of our whole inquiry and have formed a sound foundation upon which we have built the detailed scheme set out in . . . this Report."

From a Committee as distinguished as the Hobhouse Committee (which includes, to pick only one name, Dr. Julian Huxley) this is high praise; and it is deserved. The Hobhouse Committee has clothed the framework designed by John Dower, but after searching scrutiny the framework itself has been accepted virtually unchanged. Dower's definition of a National Park (which is also a statement of aims and policy) is accepted verbatim, his proposed National Parks are all accepted save one, and in numberless smaller items, from road improvement policy to the size of holiday camps, the Committee has failed to better Dower's proposals. When one thinks for a moment of the knowledge and resources available to the Committee in its scrutiny and the fact that the Dower Report was the single-handed work of an architect and town-planner, I do think his achievement may justly be called unique.

ASTRAGAL

* The report is the subject of our leading article this week.—Editor A.J.



LETTERS

H. T. Meyer-Montague

Advertisement Hoardings

SIR,—A vast amount of planning and nationalizing and other things have been going on during the last few years with a view to *beautifying* the countryside.

Amazingly enough, however, the most outstanding, the most glaring blot in the landscape



is not being dealt with, namely, advertisements.

A suburban railway station is not one of the most beautiful things in existence, but advertisement hoardings make them even more hideous.

Vast hoardings along a by-pass give the entire countryside an impoverished look; houses and fences plastered with posters give you the impression that people cannot afford their rent.

Why, oh why, don't we adopt the German habit of *Litfassäulen*—circular erections about 5 to 6 ft. in diameter, and 8 ft. high?

The exact design could be made the subject of a competition, and the fee for the advertisements could be profitable revenue for the State (instead of whisky and tobacco).

Bushey

H. T. MEYER-MONTAGUE



Cleaning up the G.W.R. See Astragal's note on opposite page.



Sooner or later economists and planners are likely to attack the size of the present housing programme. Should the housing target be cut or slowed down? This and other problems are discussed in the following article.



The Economic Crisis and the Building Programme

[by Ian Bowen]

In the face of the impending dollar crisis, economists and politicians are alike unusually reticent with advice or prediction. No very drastic changes in economic policy have yet been advocated. Most generally, Government spokesmen reiterate the need for harder work, and point to the incontrovertible fact that if things continue as they are we shall be uncomfortably short of necessities, and of course "luxuries," at some unspecified date next year; but these warnings have been dimmed by the uncertainty surrounding the Marshall plan. The Opposition speakers, on the other hand, put in their plug against nationalisation and patronage. Economists, for their part, tend to generalise about "deflation" or the "necessity of building up stocks"—skating round the fact that either of these policies means serious deprivations for some people in the immediate future, which is the one over-ruling political fact that renders either policy unpopular. Hence, in this impasse of drift, the State has reached a condition that might be called nationalised *laissez faire*.

What about the building programme? The mistakes have all now become obvious, whereas last year it needed a little thought to discover them; now it is recognised that too many houses may be started, as well as too few, that materials supply can easily

fall out of phase with building labour supply, and that labour is not as productive, or as plentiful, on housing work as it might be.

Last month's statistics, for example, showed that in the twelve months from May, 1946, to May, 1947, labour on housing work of all kinds had increased by 11,800, while labour on all other types of work had increased by 95,200. This was due not only to the large factory, electricity and educational programmes, but to excessive licensing of shops and commercial and other non-housing premises—excessive in relation to housing needs.

A CHALLENGE TO THE HOUSING PROGRAMME

Sooner or later, economists and planners are likely to attack publicly the size of the present housing programme. The arguments in favour of a cut will have a high degree of plausibility; since this country is reaching a dangerously inflationary situation through the efforts to do too many things at once, a cut in capital formation is an obvious, if unpopular, remedy.

The only reason, indeed, that this remedy has not been publicly advocated as yet, is its extreme political unpopularity. No doubt many critics of the present Government would like to urge this form of national economy, but they are restrained by the pledges of yesterday. But someone is bound to say, sooner or later, that king housing programme has no clothes.

Colour will be lent to this proposal by the figures which appeared for capital formation in 1947, in the *Economic Survey* published in February of this year. If the percentages then given are converted into sterling, it would appear that some £880 millions (at 1946 prices) was planned to be spent on building and civil engineering works in the current year, that is some £1,060 millions at current prices.

It is hardly surprising that some cut in this figure should be proposed; and it will not be long, perhaps, before to have advocated retrenchment on this item will be considered a hall-mark of bold statesmanship, or economic rectitude.

OBJECTIONS TO A CUT IN HOUSING

The political objection can be left on one side. It can, and no doubt will, speak for itself. There are, however, some economic objections that ought to be considered.

Objection number one is that the figure of £880 millions or so implied by the *Economic Survey* is a gross exaggeration. It has no consistency with the relative manpower figures for 1947 compared with 1946. There is planned to be only about a 12 per cent. manpower increase in the building and civil engineering industry this year over last. Owing to the fall of building labour employment in February and March this year, even this 12 per cent. will probably not be realised.

Cutting up the £880 millions will be cutting up a cake that is not there.

Secondly, new housing, and conversions and adaptations, are less than half of the total building and civil engineering work done each year—40 per cent. in 1946. As the labour figures show, the greatest increase in building this year has not been on housing work at all. If there is to be a cut, or a slowing down in the programme, housing might still be spared.

Schools, colleges, community buildings, offices, etc., urgently as they are needed, might be provided more extensively on a temporary basis. Temporary buildings are much more tolerable for such purposes than for housing.

Thirdly, the question arises whether there would not be more economic waste from cutting a programme half-way, when two years' intensive effort have resulted in some progress. All the gearing up of materials

supply, and plans, and roads, and sewers, and sites, has at last in part been accomplished. A cut now would mean a delay not of, perhaps, twelve months or two years, but of three or four years, before a large-scale programme could be resumed.

Fourthly, estimates of housing need, last calculated at the end of the war, are by now out of date. The record number of births in 1946 and the first half of 1947 has already changed the whole picture of family structure, particularly of those families most in need of new homes.

From the point of view of the architect, therefore, there are reasons to believe that any attack on the size of the present housing programme will be successfully resisted, by the use of these and other economic, as well as of political, arguments. Any scaling-down, or slowing-up, of the building programme is more likely to affect the more dispensable amenities, postponing schemes for city centres, civic buildings, restaurants and hotels, and even some of the educational programme.

SLOWING-DOWN THE BUILDING PROGRAMME

Instead of a plan for reducing the target set for housing, it would be wiser, perhaps, for the build-up in the total labour force in building and civil engineering to be set back a year or two. As late as March of this year, nearly 100,000 men were unemployed in this industry, and even in the summer the figure is running as high as 24,000. This compares with 6,000 in June of 1945.

This unemployment was partly the result of the special difficulties caused by the fuel cuts. In itself it forms a powerful argument for increasing the labour force in coal mining, and gypsum mining, and in basic materials generally, and for stabilising the constructional labour force at its present level. Certainly the target of 1½ million men in the building industry alone should be postponed until there is some indication of a great increase in materials supplies.

Since materials rather than labour are now the bottleneck, another reasonable measure to take would be to place greater emphasis on the conversion, adaptation and repair of existing premises, rather than on new building. This is not quite a correct way of stating the matter, since, as far as housing is concerned, an increase in the rate of converting and adapting old premises is not necessarily an alternative to new building; no reduction in the present new housing programme is implied by a stepping-up of conversions and adaptations. The latter have provided 47,000 dwellings for families since the end of the war—about as many as the local authorities' permanent housing programme. The rate of completion and starting of conversions and adaptations seems now to be slowing down. A new review of under-occupation of large old houses ought to be undertaken, and this, in conjunction with adequate provision of small dwellings for elderly persons, would probably produce many more suitable dwellings for other families, and certainly would require less materials per dwelling than new houses. Here is a field where the architect is particularly needed, for careful re-design of the adapted building.

In general, therefore, the attack on the housing programme which will develop over the next six months, will probably be repulsed with casualties on both sides, those who really dislike the working classes to be adequately housed having to expose themselves to cross-fire, while those who dreamed of re-building the slums in a few years will have to confess to an idealism that overlooked some very hard facts. The housing programme itself should proceed at its present steady pace, that is, at about two-thirds of the speed laid down for it under the Government's target.



RED ENSIGN CLUB REBUILDING SCHEME

BY E. BRIAN O'RORKE AND COLIN H. MURRAY



The plans for the new building for the Sailors' Home and Red Ensign Club, London Docks, have had to be made so that while the front in the Dock Street wing is being pulled down and rebuilt the club can still carry on in the Ensign Street wing. This will leave the present dining room and kitchen with a lounge and refreshment bar, and space for two billiards tables. The club offices will move into the present shop, for which temporary space will be made on the Ensign Street side. Upstairs the first floor may be used for officers and there will still be 130 bedrooms available

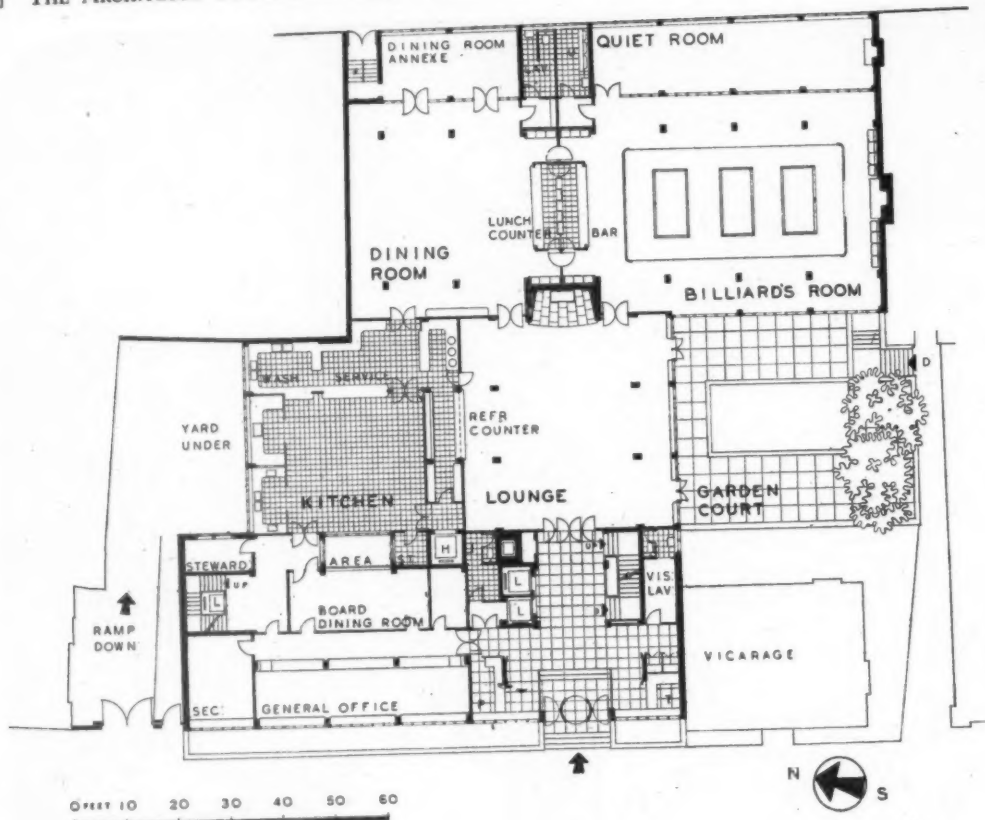
during the first part of the reconstruction.

When the new Dock Street wing is ready the plans are arranged so that the new kitchens and boiler house, and the new staircase, will come into use, and there will be a temporary dining room, bar and lounge on the ground and first floors, and 100 bedrooms in the upper floors so that the old Ensign Street building can then be demolished and rebuilt.

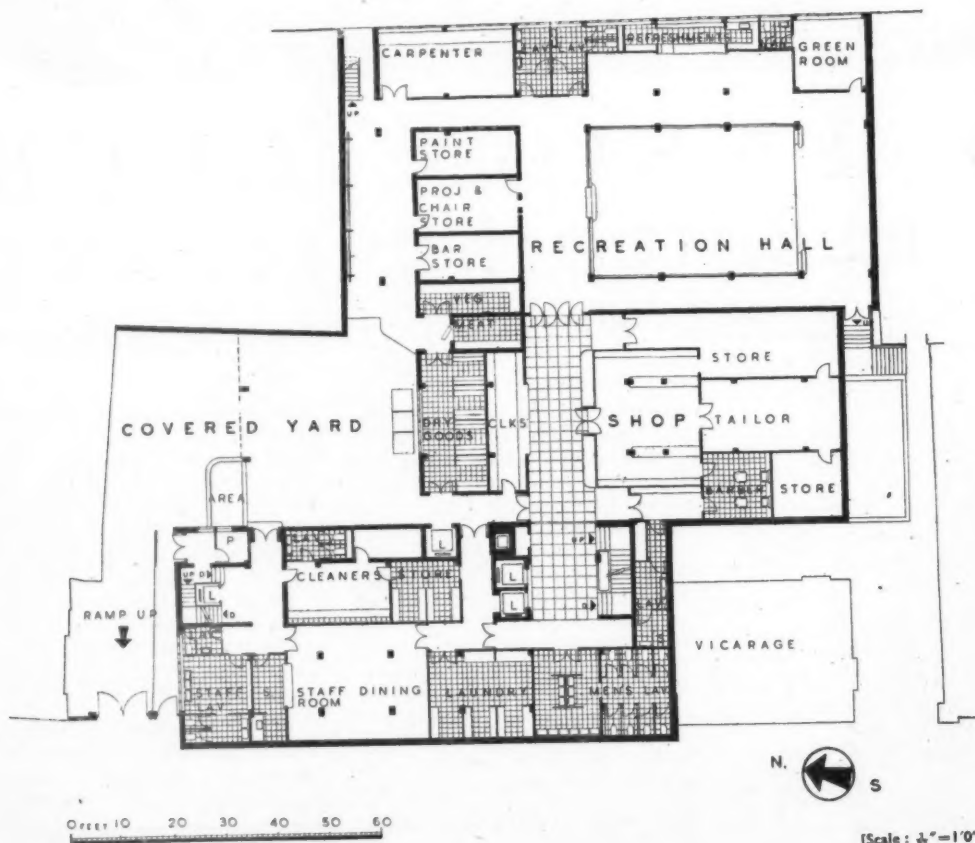
When the two sections of the rebuilding are both completed the club will be as the plans shown on the following two pages. The first floor is arranged for officers with their dining room, lounge, quiet

Top, Model of the new building. Left, the old club.

