

THE ARCHITECTS' JOURNAL



Standard contents

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

DIARY NEWS

from AN ARCHITECT'S Commonplace Book

ASTRAGAL LETTERS

PHYSICAL PLANNING CURRENT BUILDINGS INFORMATION CENTRE

Physical Planning Lighting
Structure Heating & Ventilation
Materials Questions & Answers
Acoustics & Sound Insulation

INFORMATION SHEET

SOCIETIES & INSTITUTIONS

PRICES

Architectural Appointments
Wanted and Vacant

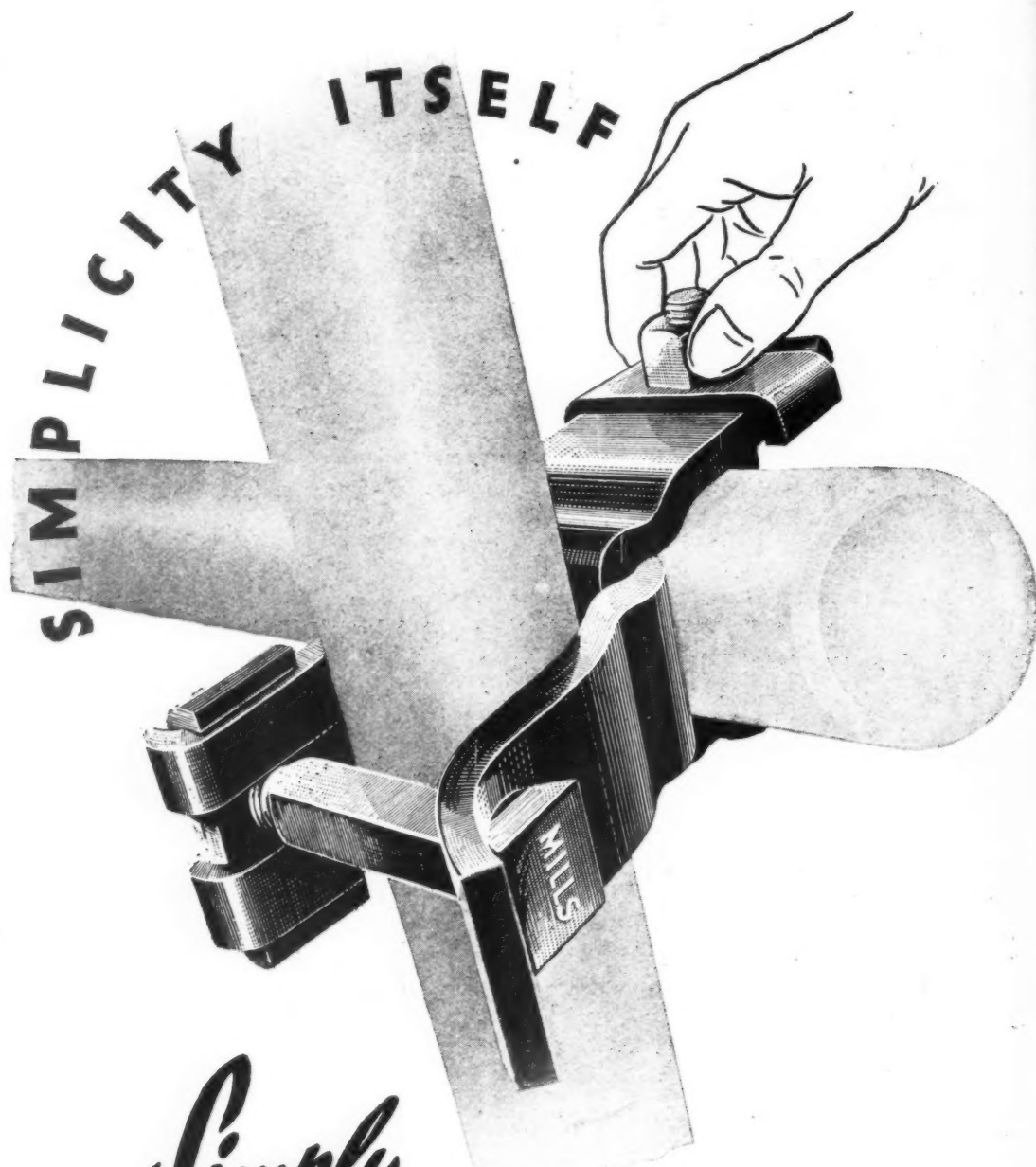
No. 2694] [VOL. 104
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★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers, is given below. In all cases where the town is not mentioned the word LONDON is implicit in the address.