GROUND FLOOR PLAN

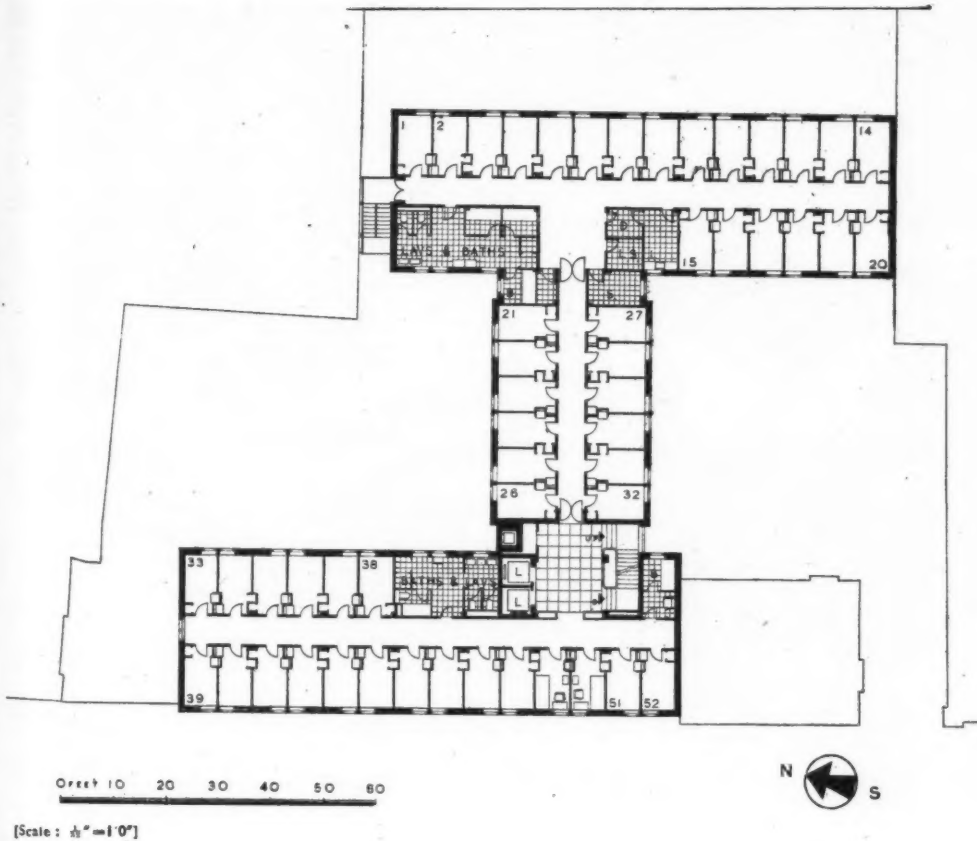


BASEMENT PLAN

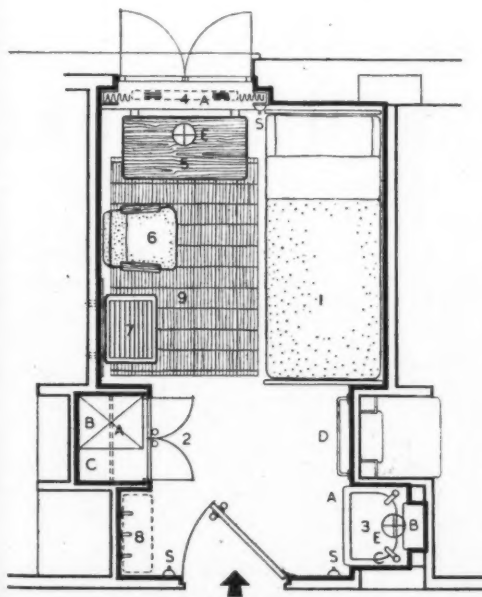


[Scale: $\frac{1}{8}'' = 1'0''$]

TYPICAL UPPER FLOOR PLAN



PLAN OF TYPICAL BEDROOM

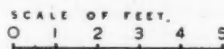


KEY

- 1 3'0" Bed.
- 2 Wardrobe.
- 2A Hanging rod, shelf over.
- 2B Shelves under.
- 2C Space for long coats.
- 3 Basin.
- 3A Tiles to recess.
- 3B Shelf and mirror.
- 3C Taps, easy to clean.
- 3D Towel rail.
- 4 Metal windows.
- 4A Metal window board, with radiator under.
- 5 Table with drawers.
- 6 Chair.
- 7 Suitcase rack.
- 8 Recess with hooks for hanging, and hat shelf over.
- 9 Floor rug.
- S El: switches.
- E El: light points.

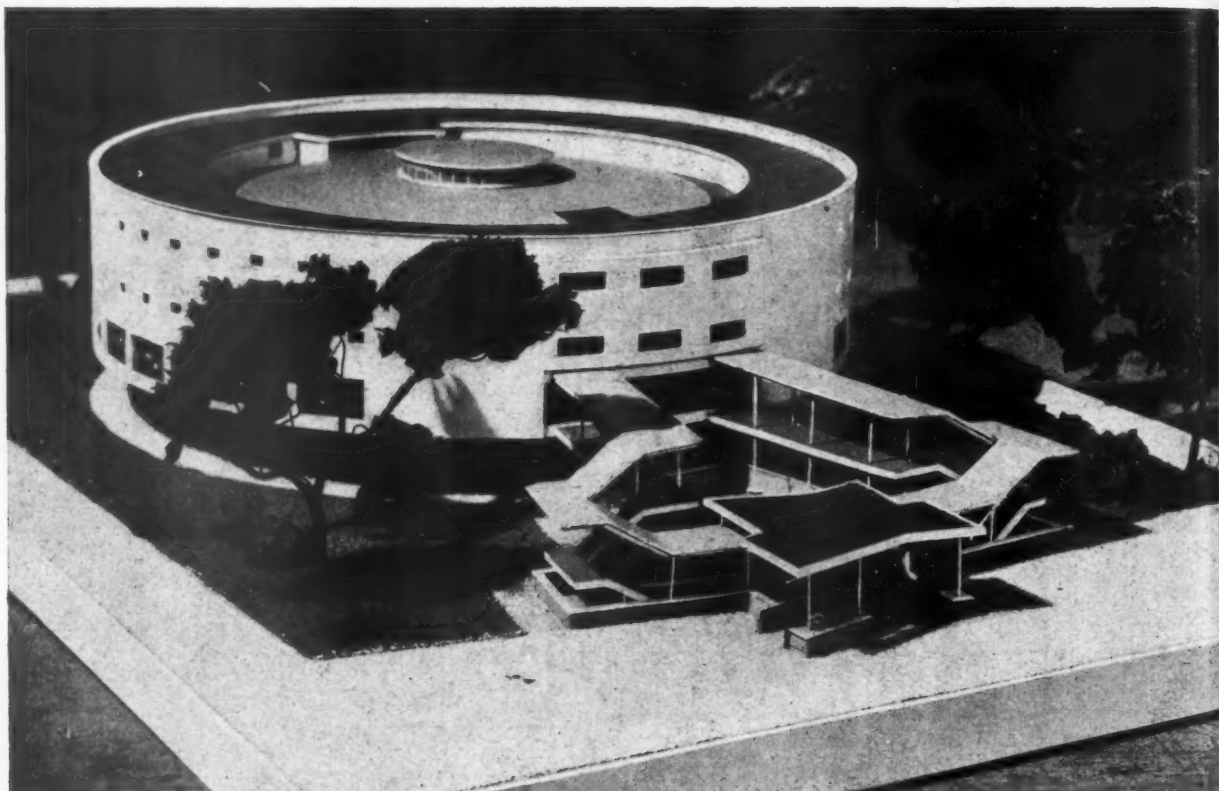
SIZE OF ROOM 6'9" X 11'3"

[Scale: 1/4" = 1'0"]



room, bar and billiards room on the Dock Street side, and 32 bedrooms on the remainder of the floor. The second to sixth floors are all the same with fifty-two bedrooms on each floor. In the front part of the seventh floor will be rooms for fifteen boys with their own recreation room and the remainder of the floor will be planned as quarters for resident staff. There will thus be 307 rooms in the new building, including the 32 rooms for officers and 15 for boys, but not counting rooms for resident staff. Each bedroom will have hot and cold water, a built-in fitted cupboard, a desk table and a chair. There will be four baths, two showers, and four w.c.'s on each floor, with a small room for washing and ironing clothes and a drying room next to the floor steward's room. The recreation hall in the basement can be used for cinema shows, dancing, concerts or theatricals and has its own small refreshment bar.

RED ENSIGN
CLUB: BY E. BRIAN
O'RORKE AND
COLIN H. MURRAY



SUMMER EXHIBITION

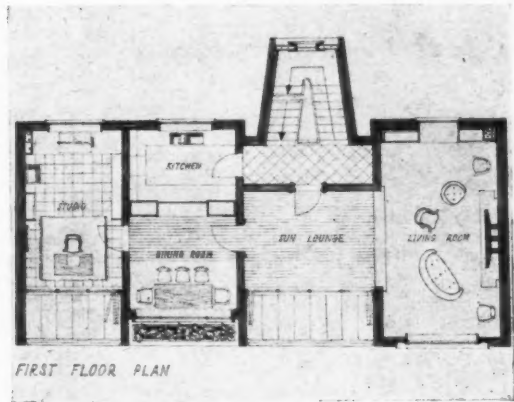
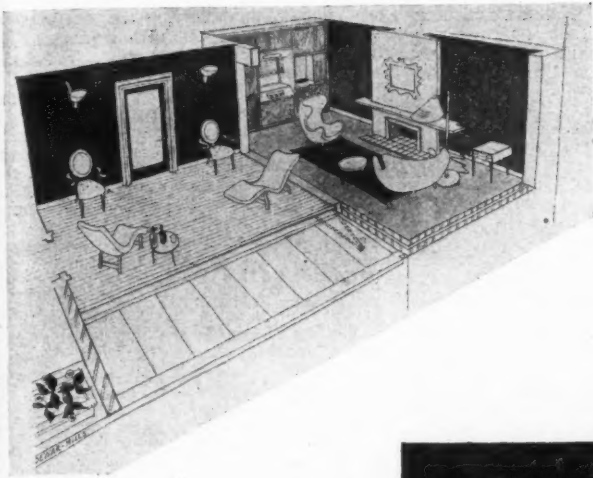
REGENT STREET POLYTECHNIC

SCHOOL OF ARCHITECTURE

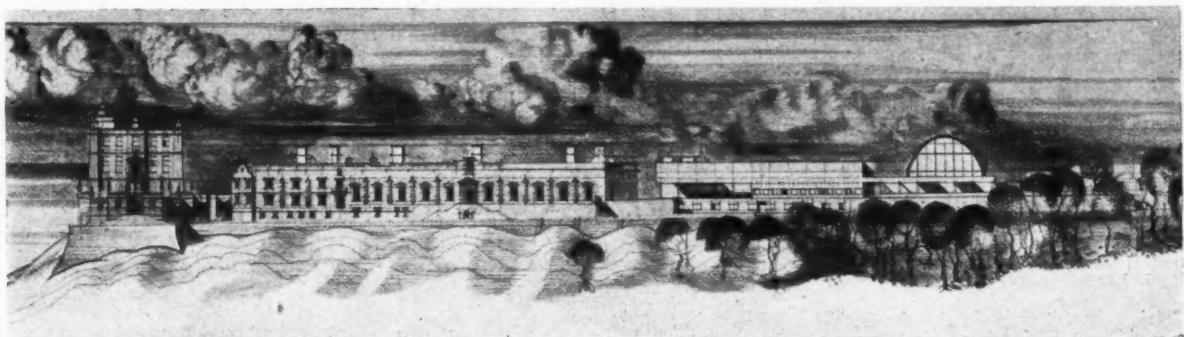
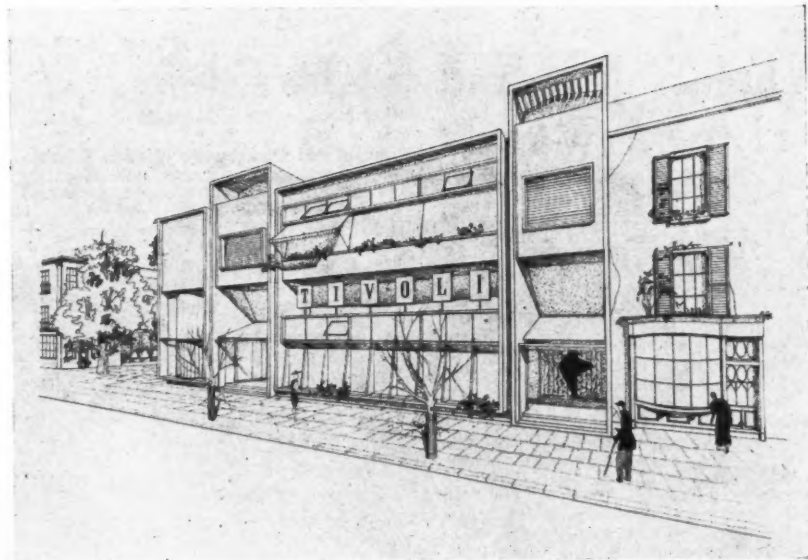
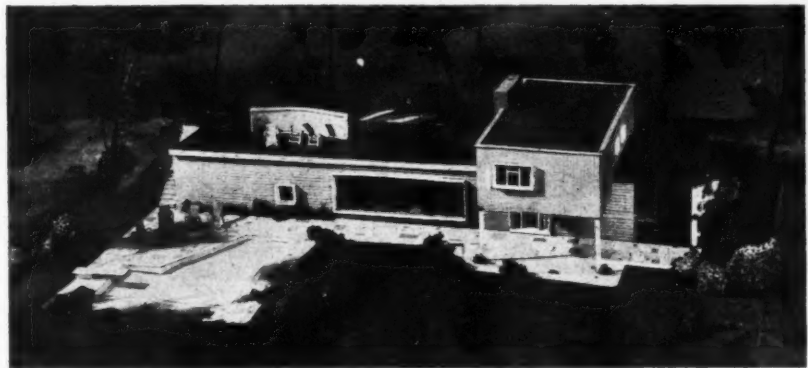


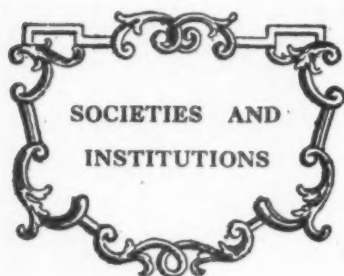
The illustrations are reproduced from an exhibition of students' work over the past year, at the Regent Street Polytechnic School of Architecture. Hitherto an annual feature of the school, this is the first summer exhibition since the war. Examples shown are from the 1st, 2nd, 3rd and 5th year. The 4th year is normally spent away from the school gaining first hand experience in architects' offices.

Top, a design for an aquarium at the London Zoo by Ursula Meyer, 5th year, thesis design. Bottom, designs for shop fasciae by T. E. Meddings, 1st year.



Top left, interior of a living room in a house for an architect and top right, first floor plan of the same project by Donald Dewar-Mills, 3rd year. Right centre, week-end timber house by Peter Burberry, 2nd year, and a façade renovation of a cinema in a provincial town by Ronald Cuddon, 3rd year. Bottom, a neighbourhood centre for Bolsover in Derbyshire. A study in relating a new to and old building by J. Mayo, 5th year, thesis design.





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

AA

Scholarships and Prize Awards

First Year Prizes.—Howard Colls Travelling Studentship (value £15 15s.), R. E. Wilkinson. Second Prize (books, value £5 5s.), L. H. Nixon. Honourable Mentions, B. G. R. Stille, M. D. Willis.

Second Year Prizes.—AA Travelling studentship (value £26 5s.), J. M. Rogers, W. J. G. Godwin. Second Prize (Books, value £10 10s.), H. C. Morris. Honourable Mentions, C. H. Felton, I. J. Campbell, S. G. P. Macfarlane, J. Kennett, A. J. Ault, P. A. L. Hughes, Miss J. R. Butler, Miss U. Pevsner, Miss S. C. Gibson, E. F. Samuel.

Third Year Prizes.—Holloway Scholarship, tenable for the senior course (value £150), P. A. Newnham. Third Year Travelling Studentship (value £31 10s.), R. H. Sims. Third Year Prize (Books, value £10 10s.), B. M. Feilden. Honourable Mention, Miss A. G. J. Hartshorn, P. B. Horsburgh, P. R. Davison, H. T. Swain.

Fourth Year Prizes.—Year Prize (Books, value £10 10s.), P. A. R. Dickinson. RIBA Henry Jarvis Scholarship for Construction (value £50), M. G. F. Ventris. Honourable Mentions, O. Cox, Miss N. J. Dore, S. Gardiner, H. L. Gloag, D. M. Jones, C. S. Knight, A. Petty, Mrs. L. E. Ventris, J. Wright.

Fifth Year Prizes.—Henry Florence Travelling Studentship (value £50), J. N. Graham. Fifth Year Travelling Studentship (value £50), L. E. Martin. Third Prize (Books, value £10 10s.), H. M. Tardrew. Honourable Mentions, D. P. Goldhill, J. D. D. Burns, J. D. Cordwell, Miss M. Reader, Miss J. Lee-Jones, W. F. Mullins.

Medal presented annually by the Société des Architectes Diplômés par le Gouverne-

ment, Paris, to the best Diploma student of the Session, D. P. Goldhill.

Alec Stanhope Forbes Prize (for the best colour work during the Session) (Books, value £5), S. Gardiner.

AA Essay Prize (Books value £10 10s.), C. G. L. Shankland.

AA Measured Drawings Prize (Value £20), B. M. Feilden.

Royal West of England Academy School of Architecture (affiliated to the AA). The Prize in Design (value £5 5s.) is awarded to Miss V. R. Harrison.

During the Session the following awards were announced:—

Leverhulme Scholarship (value £1,000), J. M. Keable, of Sittingbourne, Kent.

The Minter Open Entrance Scholarship (value £90), D. F. Clayton, of London, S.W.7.

Sir Walter Lawrence Open Entrance Scholarship (value £90), C. P. Sainsbury, of Byfleet, Surrey.

Metal Window Scholarship (presented by the British Metal Window Manufacturers Association, Ltd.) (value £75 p.a.), G. F. Fowler, of Newbury, Berks.

Natural Asphalte Council Scholarship (presented by the Natural Asphalte Mine Owners and Manufacturers Council) (value £50 p.a.), T. G. Bidwell, of London, N.W.6. Northern Aluminium Scholarship (presented by the Northern Aluminium Company) (value £50 p.a.), J. M. Broughton, of Ormskirk, Lancs.

Patent Glazing Scholarship (presented by the Patent Glazing Conference) (value £50 p.a.), Miss P. Bowden, of Watford, Herts.

The following Scholarships have been renewed for a further year:—

Leverhulme Scholarship: R. H. Sims, W. J. G. Godwin, P. J. Lord.

Minter Open Entrance Scholarship: R. G. Harris, Miss J. R. Butler.

Sir Walter Lawrence Open Entrance Scholarship: H. C. Morris.

British Plywoods Senior Scholarship (presented by the Association of British Plywood Manufacturers (value £50 p.a.), L. E. Martin.

Cement and Concrete Association Scholarship (presented by Cement and Concrete Association) (value £50 p.a.), M. D. Willis.

Ejma Scholarship (presented by the English Joinery Manufacturers' Association, Ltd.) (value £75 p.a.), J. A. C. Higgins.

Metal Window Scholarship, A. J. Ault, Miss D. R. Leigh.

Natural Asphalte Council Scholarship, D. H. Hiscock.

Northern Aluminium Scholarship, J. S. Ambrose, J. S. Holderness.

Patent Glazing Scholarship, W. J. Appleton, Miss S. R. Tindale.

Pilkington Scholarship (presented by Messrs. Pilkington Bros., Ltd.) (value £75 p.a.), T. de Pont Davies.

HC

Alexander Block

July 22. At the Housing Centre, 13, Suffolk Street, Haymarket, S.W.1. Talk on SOCIOLOGY OF HOUSING by Alexander Block. Chairman, E. C. Kent.

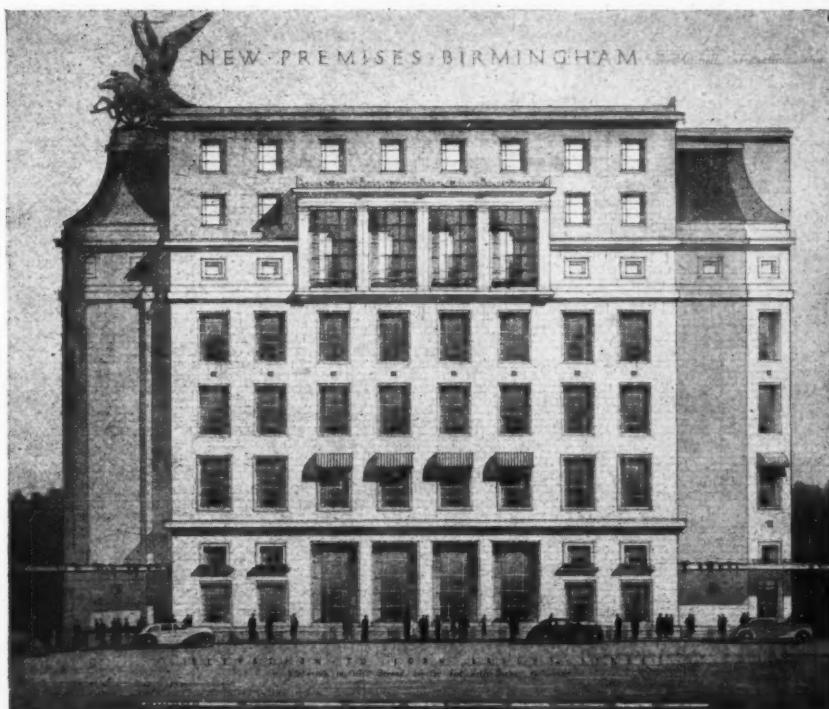
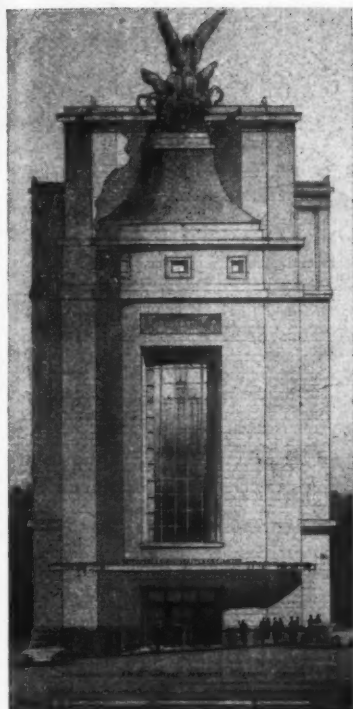
Alexander Block: The first thesis I wish to submit to you is that the plan for any area, national or local, must ascertain the needs of the people living in the area. That is the intelligible housing target. And my second thesis is that the proper unit for measuring these needs is the household. In other

words the plan must provide dwellings to suit the needs of the various households. That is the intelligible criterion. It follows that the social survey preliminary to the plan should include a detailed survey of the households in existence, and likely to come into existence within the area in the near future. Only detailed study of comprehensive information about the conditions of the households in existence now, enables one to foresee with a degree of accuracy the shape of households to come. In my book, *Estimating Household Needs**, I tried to indicate the lines on which such study should be made and I pleaded for more light on the relevant facts.

How dim the light that is and how thick is the fog of ignorance which prevents successful planning, can be illustrated by the remarkable leading article *Housing Room* which appeared in *The Times* of May 21. The writer stressed the need for more small dwellings because there is in this country a large and growing number of small households, and warned planners against "repeating the mistake of the years between the wars which led to the serious maladjustment which at present exists between population and housing." It is a welcome sign of public opinion becoming at last aware of what are the true fundamentals of planning. It threw into relief, for the first time, the importance of intelligible targets, and brought the discussion of the housing programme to a higher level. A further statement disclosed that "approximately two-thirds of all households in England and Wales contain no child under ten." However unbelievable it sounds, this information, derived from a very rough estimate made in conjunction with the census of 1931, still represents all we know about age distribution within the separate households in 1947. Information in other important matters such as sex and marital status is equally antiquated, defective or non-existent. We know virtually nothing about the relationship between the persons living together in the households; whether and how they are related by kinship or blood to the head of the household, or are lodgers, visitors or servants. Yet all such data are essential for estimating the number and types of the prospective households for which dwelling must be provided. In short, we know enough to state, as *The Times* did, that there is a gross maladjustment between housing and the needs of the people, but we do not know enough of the relevant facts to plan adequately for the future. The census did not keep pace with the demand for information indispensable to adequate planning. In fact we cannot expect that the census, the last of which was taken in 1931, should foresee this demand. Planning is a new feature in our public life creating a new and vast demand for information.

The census is bound to remain our basic source for this information. Surveys should be regarded rather as supplementary to than as substitutes for the census whose more comprehensive and reliable service could be greatly extended and improved. Only a very small part of the wealth of data collected at each census has ever been made known. It should be comparatively easy to select, tabulate and publish the additional information required. Indeed the late J. A. Spender was right in saying that "planning is limited by ignorance," and the more our limited resources compel us to plan for an "inevitable minimum" the less we can afford planning errors due to ignorance of the facts. To ensure that the facts are known and properly used in preparing the plans, improved census and more research are imperative.

We do not yet sufficiently realise that successful planning presupposes a far greater knowledge of the social processes determining the social phenomena we wish to plan.



LICENSED PREMISES

COMPETITION, BIRMINGHAM

WINNING DESIGN BY T. CECIL HOWITT



Top, elevations. Bottom, site plan.

Winning design by T. Cecil Howitt, D.S.O., F.R.I.B.A., in the limited competition promoted by Messrs. Mitchells and Butlers Ltd. and assessed by S. N. Cooke, M.B.E., F.R.I.B.A., for proposed licensed premises on an island site bounded by John Bright Street, Hill Street and Severn Street, Birmingham. The following notes on construction, finishes and services are from the winner's report.

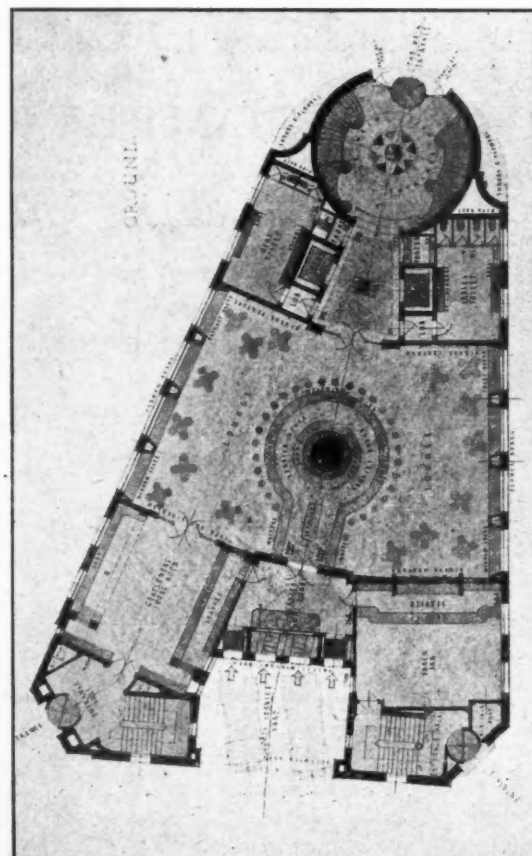
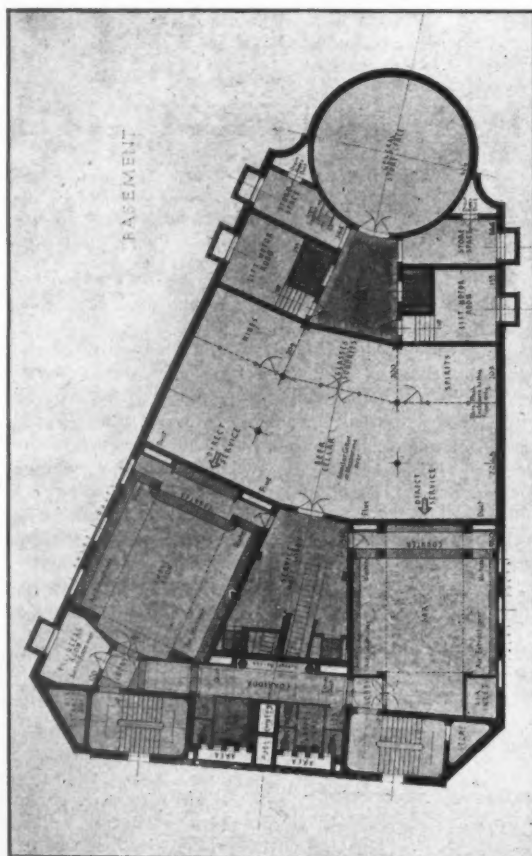
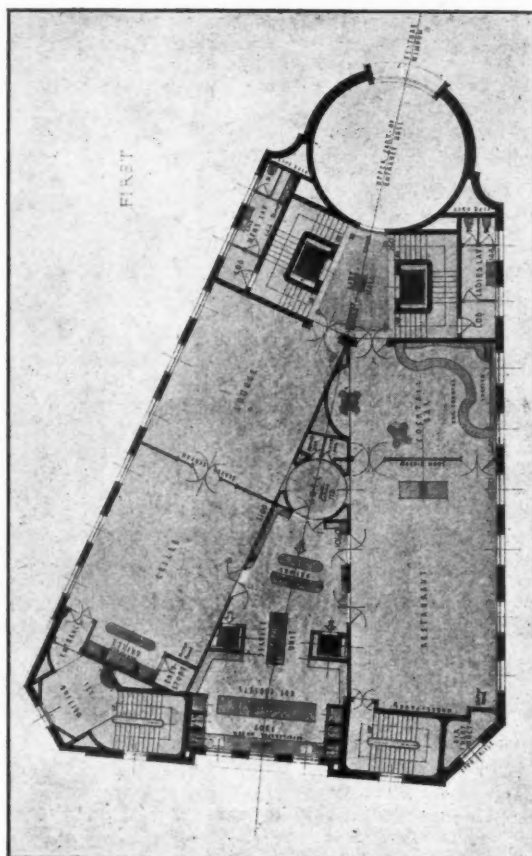
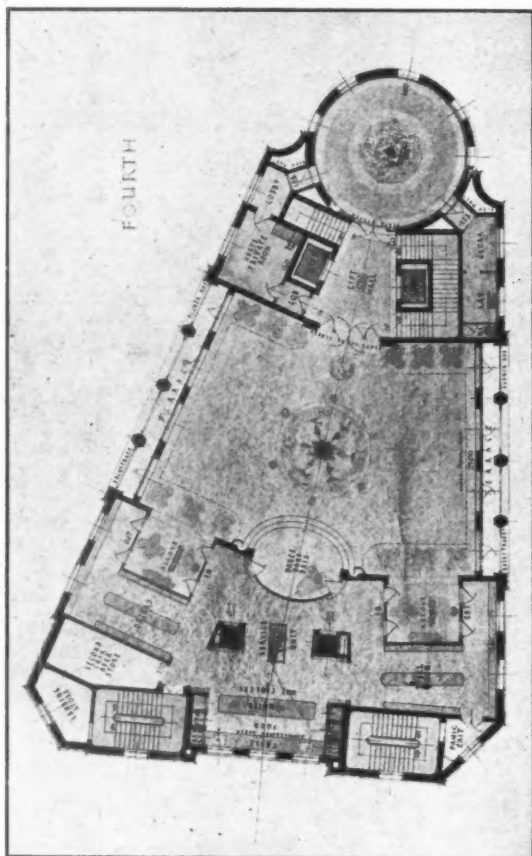
CONSTRUCTION—Light steel frame, floors hollow tile construction, flat roof cork insulated. Facings Portland stone with steel windows, cast metal window boxes and flower boxes. Shaped roofs, Westmorland slates of graduated sizes.