AA	Architectural Association. 34/6, Bedford Square, W.C.1.	Museum 0974
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 9, Belgrave Square, S.W.1.	Sloane 0421
ADA	The Aluminium Development Association. 67, Brook Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 2128
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 25, Victoria Street, S.W.1.	Abbey 5422-3
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford.	Garston 2246
BSA	British Steelwork Association. Egginton House, Buckingham Gate, S.W.1.	Victoria 7301-2-3
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett, Herts.	Radlett 5616
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.	Sloane 4280
CSI	Chartered Surveyors' Institution. 12, Great George Street, S.W.1.	Whitehall 5322
DIA	Design and Industries Association. 9, Conduit Street, W.1.	Mayfair 0477
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FMB	Federation of Master Builders. 23, Compton Terrace, Upper Street, N.1.	Canonbury 2041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 4, Hobart Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13 Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 3158
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577
IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Museum 7197
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Abbey 6172
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Sloane 7128-29
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Whitehall 7264
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Museum 3767
MARS	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
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Kensington 7070
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Langham 4041
NFBTO	National Federation of Building Trades Operatives. 9, Rugby Chambers, Rugby Street, W.C.1.	Holborn 2770
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Whitehall 2881/2/3
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 0211/2
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Whitehall 7245
RCA	Reinforced Concrete Association. 91, Petty France, S.W.1.	Whitehall 9936
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
RS	Royal Society. Burlington House, Piccadilly, W.1.	Regent 333*
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Temple Bar 8274
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Chancery 5313
SAC	Scientific Advisory Committee, Ministry of Works, Lambeth Bridge House, Albert Embankment, S.E.1.	Reliance 7611, Extension 1450
SIA	Society of Industrial Artists. 20, Wellfield Avenue, N.10.	Tudor 7027
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Holborn 2646
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	Temple Bar 5006
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	City 6147
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	Victoria 8815