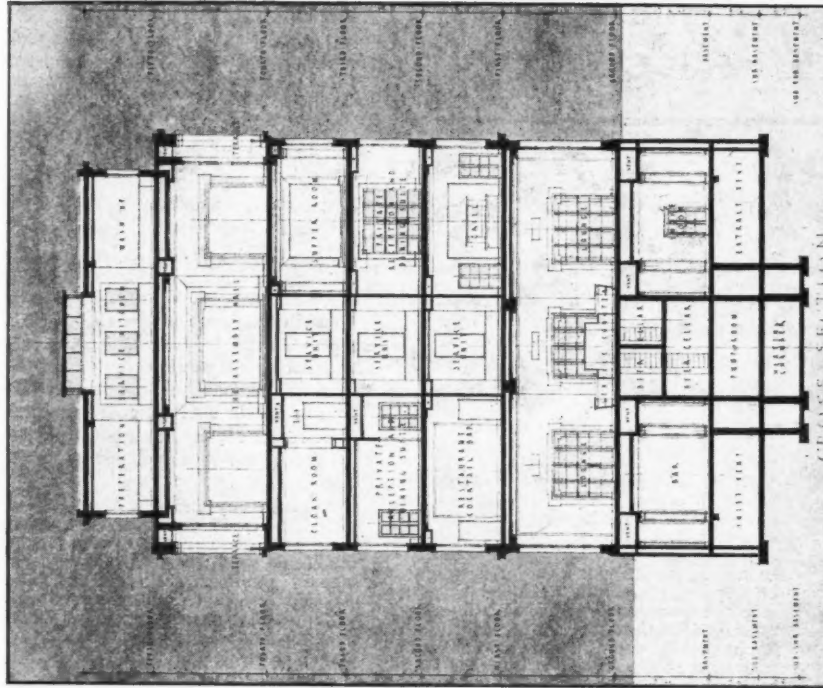
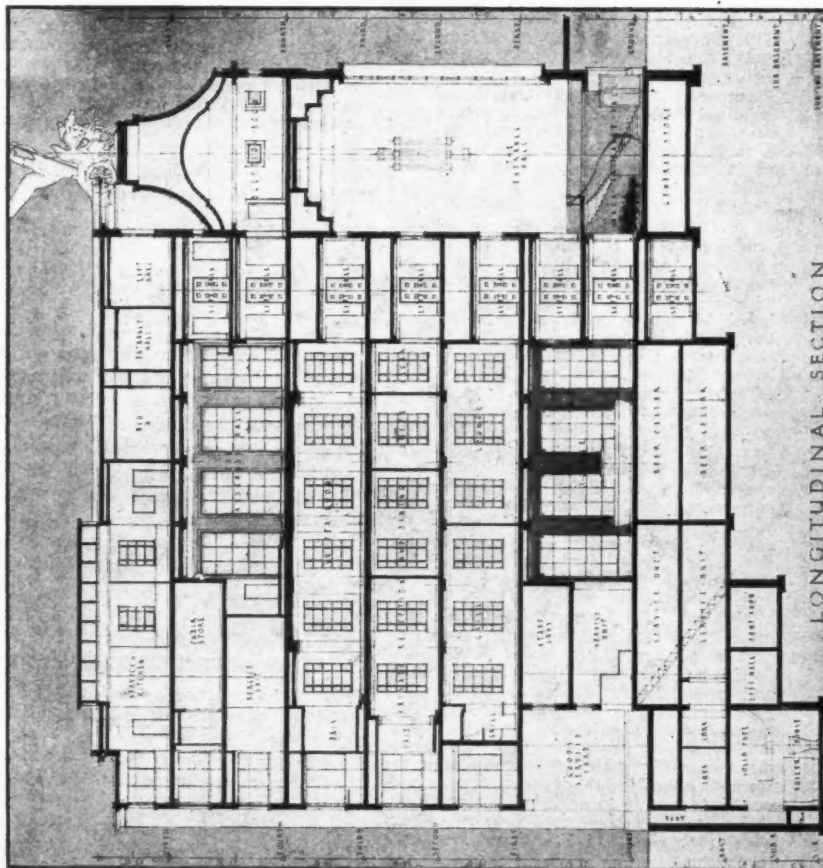
INTERNAL FINISHES — Public rooms: artificial stone staircases finished in Korkoid with

metal nosings, dance floor hardwood parquet on rubber buffers. Lavatories Minton tiles, remaining rooms Korkoid finish on a cement screed, with carpets and rugs as desired. Walls would be finished in a variety of plastic paint finishes, the ceilings in fibrous plaster, in many cases boxed down for ventilation treatment. There would be special balcony features at mezzanine levels, and mirror treatments in the various rooms. In the lounge, the central service unit gives an opportunity to introduce a flower pedestal treatment surrounding flood lighting to the whole of the ceiling.

HEATING AND VENTILATION—Automatic stokers for solid fuel for low pressure hot water; heating generally hospital type radiators, placed generally under windows. Additional heating

LICENSED PREMISES COMPETITION, BIRMINGHAM





WINNING DESIGN BY
T. CECIL HOWITT

to main public rooms would be electricity, boiling and steaming by a plenum system for air conditioning, either by warm air in the cold weather, or cooling in the summer time. It is suggested that roasting and grilling should be by electric light, power, lifts, bells, synchronized clocks, vacuum cleaning points, and hose reels.

TECHNICAL SECTION

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

INFORMATION CENTRE

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

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

2.14 planning: general

METROPOLITAN PLANNING: USA

Metropolitan Planning. Regional Plan Association. (The Association, New York, USA, 1947, no price.)

Interesting newsletter providing detailed information on organisation, programmes, achievements and publications of fifteen American metropolitan planning agencies. Useful reference for exchange of information.

4.14 planning: urban and rural

REDEVELOPMENT OF URBAN AREAS

Report of the Central Advisory Committee on Estate Development and Management in War-Damaged Areas. Ministry of Town and Country Planning. (HMSO, 1947, 1s.)

General redevelopment problems in central areas of war-damaged towns. Temporary accommodation. Disposal of land: policy and practice. Estate management departments of Local Authorities.

This important document is mainly concerned with the urgent problem of comprehensive redevelopment of devastated central areas in war-damaged towns and provides sound advice not only on more immediate matters but also on what the committee believes "to be permanently valid principles of sound estate management."

The general problem in war-damaged towns is discussed from the point of view of the redevelopment plan and process. It is recommended that the size of the central area should be carefully planned to afford reasonable space for its various activities, and its boundary should be clearly defined, e.g., in larger towns by an inner ring road. For shops, a fairly compact grouping is desirable. In order to prevent the recur-

rence of the pre-war tendency towards peak values in central areas it is suggested that a well-balanced distribution of intensity of use, and thus of values, should be aimed at throughout each use zone. Measures should be adopted for a careful distribution of stopping places for public vehicles since ease of access greatly influences values both of shopping streets and of individual sites. Shops should be so grouped that continuous frontages on both sides of shopping streets are obtained. The line of shop fronts should not be broken by banks, post offices, etc., which might be located near but just off main shopping streets, nor by buildings like cinemas which are liable to attract queues. Secondary access at the rear should be provided to all premises which handle any considerable quantity of goods.

The long-term plan of redevelopment should be executed in a series of short-term programmes, with provision for periodic review and adjustment. Temporary as well as permanent developments should fit in with the planned distribution of land uses and values, in order to avoid renewed unsettlement later on.

Temporary shopping accommodation and buildings during the early stages of the redevelopment process should only be given a very short life and then be demolished. It is recommended that all temporary buildings be preferably located on land owned by the Local Authority, and let on a short-term agreement with a possible yearly extension thereafter.

With regard to the disposal of land, recommendations are put forward in connection with the following aspects discussed: the leasehold system of large urban estates, the length of lease of building sites in central areas; the question of ground rents in war-damaged central areas; the leasing of existing buildings. Great importance is attached to the question of whether the disposal of sites for building purposes should take place either by means of the immediate grant of a building lease or by means of a preliminary agreement, termed a building agreement, to be followed by the grant of a lease when the building is complete. The committee recommends that Local Authorities adopt the latter course, and that standard forms of building agreement and ground lease be used in so far as established local custom allows. Detailed material is furnished upon the more important matters which should be provided for in the covenants of building agreements and ground leases in central areas.

A final chapter deals with the estate management department of a Local Authority and suggests that the estate management organisation should take the form of either a new department or a self-contained section to an existing department, and that it should be in charge of officers with recognised qualifications in estate management.

An appendix setting out the scope and contents of record plans and drawings required in respect of building agreements and leases granted to developers, concludes a very important statement on official planning policy in regard to war-damaged central areas and on the subject of the participation of Local Authorities in regard to the implementation of this policy.

5.8 planning: public utilities

LONDON AIRPORT

London Airport: Report of Layout Panel. Ministry of Civil Aviation. (HMSO, 1946, 2s.)

Important document containing recommendations as to the best layout for international airport at Heathrow within defined area, making maximum use of three runways constructed for RAF purposes. Illustrations.

The report begins with a description of the site and of the conditions governing the layout.

Aspects fully dealt with in the report include an examination of the question of the separation of parallel runways for conditions of simultaneous landings, of simultaneous landings and take-offs, and of staggered runways; a discussion of runway patterns and their relation to safety in operation, to traffic capacity, to interference by taxiing aircraft with runways in use, to taxiing distances, to flexibility of use, and to area of paving required per aircraft movement; and comparative investigations of tangential and of parallel runway patterns.

Recommendations for size and layout of the terminal building area and of aircraft maintenance areas, a description of the plan finally put forward, together with various stages of development and the estimated traffic capacities per stage conclude the actual report.

There are eight appendices, of which Appendix A provides relevant meteorological data and Appendix B very useful information on agreed aerodrome dimensions and clearances. Appendices C-G are issued as separate maps showing the size, diagrammatic runway patterns, the final plan, traffic diagrams, and stage 2 of the development.

5.9 planning: public utilities

GERMAN ROAD SYSTEMS

Report on an Inspection of the German Road System, 1945. British Intelligence Objectives Sub-Committee. (HMSO, BIOS Final Report, No. 918, Item No. 33, 1947, 3s.)

Inspection of about 95 per cent. of motor roads and several hundred miles of other roads in British and American zones of occupation. Structural details, volume of traffic and general condition of motor roads. Technical features of recent German road construction dealing with layout and planting, earthworks, drainage, soil stabilization, surfacings, stone-sett pavings, and motor road bridges. Defects. Comparison with British practice. List of targets investigated. Illustrations.

10.10 design: building types

FLATS: MODERN DEVELOPMENTS

Flats: Modern Developments in Apartment House Construction. H. Kamenka. (Crosby Lockwood and Son, Ltd., 1947, 15s.)

Flats and excessive growth of urban areas. Evolution of development in Paris and New York, including building regulations, densities and economic aspects. Progress in England. Site planning. Elevational

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Comprehensive survey of present trends, national and international, providing useful background for comparison. Emphasis not on actual construction as indicated in subtitle, but on more general aspects of traditional planning, demand and supply. No attempt at discussing up-to-date non-traditional methods of either design or construction. Very well illustrated. Short bibliography.

10.11 design: building types HOUSE CONVERSION: FLATS

Houses into Flats: Key to Conversion. Various contributors. (Ascot Gas Water Heaters Limited, 1947. Published at 35s., but complimentary copies available to qualified architects.)

Building regulations. Conversion costs and estimated returns. Sound insulation, heat and hot water services, plumbing. Various conversion schemes. Fully illustrated.

This reference book has been produced for the use of architects, housing directors and members of local authority housing committees as a contribution towards the solution of the present housing shortage. Of particular value are the introductory chapters by various contributors on building regulations and on conversion costs. Regulations affecting conversion are discussed for the London County Council area and for districts outside the LCC area, and reference is made to various Byelaws, Building and Housing Acts, to the Public Health Act, 1936, to the Town Planning Interim Development Order, and to the conversion of war-damaged houses. The important aspect of conversion costs and estimated returns is usefully illustrated by two hypothetical examples in order to provide a guide to the preparation of a balance sheet. Sound insulation and technical services are dealt with, followed by a detailed account of a number of actual conversion schemes designed by various architects.

The technical information provided does not break any new ground, but the compilation of relevant facts into one volume represents a useful service to architects and others concerned with the conversion of houses into flats.

13.11 materials: timber COMPRESSED WOODS

Improved Woods. (Wood, January, 1947.)

Description of manufacture and characteristics of wood veneers impregnated with synthetic resin and compressed. Particular reference to Permali. Illus.

These woods, sometimes termed 'Compreg,' were introduced from Germany and France about twelve years ago. The article describes how a proprietary brand of impregnated wood called Permali is manufactured, and discusses its properties. It is harder and more difficult to cut than ordinary wood but can be worked in the same way. Saws need tungsten carbide tipped teeth.

It is stressed that it is a new material and is not competitive with wood. It is designed to replace some of the metals, principally in engineering parts, and it may be noted that it is stronger than steel and spruce, weight for weight. It also has special electrical properties, but these are not specified in the article. Further information on the costs of the material and

some experimental work on its use for building components would be useful.

13.12 materials: timber FLUSH DOORS

Flush Doors. (Wood, April, 1947, pp. 96-97.)

Illustrated article describing Bakerply method of forming core to flush doors to obtain economy of timber without prejudicing other essential requirements. Lightweight core made of honeycombed ply strips giving uniform support of face veneers, which can be reduced in thickness without detriment to door. Principle of construction applicable to other components, such as floor panels.

14.5 materials: concrete VERMICULITE

Cored Vermiculite Shuttering. (Architect and Building News, May 2, 1947, and Building Digest, May, 1947.)

Notes on lightweight concrete cores of Vermiculite produced by Plysil Formwork, Ltd., for use as shuttering in floors and roofs. Methods of using the cores, dimensional standards, sound and heat insulating and fire resisting properties discussed.

16.15 materials: miscellaneous PROTECTION OF STEELWORK

Bituminous Coatings for the Protection of Iron and Steel against Corrosion. Chemistry Research Special Report No. 5. R. St. J. Preston, M.Sc., F.R.I.C. (HM Stationery Office, 1946, 1s.)

Classification of coatings according to media and pigments; value of protection of iron and steel against corrosion; types of bitumen; types of tar and pitch; general characteristics; pigments, solvents and thinners; durability; fouling by marine organisms. Comprehensive reference to literature on the subject. Pp. 39.

A detailed technical account of the composition of bituminous materials used in protecting steelwork. The matter is admittedly directed to the specialist, but the information on the types of bitumens, tars and pitches is of considerable interest to architects. See also the article by J. Eastwick-Field, A.R.I.B.A., *The Architect and Building News*, April 11, 1947, pp. 29-31.

18.6 construction: theory TIMBER TRUSSES

Lessons Taught by Wood-Truss Failures. Norman B. Green. (Engineering News Record [USA], May 1, 1946, pp. 753-5.)

Analysis of failure of split-ring connector joints of timber trusses. Need for modifying customary rule for permissible load on one split ring of a group.

24.31 lighting SHOP LIGHTING

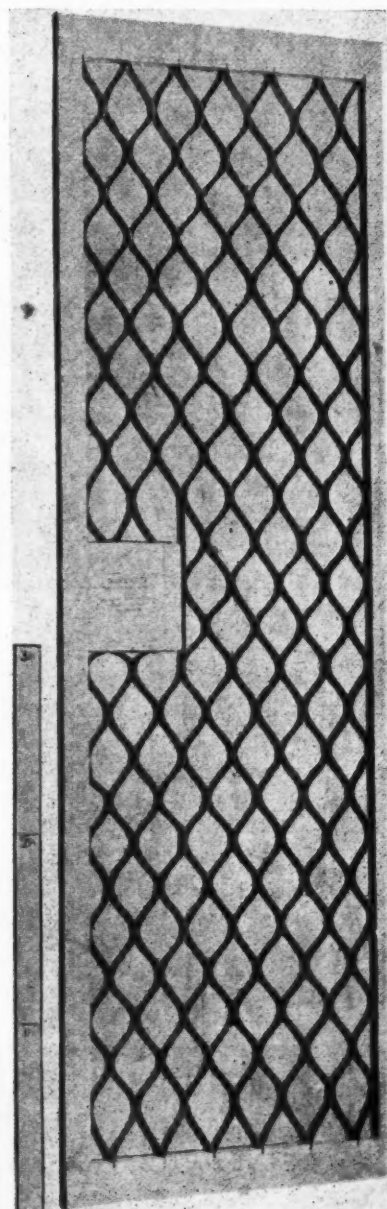
Functional Store Lighting Development and Application. F. C. Winkler. (Illum. Engineering [USA], Jan., 1947, p. 108.)

Close analysis of requirements; present fixtures all unsatisfactory; new fixture design built up from requirements. Excellent article, fairly well illustrated.

This article is strongly coloured by Amer-

ican philosophy of salesmanship, if so it may be called, but shows a firm grasp of the important principles of illumination and a sensible development of them for shop lighting. Architects will find it a very useful reference.

The first main point is that there must be enough light inside to overcome street reflections from the plate glass for people looking in from the street. Generally speaking, the sensible lighting to use for the main illumination is fluorescent, but the author adds qualifications, the most important being provision for what is called emphasis lighting. This, as the term suggests, will be relatively high intensity, and to give a sharpness and clarity to displays it will be from a point source—i.e., an incandescent lamp. Having thus suggested the main requirements, he reviews the design of fittings and shows that none of them is very good. He therefore proceeds to build up a fitting and shows each stage of reasoning very clearly. The result is a four-tube unit,



Lightweight Core to flush door. See 13.12.

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with most of the light going downward through louvres, but distributing enough upwards to keep the ceiling light, and enough sideways to give the fitting itself a modest brightness. Then, in the same cross-section, at the ends of the tubes he introduces his incandescent units—spotlights—pointing downward, but fixed so that they can be directed to various exhibits. Such fittings can be used individually or in lines or groups, and the author shows several photographs of shops in which they are fitted.

There are many useful but less important points mentioned, both about fittings and about their location in respect of counters and traffic, and the technique of display.

British readers may not think the external design of the fitting would make it very happy in some of our contemporary shops, but this is a very small point beside the lucid development of the argument. One could wish the British manufacturers would respond to it, for their present fluorescent lighting is often amazingly crude; and it would no doubt help if architects put themselves in a position to call the tune.

24.32 lighting SHOP LIGHTING

A Field Study of the Practical Factors Affecting Illumination Design for Merchandising Areas by W. F. Rooney. (Illum. Engineering [USA], February, 1947, p. 249.)

Quality studies in lighting merchandise. Useful. Illus. 26 photos.

This is a rambling article, with many useful points. The author claims to be non-professional, but obviously is perceptive and critical. A point is made that 20/30 foot candles is the minimum intensity requirement, because customers will examine goods at home in this light. But this, of course, is now only a trifle of the story. The distribution of brightness contrasts is noted as important, but quality is the main point and concerns the relative diffuseness or directness of the illumination. Wholly diffuse lighting is deceptive he says, but direct lighting only is glaring and harsh. This is well known but the author proceeds to draw a line by saying that it is easy to light the ceiling so well that even with a lot of direct light the diffusion is too great. In one case it proved better to keep fluorescent lights close to the ceiling rather than hung down, in order to avoid over lighting the ceiling, getting too much diffusion. In respect of colour it is claimed the warm white lamp is better than the cool daylight because of the better mixing with incandescent. Wiring circuits are discussed, and there are some good photos, rather spoilt by poor reproduction.

24.33 lighting ARTIFICIAL SUNSHINE

An Artificial Sunshine Solarium. G. F. Prideaux. (Illum Engineering, USA, November, 1946, p. 762.)



Glare-free lighting arrangement. See 24.34.

Sunshine data; accurate simulation of sun-light indoors. Interesting. Illus. graphs and photos.

For some unstated purpose, a decision was taken to attempt to simulate sunshine accurately indoors. The article contains much interesting data on sunshine and on the radiation of light and heat from the various sources which are combined to make the artificial sunshine. The room itself is described, and it is stated that in appearance and feeling the artificial sunshine was a good imitation. There is a useful bibliography.

24.34 lighting DOMESTIC LIGHTING

Horizon House. E. W. Commerly. (Lighting and Lamps [USA], April, 1947, p. 62.)

Demonstration house for General Electric Co. of America; many forms of lighting. Interesting and useful; 12 illus.

The General Electric Co. of America shows both initiative and taste in its demonstration house of lighting. Some of the ideas are purely for effect and have not much real value, but the illustrations drive home the elegance of one simple light which ought to find wide popularity—the so-called "downlight." This is a small projector type unit fitted into the ceiling, with the light emerging downward through a 3-in. hole. Inside is a 150-watt lamp. Such lights are scattered over the ceiling and give glare-free illumination of high intensity. The principle is sound, and there is no reason why the application should not be cheap.

25.24 water supply and sanitation PLUMBING: MULTIPLE DWELLINGS

Report on Plumbing: Flats, Maisonnets, Conversion Work. (Lead Industries Development Council, Bulletin No. 113, April, 1947.)

Useful and well illustrated booklet stressing important design considerations for plumbing in multiple dwellings, especially care in choice of appliance layout. Emphasis on suitability of lead and lead alloys permitting flexibility in cramped situations. 5 figures, 2 photographs.

The section on flats is illustrated by a complete plumbing system based on published plans for LCC flats of the PB multi-storey type, with all vertical stacks within an internal duct 2 ft. 3 in. wide and 9 in. deep. While this is stated as the minimum practicable size a duct considerably larger would make subsequent access a much easier business. A one-pipe soil stack is suggested, with looped branches serving the grouped appliances on each floor, the top half of each loop serving as an anti-siphonage pipe. This is a most economical arrangement, and has the advantage that pipes can be run so as to avoid cutting into floors or blocking out appliances from the wall. However, it is important to note (as is stated in the last section of this report) that the layout would not pass the bye-laws in most districts without a waiver, which the conservative local surveyor might not be prepared to recommend. The possibilities of off-site pipe preparation are stressed.

For conversion work it is suggested that each job must be treated on its merits, with layouts dictated largely by possible sites for vertical pipe runs. It is rightly stressed that re-siting existing drain runs should not be overlooked as a means of getting better positions for vertical stacks, and thus a more economical plumbing lay-out. There is no reason to regard old drains as immovable; many of them are better up, anyway.

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

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..... A.J. 31.7.47

Finally there are some notes on the special problems of entirely separate plumbing for maisonnettes under a single roof, and on the one-pipe system. As its emphasis is on layout and preliminary design, rather than the execution of plumbing work, this booklet should be useful to the architect. The illustrations are very well done.

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

QUESTIONS AND ANSWERS

2904 WAR DAMAGE

Q. Will the War Damage Commission allow the cost of reinstating property to include alterations required by the Local Authority?

A. A definite pronouncement cannot be made, and each job must be treated on its own merits. The War Damage Commission should always be consulted before work is put in hand, but it is our experience that if an owner is seeking to reinstate his property as it existed, and is required by the Local Authority to make minor alterations, the War Damage Commission will normally permit reimbursement of the total expenditure.

Announcements

The dates of the forthcoming RIBA Examinations are:—

Intermediate Examination.—November 7, 8, 10, 11, and 13, 1947. (Last day for receiving forms of application, September 19, 1947.) May 7, 8, 10, 11, and 13, 1948. (Last day for receiving forms of application, March 10, 1948.) November 5, 6, 8, 9, and 11, 1948. (Last day for receiving forms of application, September 16, 1948.)

Final and Special Final Examinations.—December 3, 4, 5, 6, 8, and 9, 1947. Oral Examination, London Centre, December 12; Edinburgh and Belfast Centres, December 11. (Last day for receiving forms of application, October 15, 1947.) June 30, July 1, 2, 3, 5, 6, and 8, 1948. (Last day for receiving forms of application May 4, 1948.) December 1, 2, 3, 4, 6, 7, and 9, 1948. (Last day for receiving forms of application, October 7, 1948.)

Examination of Licentiates to Qualify for Candidature as Fellows.—December 3, 4, 5, 6, and 8, 1947. (Last day for receiving applications, October 1, 1947.) June 30, July 1, 2, 3, and 5, 1948. (Last day for receiving forms of application, April 30, 1948.) December 1, 2, 3, 4, and 6, 1948. (Last day for receiving forms of application, September 30, 1948.)

Examination for Building Surveyors.—October 8, 9, and 10, 1947. (Last day for receiving applications, August 27, 1947.) April 21, 22, and 23, 1948. (Last day for receiving applications, March 5, 1948.) October 6, 7, and 8, 1948. (Last day for receiving applications, August 26, 1948.)

Sir Maurice Simpson, Kt., C.S.I., M.I.E.E., and Mr. John Lamont have resigned from the Board of Messrs. W. T. Henley's Telegraph Works, Co., Ltd. Mr. F. W. Ander-

son, General Manager of Henley's, and Mr. A. H. M. Jacob, Secretary of Henley's, have been appointed Directors of the Company. Mr. Anderson joined Henley's in 1906; in 1937 he became Assistant General Manager and in 1943 succeeded Mr. W. F. Bishop as General Manager. Mr. Jacob commenced with Henley's in 1906. In 1913 he became an assistant to the Company's Secretary, the late Mr. A. E. Salmon, and in 1926 Mr. Jacob succeeded him as Secretary.

Mr. H. T. Rushton, L.R.I.B.A., A.I.A.A., Chartered Architect, has been appointed Staff Architect to Messrs. Bernard Thorpe and Partners, of 32, Millbank, Westminster, S.W.1. He would be pleased to receive at that address any trade catalogues, including current information relating to farm buildings.

Mr. A. T. Marshall, A.R.I.B.A., A.M.T.P.I., has resigned his appointment as Town Planning Officer to the Londonderry County Borough Council, and is opening offices on his own account at c/o Messrs. Lane's Ltd., Princes Quay, Londonderry. He would be glad to receive trade publications.

Mr. J. L. Adam, C.B.E., M.I.N.A., Chief Surveyor to the British Corporation of Shipping and Aircraft, has been elected President of the Institute of Welding, and Dr. J. H. Paterson, F.R.I.C., Vice-President for 1947/48.

The following changes have taken place in the staff of the Aluminium Development Association: Mr. W. J. McLaughlin, C.A., appointed secretary, in place of Mr. Davies, who has resigned; Mr. J. D. Beddows, B.Sc., chief metallurgist since June, 1944, resigned to take up an important industrial position in the Midlands; Mr. J. C. Bailey, B.Sc., on the staff since 1946, appointed technical officer to take over most of the duties previously carried out by Mr. Beddows; Mr. P. G. Studholme, B.A., appointed to the

editorial department; Mr. H. A. Snow metallurgist, has been elected a Member of the Institute of Metallurgists.

The Board of Directors of Messrs. James Booth and Co. Ltd., Birmingham, have appointed Mr. D. E. Bunce Secretary of the Company on the retirement of Mr. R. Franklin, who will take over the position of Comptroller.

The address of Mr. Duncan Livingstone, A.R.I.B.A., A.M.T.P.I., County Architect of East Lothian, is now Property and Works Department, County Buildings, Haddington.

Correction

The design of the School at Stevenage illustrated in our issue for July 17 should have been attributed to F. R. S. Yorke, E. Rosenberg and C. S. Mardall, and the site given as Walkern Road. The car showrooms in our issue for July 24 were designed for Cockade Ltd. by Hugh Casson and Richard Guyatt.

Obituary

The death is announced in London of Mr. William Charles Wellesley Weaver, Chairman and, until two weeks of his death, managing director of Waygood-Otis, Ltd., lift and escalator engineers. Born at St. Johns, Newfoundland, in 1890, he was educated in this country, and on his 16th birthday was apprenticed to the company, which he served continuously during his working life. He was also Chairman of Waygood-Otis (South Africa), Ltd., and a Director of Waygood-Otis (Australasia) Ltd., and Waygood-Otis (New Zealand), Limited.