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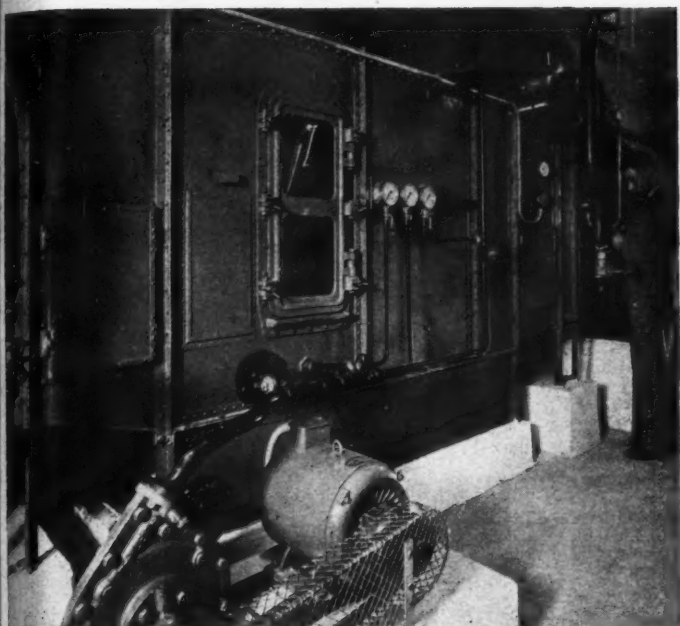
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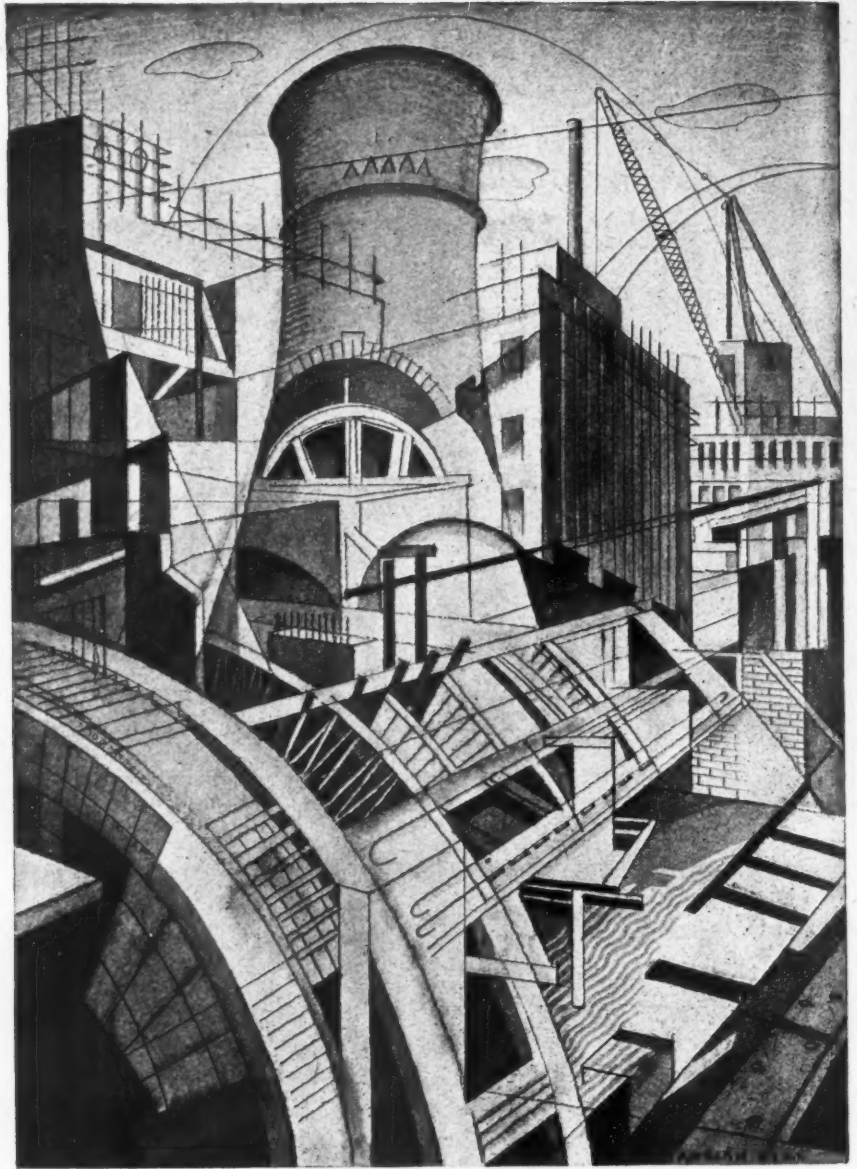
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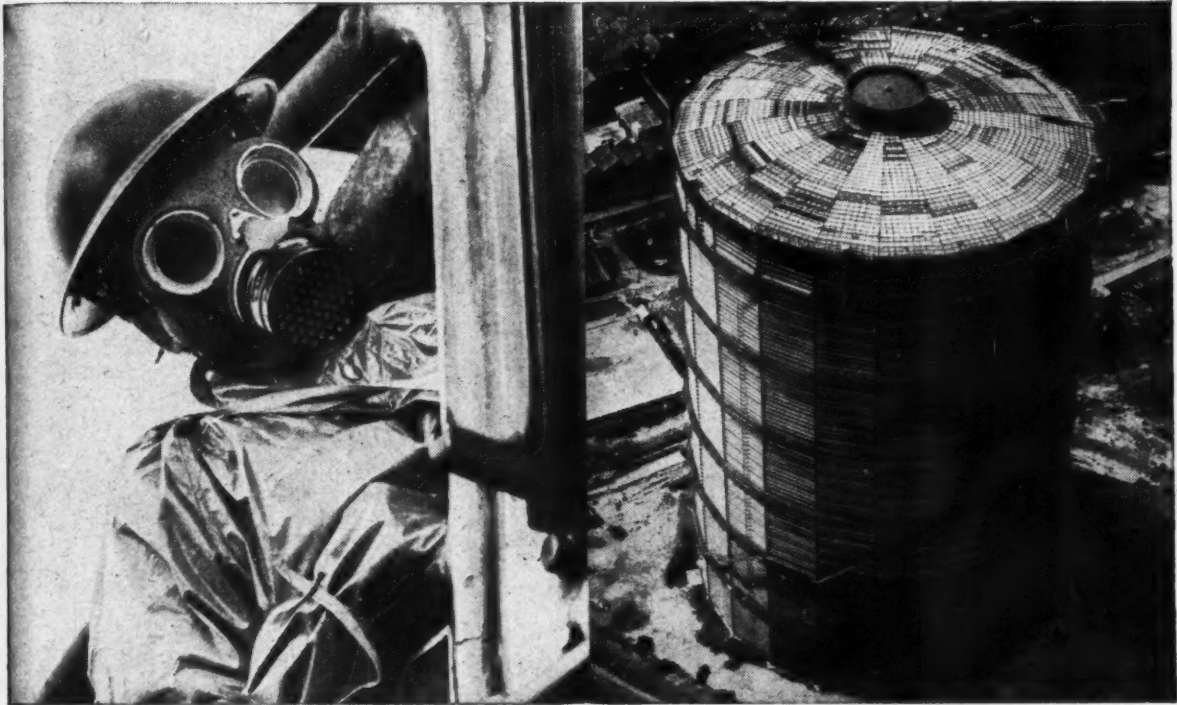