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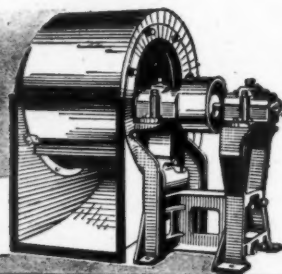
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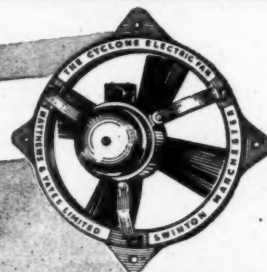
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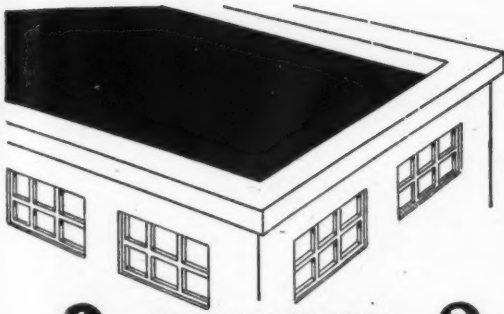
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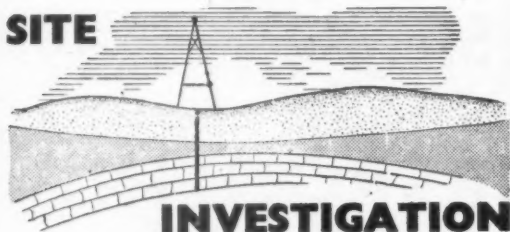
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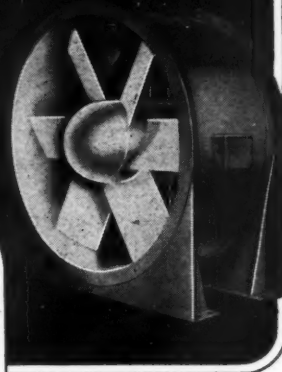
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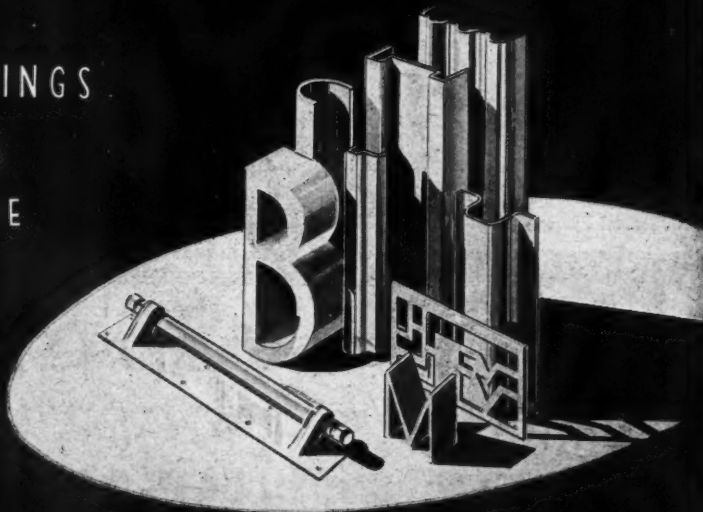
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Replies to Box Numbers should be addressed care of "The Architects' Journal," at the address given above.

Public and Official Announcements

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

LONDON COUNTY COUNCIL
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Applications are invited for positions in the following grades:—

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The planning work involved includes assistance in the detailed development of Reconstruction Area schemes and the preparation of revised zoning plans.

A knowledge of current town planning legislation is desirable in all cases, and candidates for Grade III positions should possess architectural, surveying or town planning qualifications.

Application forms obtainable from Architect to the Council, County Hall, S.E.1 (enclose stamped addressed envelope), returnable not later than 10 days from this date.

Canvassing disqualifies. (1680) 535

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

Applications are invited for the appointment of a TOWN PLANNING ASSISTANT, at a salary of £420 p.a., rising by annual increments of £15 to a maximum of £465 p.a. (Grade IV of the National Scales), plus £9 p.a. London weighting allowance and £59 16s. p.a. cost-of-living bonus.

Candidates must have had good experience in the preparation and administration of Town Planning schemes, and should possess a recognized qualification in Town Planning. The appointment will be terminable by one month's notice on either side, and will be subject to the Scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, to the Provisions of the Local Government Superannuation Act, 1937, and the successful candidate may be required to pass a medical examination by the Council's Medical Officer of Health.

The appointment will also be subject to the general conditions laid down by the Council from time to time, including membership of a Trade Union.

Applications, stating age, details of qualifications and experience, together with copies of three recent testimonials, should be delivered to the Borough Engineer and Surveyor in a sealed envelope, and endorsed "Town Planning Assistant," not later than 16th August, 1947.

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

D. J. OSBORNE, Town Clerk.

Town Hall, Leyton, E.10. 521

COUNTY BOROUGH OF HUDDERSFIELD.
Applications are invited for the following appointments in the Borough Architect's Department:—

(a) ASSISTANT QUANTITY SURVEYOR (Grade V). Salary £460-£510.

(b) ASSISTANT QUANTITY SURVEYOR (Grade IV). Salary £420-£465.

For each of the posts, in addition to the salary, a bonus, at present £59 16s. per annum, will be payable.

Applicants must have experience in the preparation of Bills of Quantities, Specifications, Estimates, and the Settlement of Final Accounts, and preference will be given to Professional Associates of the Chartered Surveyors' Institution.

Conditions of service are those formulated by the National Joint Council, and the appointments are subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidates will be required to pass a medical examination.

Applications, endorsed "Assistant Quantity Surveyor, Grade V" (or "Grade IV"), together with not more than three recent testimonials, should be delivered to the Borough Architect, High Street Buildings, Huddersfield, not later than the 23rd August, 1947.

HARRY BANN, Town Clerk.

The Town Hall, Huddersfield. 968

CITY OF MANCHESTER.
CITY ARCHITECT'S DEPARTMENT.
ASSISTANT ARCHITECTS.

Applications are invited for the appointment of Assistant Architects. Basic salary £460, rising to £510 per annum, plus cost-of-living bonus, at present £60 per annum.

Candidates should be Associates of the Royal Institute of British Architects, and have had a thorough training in design and construction, preferably at a school of architecture, and be experienced in the preparation of sketch plans, working drawings, and details.

Applications from candidates who have recently obtained a degree or diploma of a recognised school of architecture will be considered at a lower commencing salary, dependent on the qualifications and experience of the applicant.

The successful candidates will be required to pass a medical examination before the appointment is confirmed, and to contribute to the Corporation's superannuation fund, and to execute the Corporation's Deed of Service.

Applications on the official form, which can be obtained from the City Architect's Department, must be returned, together with not more than three recent testimonials, to Leonard C. Howitt, B.Arch., Dip.T.P., D.P.A., F.R.I.B.A., A.M.T.P.I., City Architect, Town Hall, Manchester, by Monday, 18th August, endorsed "Assistant Architect."

Canvassing in any form, oral or written, direct or indirect, is prohibited, and will be regarded as a disqualification.

PHILIP B. DINGLE, Town Clerk.

Town Hall, Manchester, 2. July, 1947. 917

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

APPOINTMENT OF QUANTITY SURVEYOR. Applications are invited for the above appointment, at a salary in accordance with the A.P.T. Grade V, of the National Scale, namely £460 to £510, plus cost-of-living allowance, at present £59 16s. per annum.

Applicants should be Chartered Quantity Surveyors, experienced in preparation of bills of quantities, measurement of work, variations, and settlement of final accounts for extensive building operations. The appointment is subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass satisfactorily a medical examination.

Applications, stating age, qualifications and experience, with copies of three recent testimonials, must be delivered to me, the undersigned, not later than 12 noon on Saturday, the 9th August, 1947, and endorsed "Quantity Surveyor."

THOMAS ARMSTRONG, Town Clerk.

Town Clerk's Office, Dartford, Kent. 909

SHIPLEY URBAN DISTRICT COUNCIL.

Appointments of:

(a) ARCHITECTURAL ASSISTANT.

(b) TWO ENGINEERING ASSISTANTS.

Applications are invited for the following posts, on the permanent establishment of the Surveyor's Department:—

(a) Architectural Assistant, Grade III, A.P.T. Division. A house to rent will be made available to the successful applicant.

(b) Engineering Assistant, Grade II, A.P.T. Division. A house to rent will be made available to the successful applicant.

(c) Engineering Assistant, Grade I, A.P.T. Division.

Each appointment is subject to the National Scheme of Conditions of Service, etc., and current cost-of-living bonus is payable.

Applicants for appointment (a) should be members of the Royal Institute of British Architects, and have a thorough knowledge of architectural work, practical experience in the development of housing schemes, design of houses and public buildings, pick and accurate draughtsmen. Ability in taking off quantities will be an advantage.

Applicants for appointment (b) should hold the Testamur of the Institute of Municipal Engineers or other similar qualifications, and have a general knowledge and experience in the design and construction of Municipal Engineering Works, and should be accustomed to the preparation of plans, estimates, quantities and specifications, and also setting out and supervision of works carried out by contract and direct labour.

Applicants for appointment (c) should have taken the Intermediate Examination for the Testamur of the Institute of Municipal Engineers. They should be capable of making surveys, preparing plans, estimates and quantities, and setting out works.

All three of the appointments will be terminable by one month's notice on either side. Successful candidates will be required to pass a medical examination.

Canvassing, directly or indirectly, will disqualify a candidate.

Applications, endorsed "Architectural Assistant" or "Engineering Assistant (b)," or "Engineering Assistant (c)," stating age, training, qualifications and experience, together with the names of three persons to whom reference can be made, should be forwarded to the undersigned not later than the 16th August, 1947.

HAROLD S. HASLAM, Clerk of the Council.

Town Hall, Shipley. 916

MIDDLESEX COUNTY COUNCIL.
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C. W. RADCLIFFE, Clerk of the County Council.

Middlesex Guildhall, S.W.1. 955

COUNTY BOROUGH OF HUDDERSFIELD.
Applications are invited for the following appointments in the Borough Architect's Department:—

(a) SENIOR TOWN PLANNING ASSISTANT (Grades VI-VII), £535-£650. The commencing salary may be above the minimum of the grade, depending on the candidate's experience. Candidates must have had considerable experience in all aspects of statutory planning, interim development control and planning procedure in general. Candidates should be Associate Members of the Town Planning Institute, and additional qualifications in Architecture or Engineering or Surveying will be an advantage.

(b) TOWN PLANNING ASSISTANT (Grade V), £460-£510. Candidates should be Associate Members of the Town Planning Institute, and planning office experience is essential.

(c) TOWN PLANNING ASSISTANT (Grade I), £330-£375. Applicants should have had interim development experience in a planning office, and preference will be given to candidates who are Students of the Town Planning Institute.

For each of the posts, in addition to the salary, a bonus, at present £59 16s. per annum, will be payable.

Conditions of service are those formulated by the National Joint Council, and the appointments are subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidates will be required to pass a medical examination.

Applications, appropriately endorsed, together with not more than three recent testimonials, should be delivered to the Borough Architect, High Street Buildings, Huddersfield, not later than the 23rd August, 1947.

HARRY BANN, Town Clerk.

The Town Hall, Huddersfield. 969

THE UNIVERSITY OF SHEFFIELD.
Applications are invited for two posts of ASSISTANT LECTURER IN ARCHITECTURE.

The appointments will be, in the first instance, probationary and on an annual basis.

Commencing salary between £450 and £500, according to qualifications and experience, with Superannuation provision under the Federated Superannuation Scheme for Universities, and family allowance.

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Applications (four copies), with the names and addresses of three referees, and, if possible, copies of two testimonials, should reach the undersigned (from whom further particulars may be obtained) as early as possible but not later than 30th August, 1947.

A. W. CHAPMAN, Registrar.

972

COUNTY BOROUGH OF EAST HAM.
APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments on the Architectural staff of the Borough Engineer's Department:—

(1) PERMANENT ARCHITECTURAL ASSISTANT (Grade IV). Candidates must be Associate Members of the Royal Institute of British Architects or hold an equivalent qualification, and have a general knowledge and experience in the perience of architectural work, preferably in the service of a local authority. Salary £440 to £485 per annum.

(2) TEMPORARY JUNIOR ARCHITECTURAL ASSISTANT (Grade I). Preference will be given to candidates who 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. Salary £350 to £395 per annum.

The salaries quoted above include the London allowance. War bonus (at present £59 16s. per annum in the case of men over 21) will be paid in addition.

The appointments will be subject to the Council's conditions of service in force from time to time for permanent or temporary staff, as the case may be, to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Applications, on forms obtainable from the undersigned, must be delivered to me, together with copies of three recent testimonials, by not later than Friday, the 22nd August, 1947. Applicants should state the position for which they desire to apply.

Canvassing will disqualify.

H. A. EDWARDS, Town Clerk.

Town Hall, East Ham, E.6. 974

NORTHERN POLYTECHNIC, HOLLOWAY ROAD, N.7.

The Governing Body invite immediate applications for the following appointments, to commence in September, 1947.

FULL-TIME STAFF—STUDIO MASTERS IN ARCHITECTURAL DESIGN.

LECTURERS ON QUANTITY SURVEYING AND ASSOCIATED SUBJECTS.
LECTURERS ON BUILDING CONSTRUCTION AND MATERIALS.

The remuneration attached to the above appointments will be in accordance with the Burnham Scale, the commencing salary being determined according to the training, professional experience, and war service in individual cases. Applicants are expected to have the professional qualification appropriate to the appointment, and some experience in lecturing will be considered an advantage. Members of the full-time staff are permitted to engage in private practice, for which purpose teaching duties are usually adjusted so as to allow a reasonable amount of free time.

Forms of application, together with full particulars, will be forwarded on receipt of a stamped, addressed foolscap envelope (state appointment for which application is made).

VISITING STAFF—STUDIO MASTERS IN ARCHITECTURAL DESIGN IN THE DAY AND EVENING SCHOOLS.

Applications should be made in writing, giving brief particulars of training and experience.

R. H. CURRELL.

Clerk.

971

CITY OF GLOUCESTER EDUCATION COMMITTEE.

Applications are invited for the appointment of a HEATING ENGINEER, at a salary according to Grade IV of the National Scale, £420—£15—£465, plus cost-of-living bonus, at present £59 15s. per annum.

Candidates should be Members of the Institution of Heating and Ventilation Engineers, and should have wide experience in the design and supervision of all heating and hot water installations. The appointment will be subject to the Local Government Superannuation Act, to one month's notice on either side, to passing a medical examination, and to the Council's General Conditions of Service.

Applications, accompanied by three recent testimonials, should be submitted to the Education Officer, Belezze House, Brunswick Square, Gloucester, within fourteen days of the appearance of this advertisement.

W. H. HARLAND.

Education Officer.

970

CITY OF MANCHESTER. APPOINTMENT OF DEPUTY CITY ARCHITECT.