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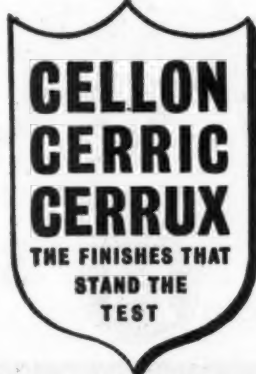
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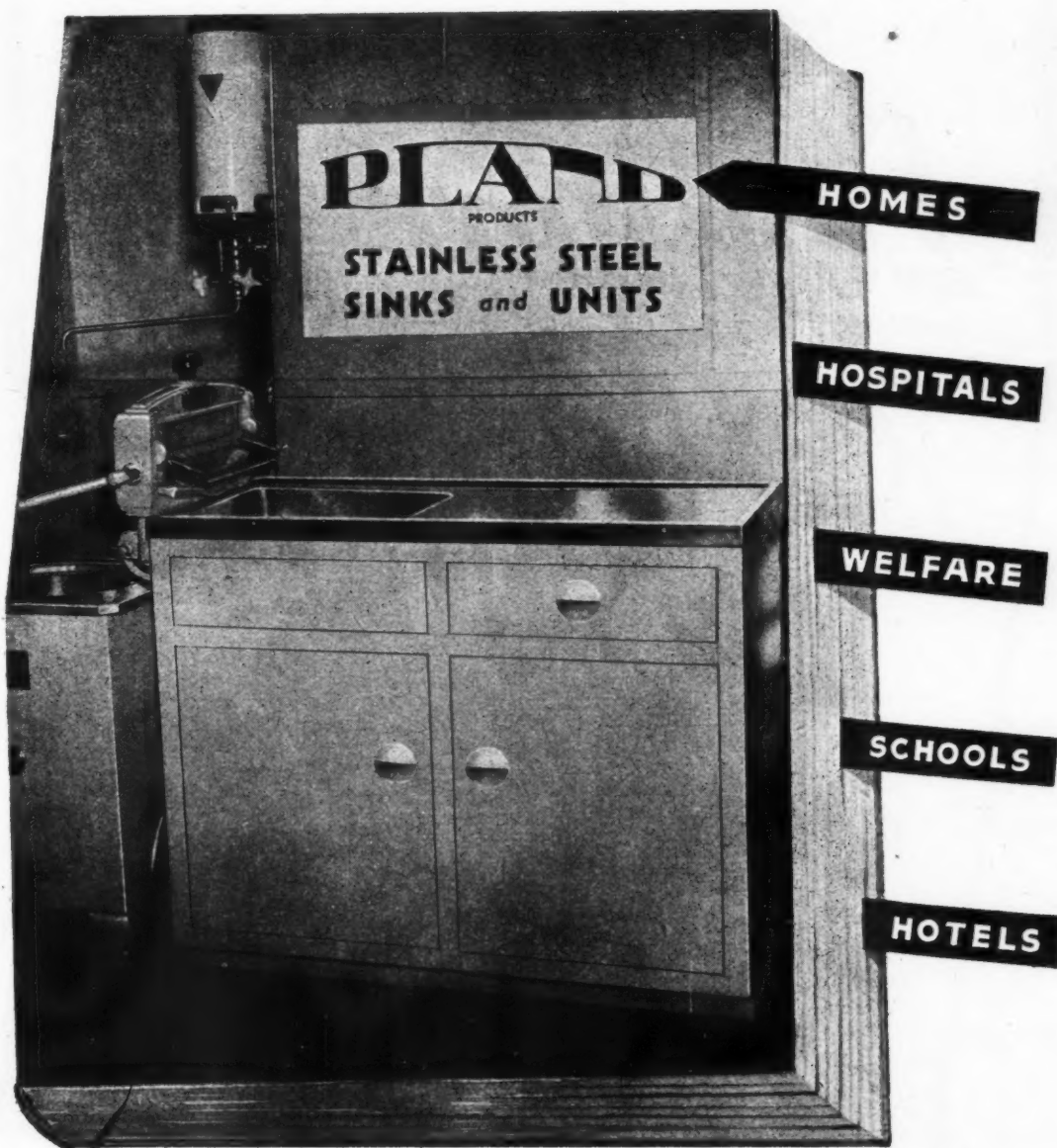
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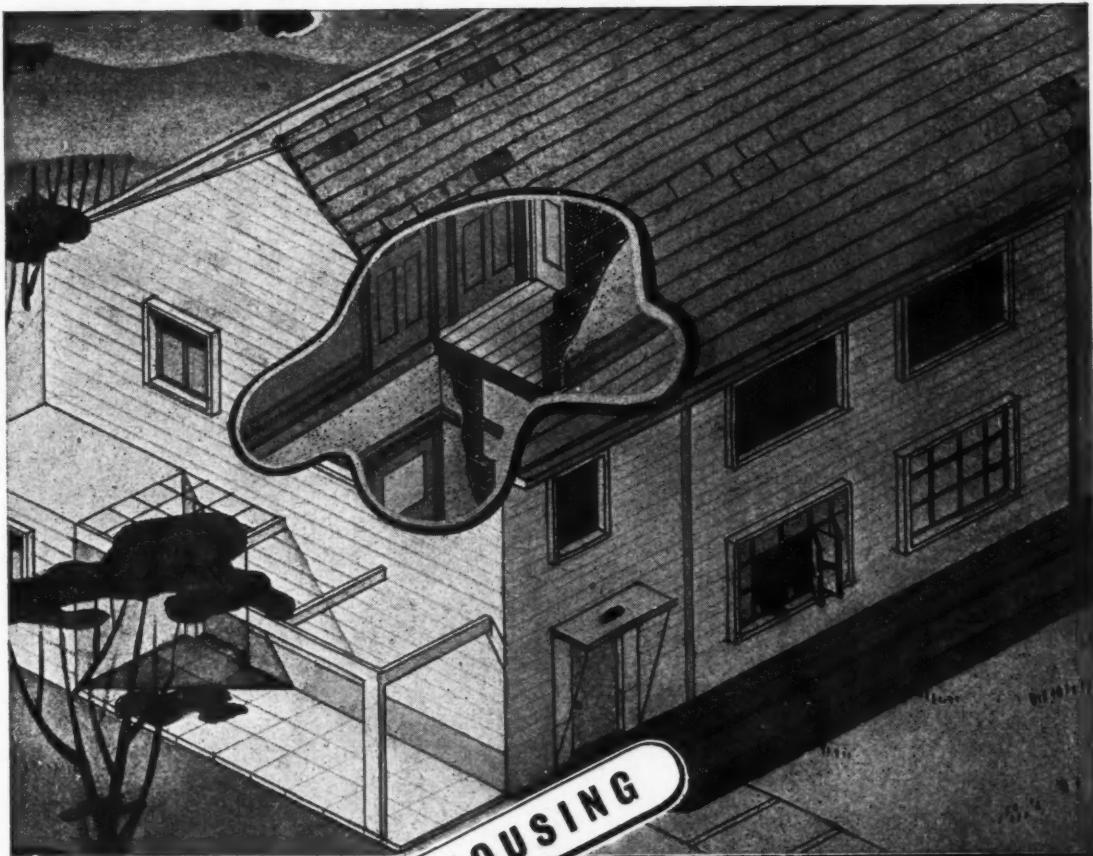
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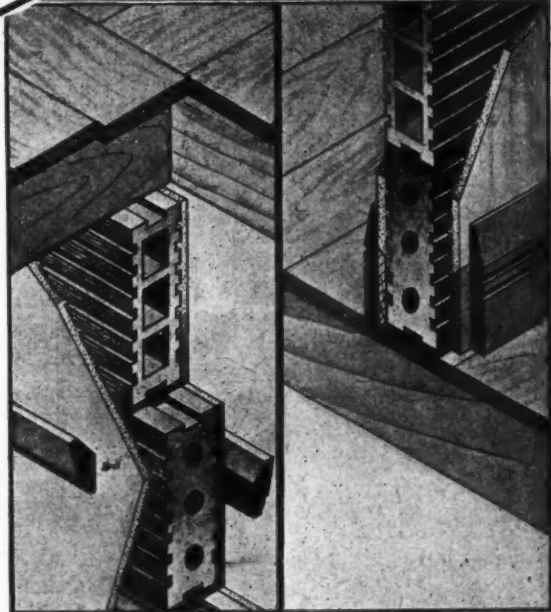