Applications are invited from persons, who have had a thorough training in architectural design and construction, preferably with a degree or diploma of a School of Architecture, and who should be Fellows or Associates of the Royal Institute of British Architects and Associate Members of the Town Planning Institute, for the position of Deputy City Architect, at a salary of £1,200, rising by biennial increments of £100 to £1,400 per annum, plus cost-of-living bonus, at present £50 per annum.

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

Applications, endorsed "Deputy City Architect," are to be delivered not later than the 18th August, 1947.

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

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

PHILIP B. DINGLE.

Town Clerk.

964

Town Hall, Manchester.

BOROUGH OF BARNES.

Applications are invited for the position of TEMPORARY ARCHITECTURAL ASSISTANT, in the Borough Engineer and Surveyor's Department, at a salary of £400 per annum, plus bonus, at present £59 15s. per annum.

Applicants should be good draughtsmen, capable of preparing plans and details for general architectural work. Preference will be given to Associates of the Royal Institute of British Architects or applicants who have completed a course of study at a recognized School of Architecture.

Previous Municipal Office experience is not essential. Applications, giving the names of three persons to whom reference can be made, should reach the undersigned by Saturday, 9th August, 1947.

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

Borough Engineer and Surveyor.

Mortlake, S.W.4.

14th July, 1947.

946

AMERSHAM, CHESHAM AND BEACONSFIELD JOINT PLANNING COMMITTEE. APPOINTMENT OF CHIEF PLANNING ASSISTANT.

Applications are invited for the appointment of Chief Planning Assistant, on the staff of the Joint Planning Officer to the Committee. The salary will be in accordance with Grade VI of the Administrative, Professional, and Technical Division of the National Joint Council Scales of Salaries (£535-£600 per annum), plus cost-of-living bonus, at present £59 15s. per annum. A travelling allowance will be paid in accordance with the County Council's scale for the time being.

The appointment is subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to undergo a medical examination. The appointment is terminable by two months' notice in writing on either side. Applicants must have had extensive experience in the preparation of Town and Country Planning Schemes and the control of development in urban and rural areas. Applicants should be Members or Associate Members of the Town Planning Institute, and architectural or engineering qualifications will be considered an advantage.

The appointment is to be made on the staff of the Joint Planning Committee for the period during which the Joint Committee will continue to operate, and thereafter the Bucks County Council will be prepared, subject to satisfactory service, to offer employment at the same salary on the Council's planning staff.

Applications, stating age, qualifications, and experience, present and previous appointments, together with copies of three recent testimonials, and endorsed "Chief Planning Assistant," should be forwarded to the Joint Planning Officer, Elmodesham House, Amersham Bucks, not later than 16th August, 1947. Canvassing, either directly or indirectly, will be deemed a disqualification, and applicants must disclose in writing whether to their knowledge they are related to any member or senior officer of the Joint Committee.

H. E. BUXTON.

Clerk to the Joint Committee.

Elmodesham House, Amersham, Bucks.

657

SOMERSET COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment in the above-named Department.

ARCHITECTURAL ASSISTANT—£460 to £510 (A.P. and T. Division, Grade V).

Applicants must be A.R.I.B.A., with experience in Architectural Design.

The appointment will be subject to the rules and regulations of the County Council from time to time in force, the provisions of the Local Government Superannuation Act, 1937, and to the passing satisfactorily of a medical examination by the Council's medical officer of health.

Canvassing of any form will be a disqualification, and every candidate should disclose whether to his knowledge he is related to any Member of the Authority or to a holder of any senior office under the Authority.

Applications, stating age, training, experience and qualifications, together with copies of three recent testimonials, should be sent to the undersigned not later than the 11th August, 1947.

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

County Architect.

968

COUNTY OF LINCOLN—PARTS OF LINDSEY. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff at salaries in accordance with the National Scheme.

(a) SENIOR QUANTITY SURVEYOR, Grade VI/VII, £535 per annum, rising to £650 plus bonus.

(b) SECTIONAL CHIEF ASSISTANT ARCHITECT, Grade V/VI, £460 per annum, rising to £600, plus bonus.

(c) THREE SENIOR ASSISTANT ARCHITECTS, Grade V, £460 per annum, rising to £510, plus bonus.

(d) SENIOR ASSISTANT ARCHITECT, Grade IV, £420 per annum, rising to £465, plus bonus.

(e) MAINTENANCE ASSISTANT (ENGINEERING), Grade IV, £420 per annum, rising to £465, plus bonus.

The cost-of-living bonus is at present £59 15s. per annum.

Candidates should clearly state for which appointment application is being made, and preference will be given to Members of the R.I.C.S. in the case of appointment (a) and Associates of the R.I.B.A. in the case of (b), (c) and (d). Applicants for (e) should possess sound knowledge of heating installations, electrical equipment, and repairs, and be able to prepare schemes and estimates of small works.

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

A car allowance on the County Council's scale for a car not exceeding 19 h.p. will be made in approved cases.

Applications should be sent, not later than seven days after the date of this advertisement, to the County Architect, County Offices, Lincoln, stating age, qualifications, experience, past and present appointments, and should be accompanied by not more than three testimonials.

ERIC W. SCORER.

Clerk to the County Council.

County Offices, Lincoln.

952

SEVENOAKS RURAL DISTRICT COUNCIL. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the permanent appointment of Architectural Assistant, in the Engineer and Surveyor's Department, at a salary in accordance with Grade III of the A.P. and T. Division of the National Joint Council Scale (£390—£15—£435), plus cost-of-living bonus (at present £59 15s. per annum).

Preference will be given to applicants who have passed the Intermediate Examination of the R.I.B.A. or hold an equivalent professional qualification and have a good knowledge of quantities. Experience on housing work in a Municipal office would be an advantage.

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

Applications, endorsed "Architectural Assistant," stating age, qualifications and experience, and accompanied by the names and addresses of two persons to whom reference can be made, must be received by the undersigned not later than Tuesday, 5th August, 1947.

Canvassing will be a disqualification.

JOHN MUDD.

Clerk of the Council.

Inglewood, Oak Hill Road, Sevenoaks

24th July, 1947.

951

CITY OF LEICESTER EDUCATION COMMITTEE.

APPOINTMENT OF ASSISTANT ARCHITECT.
Applications are invited for appointment of an Assistant Architect on the staff of the Education Committee's Architect (Mr. J. O. Thompson, F.R.I.B.A.), at a salary of £460 per annum, rising by annual increments of £15 to a maximum of £510, plus a current cost-of-living bonus, at present £60 (men) and £48 (women).

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

Forms of application may be obtained from the undersigned, to whom they should be returned when completed, accompanied by copies of not more than three testimonials, not later than Friday, 8th August, 1947.

ELFRID THOMAS.

Director of Education.

Education Offices, Newarke Street,

Leicester.

17th July, 1947.

950

COUNTY BOROUGH OF SWANSEA.

Applications are invited for the following appointments, on the established staff in the Borough Architect's Department—

(a) ASSISTANT ARCHITECT (Grade IV). Salary £420, rising by annual increments of £15 to £465 per annum.

(b) ASSISTANT QUANTITY SURVEYOR (Grade IV). Salary £420, rising by annual increments of £15 to £465 per annum.

(c) ASSISTANT QUANTITY SURVEYOR (Grade II). Salary £360, rising by annual increments of £15 to £405 per annum.

(d) ASSISTANT QUANTITY SURVEYOR (Grade I). Salary £330, rising by annual increments of £15 to £375 per annum.

The salary scales are those of the A.P. and T. Division of the National Scheme of Conditions of Service, and are exclusive of the "cost-of-living" bonus, payable in addition at the will of the Council (current rate 23s. per week).

Applicants must be under 45 years of age. The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

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

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

Applications, accompanied by copies of three recent testimonials, and enclosed in an envelope endorsed "Assistant Architect" or "Assistant Quantity Surveyor," as the case may be, must be delivered to the undersigned not later than Monday, 18th August, 1947.

Canvassing, directly or indirectly, will disqualify.

T. B. BOWEN.

Town Clerk.

Guildhall, Swansea.

18th July, 1947.

942

CITY OF NOTTINGHAM EDUCATION COMMITTEE.

Applications are invited from qualified Architects or Surveyors for the post of SURVEYOR to the Education Committee, at a commencing salary of £750 per annum, plus cost-of-living bonus, at present £59 15s. per annum.

Previous experience with a Local Education Authority is desirable, but not essential.

The Authority's Surveyor is responsible for the maintenance of all buildings, furniture, fittings, and playing fields. He is also expected to carry out minor alterations to buildings, and to advise the Authority generally on their programme for the acquisition of sites and erection of buildings.

Further particulars of the appointment, and form of application, may be obtained by sending a stamped addressed envelope to the undersigned, to whom completed applications should be returned within fourteen days of the appearance of this advertisement.

F. STEPHENSON.

Director of Education.

Education Offices, South Parade,

Nottingham.

940

WEST SUSSEX COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.
 Applications are invited for the appointment on the permanent staff of an **ASSISTANT QUANTITY SURVEYOR**, at a commencing salary of £460 per annum, rising by two annual increments of £15 and one of £20 to £510 per annum, in accordance with Grade V (A.P.T. Division) of the National Scales of Salaries. A cost-of-living bonus, at present £59 15s. per annum, will be payable in addition to the salary stated.
 Further particulars may be obtained from F. R. Steele, F.R.I.B.A., F.S.I., M.T.P.I., County Architect, County Hall, Chichester, to whom detailed applications must be submitted not later than the 15th August, 1947.

T. C. HAYWARD,
Clerk of the County Council.
 County Hall, Chichester. 936
 15th July, 1947.

ROXBURGH COUNTY COUNCIL.
ARCHITECTURAL ASSISTANT required for County Architect's Department. Salary in accordance with Grade V of the J.I.C. Scale, namely, £460, rising by two annual increments of £15 and one of £20 to £510 per annum, with placing according to qualifications and experience, plus appropriate war advance. Applications, giving details of age, experience and qualifications, to be lodged with the undersigned not later than 1st September, 1947.

JAMES R. HUME,
County Clerk.
 County Offices, Newton St. Boswells, Roxburghshire. 966

COUNTY OF DEVON.
COUNTY ARCHITECT'S DEPARTMENT.
 Applications are invited for the following appointments on the permanent staff in accordance with National Scale of Salaries:—
 (a) **THREE ASSISTANT ARCHITECTS.** A.P.T. Grade III. Salary £390-£435 per annum.
 (b) **ASSISTANT ESTIMATOR AND SURVEYOR.** A.P.T., Grade III. Salary £390-£435 per annum.

The salaries are subject to the addition of cost-of-living bonus, at present £59 15s.
 Candidates for (a) must be fully qualified and possess a sound experience in the design and maintenance of all types of buildings carried out by a large Local Authority.
 Candidates for (b) should have passed at least the Intermediate Examination of the Royal Institute of Chartered Surveyors (Quantities Sub-division), and be capable of undertaking preparation of detailed estimates, taking off quantities from drawings for variations; preparation and settlement of final accounts and the general technical duties in the Estimating Section of the County Architect's Department.

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 Wednesday, the 27th August, 1947.

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. 945
 18th July, 1947.

METROPOLITAN BOROUGH OF LEWISHAM.
BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the Council's permanent staff:—
 (1) **ARCHITECTURAL ASSISTANT, Class I.** Salary scale £280, rising to £320 per annum, plus bonus (A.P.T. Division, Grades V and VI).

(2) **TECHNICAL ASSISTANT.** Salary scale £285, rising to £330 per annum, plus bonus (Miscellaneous Division).

The cost-of-living bonus, payable in addition to the above salaries, is in accordance with the recommendations of the London District Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, and at present amounts to £59 15s. for men.

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 applicants; and (iv) termination by one month's notice on either side.

Candidates for appointment (1) must hold a recognized degree in Architecture, have passed the final (Associatehip) Examination of the R.I.B.A., or hold equivalent qualifications. Preference will be given to candidates with wide housing experience, including the design and construction of multi-storey flats.

Candidates for appointment (2) must have a good knowledge of building construction, and have had drawing office experience.

Forms of application may be obtained from me, and should be returned, accompanied by copies of not more than three testimonials, addressed to me in an envelope endorsed with the name of the appointment for which application is made, so as to be received not later than Saturday, 23rd August, 1947.

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

ALAN MILNER SMITH,
Town Clerk.
 Lewisham Town Hall, Catford, S.E.6. 941
 17th July, 1947.

CORPORATION OF LONDON.
CITY SURVEYOR'S OFFICE.
APPOINTMENT OF TECHNICAL STAFF.
 Applications are invited for the following appointment in the City Surveyor's Office:—
ASSISTANT ARCHITECT AND SURVEYOR. Salary up to £475 p.a. (inclusive of consolidated bonus) according to age, qualification and experience.

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

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

Previous experience with a Municipal body is not essential.

Applications, endorsed "Technical Staff," to be made to George Holliday, F.S.I., City Surveyor, 55-61, Moorgate, E.C.2, giving the following particulars: Service with Armed Forces, age, qualification or intentions in connection therewith, previous training, positions and experience, date when available to commence duties if selected, together with copies of two testimonials. 979

The Stevenage Development Corporation invites applications for the post of **CHIEF ARCHITECT AND PLANNER** for the New Town of Stevenage. The Master Plan, prepared by Mr. Gordon Stephenson, F.R.I.B.A., A.I.L.A., A.M.T.P.I., of the Ministry of Town and Country Planning, has been adopted in principle by the Corporation, but is still flexible and no buildings have yet been designed.

The candidate appointed will be in charge of the Department responsible for the further development of the plan and its adaptation to the specific needs of the people who will be coming to live and work in the New Town. He or she will be expected to design some of the principal buildings erected on behalf of the Corporation, and to advise the Corporation on all the architectural and town planning problems which will arise in the course of the town's development. The post calls for a man or woman of exceptional imagination, boldness of vision, energy and organizing ability. Salary £1,500 to £2,000 per annum, according to qualifications.

Applications should be made in writing, stating date of birth, together with full details of qualifications and experience (including a list in chronological order of appointments held), and should be received by the Stevenage Development Corporation, Aston House, near Stevenage, Herts., not later than 14th August, 1947. 980

Architectural Appointments Vacant

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

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

CAPABLE ASSISTANT required for general practice in Cumberland, Westmorland, and North Lancashire; able to carry contracts through with very little supervision. C. B. Martindale, A.R.I.B.A., Cathedral Chambers, Castle Street, Carlisle. 611

ENGINEERS, with thorough experience in design of reinforced concrete structures, preferably with University degree and/or A.M.I.C.E., or other professional qualifications, required; required at Glasgow, Manchester and Birmingham; positions are of responsibility and will be permanent. Please write, giving full details, to The Trussed Concrete Steel Co., Ltd., 6, Collingham Gardens, Earl's Court, S.W.5. 863

APPLICATIONS are invited by the Co-operative Wholesale Society, Ltd., for appointments as **ASSISTANT ARCHITECTS**; applicants should be good draughtsmen, with a sound knowledge of general construction, and experience in commercial and industrial work will be an advantage; salary £420 to £500 per annum, plus cost-of-living bonus of £74 per annum, or £500 to £600 per annum, plus cost-of-living bonus of £100 per annum, according to experience and qualifications; good prospects of promotion for competent assistants; successful candidates will be required to pass a medical examination for entry into compulsory superannuation scheme. Applications, stating educational qualifications and experience, to be addressed to the C.W.S., Ltd., Architect's Dept., 1, Balloon Street, Manchester, 4. 753

WE are requiring, at Glasgow, Manchester and Birmingham experienced reinforced concrete **DETAILERS** and **DRAUGHTSMEN**; positions are of responsibility, and will be permanent. Please write, giving full details, to The Trussed Concrete Steel Co., Ltd., 6, Collingham Gardens, Earl's Court, S.W.5. 864

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ARCHITECTURAL ASSISTANTS required immediately, with sound knowledge of construction, and preferably experienced in industrial work and capable of preparing complete working drawings. Write, stating age, experience, and qualifications, to Elliott, Cox & Partners, Coastal Chambers, 172, Buckingham Palace Road, London, S.W.1. 751

ASSISTANTS required (20-23 years); capable draughtsmen; surveys, working drawings, specifications, etc.; busy private practice. Clark, 44, Great Russell Street, W.C.1. Museum 4400. 806

APPLICATIONS are invited by a well-known firm of Building Contractors in N.W. London for an **ARCHITECTURAL ASSISTANT**, in their Architect's Department; applicants should be to final R.I.B.A. standard, preferably with experience in House and Factory design. Box 845.

SEELY & PAGET, F./L.R.I.B.A., require fully qualified **ASSISTANT**; must be experienced working drawings and specifications, with sound knowledge of all normal methods of construction; licensed work now in hand includes many important Ecclesiastical commissions. Apply by letter, giving usual details, to 41, Cloth Fair, E.C.1. 924

JUNIOR and **SENIOR ARCHITECT'S ASSISTANTS** required; salaries £350 to £700. Also **WORKER-UP** for Quantity Surveyor's Department. For particulars apply to Harold Marsh, L.R.I.B.A., 14, King Street, King's Lynn. 885

EXPERIENCED ARCHITECTURAL DRAUGHTSMAN required; must have thorough knowledge of building construction, and be capable of preparing detailed working drawings and specifications from sketch designs for large commercial and industrial buildings; knowledge of estimating and preparing of bills of quantities an advantage. Write, stating age, qualifications, and full details of experience; salary according to experience. Box 895.

WANTED—Experienced **ARCHITECTURAL ASSISTANT**, West Riding of Yorkshire. Full particulars, including salary required, to Box 904.

CIVIL ENGINEERING ASSISTANT, with architectural experience, required; knowledge of reinforced concrete site layouts; some industrial experience essential. Apply Midland Tar Distillers, Ltd., Oldbury, Birmingham. 975

TWO CIVIL ENGINEERING DRAUGHTSMEN required; knowledge of reinforced concrete and structural steel work; varied and interesting work. Apply Midland Tar Distillers, Birmingham Road, Oldbury. 976

ARCHITECTURAL DRAUGHTSMAN required by large Company of Building Contractors, in connection with a new system of construction for permanent housing, when accuracy of details is essential. Applications, together with full details of experience and date when available, to Box 973.

ARCHITECTS require **JUNIOR ASSISTANT**, R.I.B.A. Intermediate Standard. Apply by letter to Watson & Johnson, 5, Victoria Square, Birmingham, 2. 947

QUALIFIED QUANTITY SURVEYORS for office and on site required by large Oil Company in North-West, for large architectural and civil works of industrial nature; age 39/40. Write, stating full particulars of experience, qualifications and salary required, to Box 939.

ARCHITECTURAL ASSISTANT, passed A.R.I.B.A. examination, required for old-established British private firm in Far East; age 25/28; capable and trained in general practice; salary £50 per month, and high cost of living allowance. Applications, with copies of testimonials, Box ZH.182. Deacons Advertising, 36, Leadenhall Street, London, E.C.3. 948

JUNIOR ASSISTANT required in September by London Architect, F.R.I.B.A. F.S.I.; preference given to one who has just completed a five years' training course. Box 950.

BRITISH EUROPEAN AIRWAYS invite applications for three **ARCHITECTURAL ASSISTANTS**, the posts are immediately available on a temporary basis for a central London office and, due to post-war development in civil aviation, the work is varied and extensive; applicants should have sound knowledge of general construction, good draughtsmanship, and be able to develop working drawings, all scales, from sketch designs; practical site knowledge an advantage; salary up to £500 gross per annum, according to qualifications. Applications marked "Architectural Assistant," giving details of age, education and experience, are to be forwarded to the Staff Manager, H.Q. B.E.A., Northolt, Middlesex. Closing date 7th August, 1947. 461

ASSISTANT ARCHITECT required for Manchester practice. Box 969.

ARCHITECTS.—Vacancies exist for Architects in the South Australian Public Service and Housing Trust, Adelaide; age between 23/35; fare paid; commencing salary £610 p.a. (Australian). Further particulars from Agent General and Trade Commissioner for South Australia, South Australia House, Marble Arch, W.1. 966

ARCHITECTURAL ASSISTANT required, South London office; competent to prepare working drawings, surveys, specifications, for licensed houses, shops and factories. Write, stating age, salary and experience, to Box 963.

SCOTTISH SPECIAL HOUSING ASSOCIATION, LTD. invite applications for the following appointments:—Contracts and Progress Department: One Assistant Contracts and Progress Officer, £250—£285; one Regional Progress Officer, £358—£420; one Progress Assistant, £270—£315; one Clerk (Contracts), £278—£315; one Draughtswoman, £180—£213; one Junior, £96 at 15 years to £188 at 20 years. Direct Labour Department: One Taker-off, £450—£525—£675; two Builders' Surveyors, £450—£525—£675; two Setting-out Assistants, £300—£315—£400. No bonus is payable on the salaries stated. Forms of application, with full particulars, can be obtained from the Secretary, Scottish Special Housing Association, Ltd., 15/21, Palmerston Place, Edinburgh, 12, and all applications must be in the hands of the Secretary not later than 14 days after the appearance of this advertisement. Canvassing will be a disqualification. 967

DIOCESAN Surveyor requires **ARCHITECTURAL ASSISTANT**, for work in old churches and general practice; Inter. standard considered. Full particulars to Lawrence H. Bond, 11, Elmer Street, Grantham. 960

ARCHITECTURAL ASSISTANT required immediately; Intermediate standard or better; surveys and levelling, working drawings and details; quick accurate draughtsman; busy office. Write, stating age, experience, and salary required, to Ruddle & Wilkinson F./L.R.I.B.A., Long Causeway Chambers, Peterborough. 932

ASSISTANT ARCHITECT (HOUSING)—**BOURNVILLE VILLAGE TRUST.**—Applications are invited for the position of Assistant Architect, to take charge, under the direction of the Chief Architect, of the Housing Section of the Architectural Department; candidates must be properly qualified Architect, experienced in Municipal and Private Housing Schemes; they must be thoroughly conversant with both traditional and new types of construction, able to prepare accurate layouts, working drawings, details, specifications, and to take responsibility for day to day administration of contracts and for settlement of accounts; salary according to qualifications and experience (house available). Applications, stating age, training, experience, and date when free to begin new appointment, to be forwarded to the Secretary, Bournville Village Trust, Estate Office, Bournville, Birmingham, 30. 933

POST vacant for a **CHARTERED ARCHITECT** in Home Counties; progressive possibilities. Box 940.

SURVEYOR required for country practice; 30 miles North of London. Box 982.

Architectural Appointments Wanted

ARCHITECTURAL ASSISTANT requires change of position with Liverpool firm of Architects, appreciating initiative and ability to carry out works without supervision, and are prepared to remunerate with moderate salary adjusted to the present day cost of living; capable of preparing working drawings, land surveys, levelling, war damage procedure, etc. Box 372.

STUDENT requires work of an architectural nature; recently sat for final R.I.B.A.; good draughtsman, with some office experience; London area. Box 376.

DEMOLISHED ARCHITECT'S ASSISTANT (32), Intermediate standard, requires post in London office; experience in flats and factory designs. Box 378.

CHARTERED ARCHITECT, with wide experience in England and overseas, desires responsible appointment; administrative ability, competent designer and draughtsman; minimum salary 13 guineas per week. Box 376.

ARCHITECTURAL ASSISTANT (age 27) requires appointment with private or commercial firm; awaiting results of final R.I.B.A. exam.; own car; salary £200. Box 377.

QUALIFIED ARCHITECT (29), with pre-war experience, good knowledge of construction, quantities and specifications, desires responsible position in country practice, with possible view to partnership; limited capital available; special knowledge of farming and farm reconstruction. Box 379.

Other Appointments Vacant

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

CIVIL ENGINEER required by large Oil Company in North-West to supervise outside construction work; must be Corporate Member of Institute of Civil Engineers; applicants should have wide experience, including reinforced concrete, heavy foundations, piling, earthworks, drainage and sewerage disposal, road, railways, etc.; age about 35. Send full particulars to Box 940.

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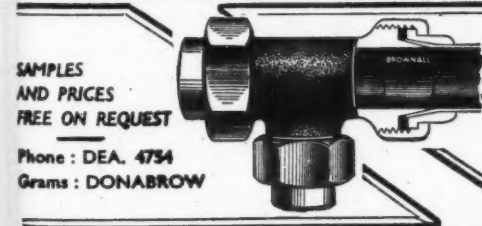
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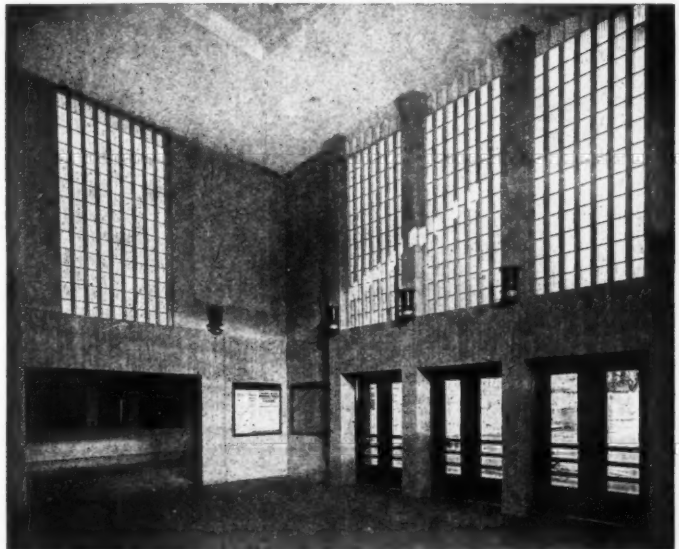
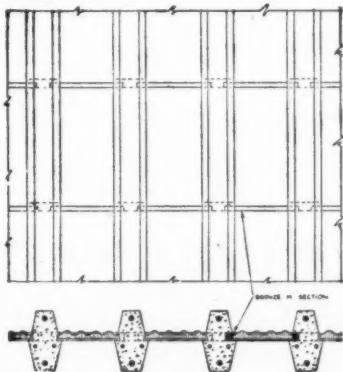
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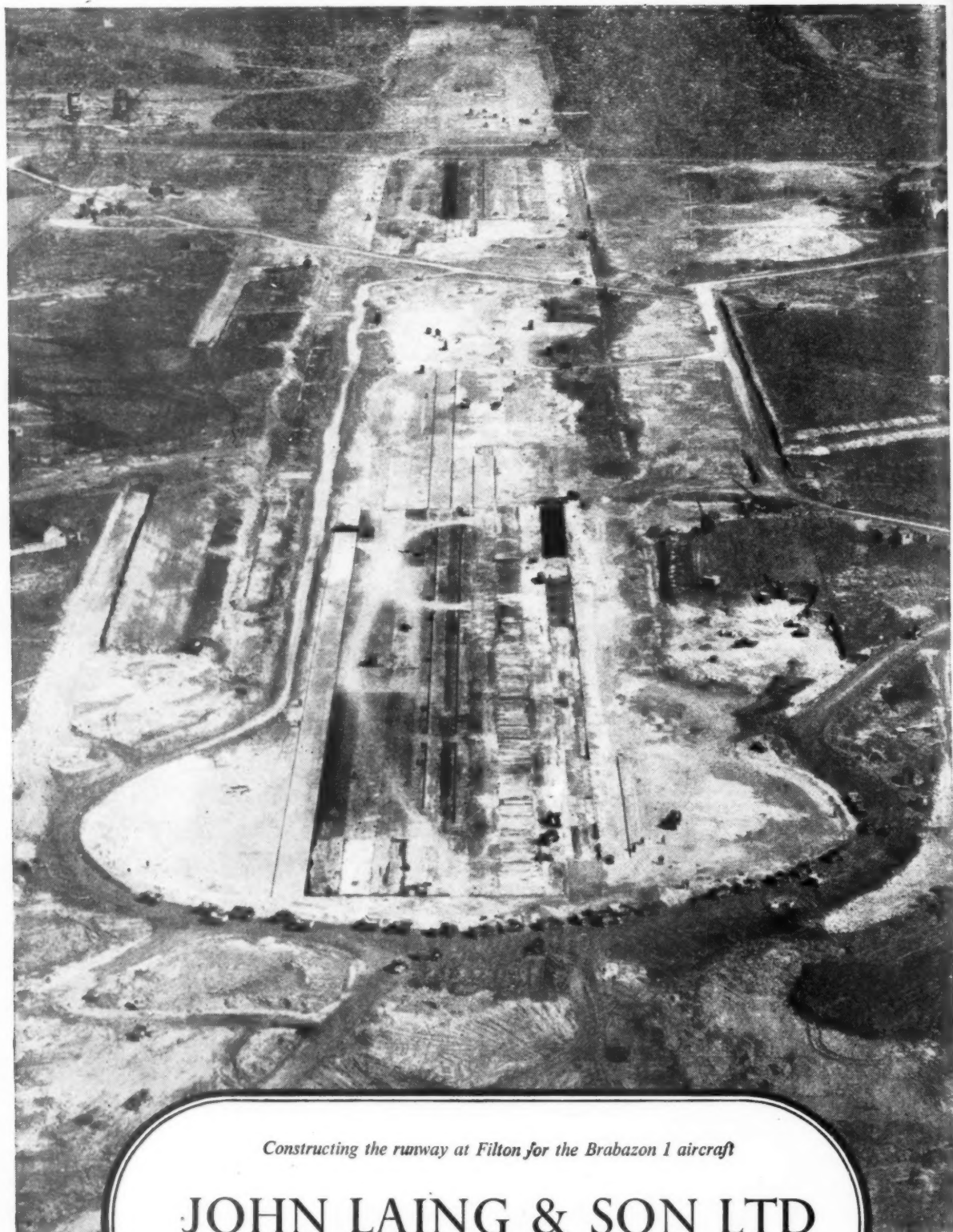
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