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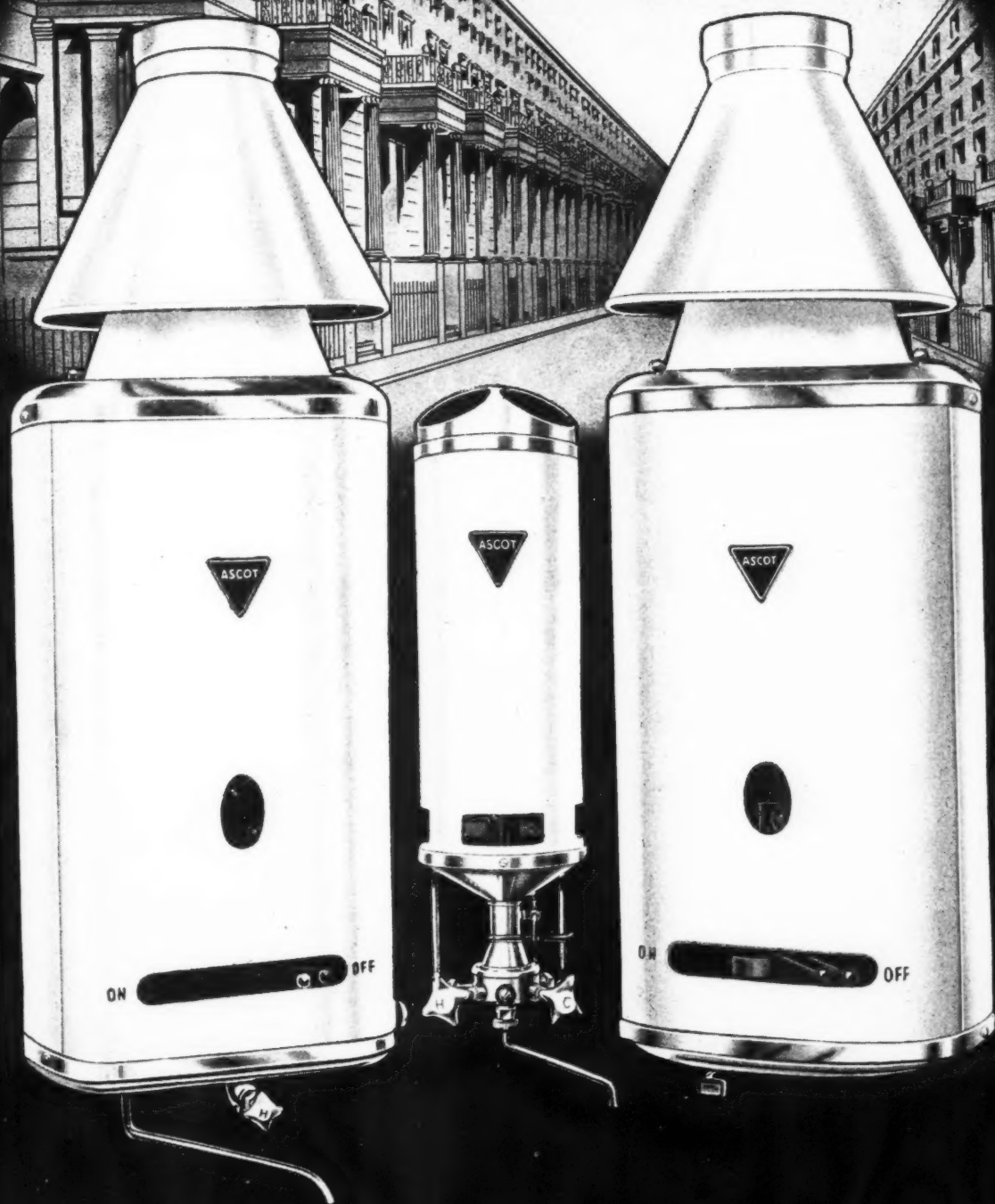


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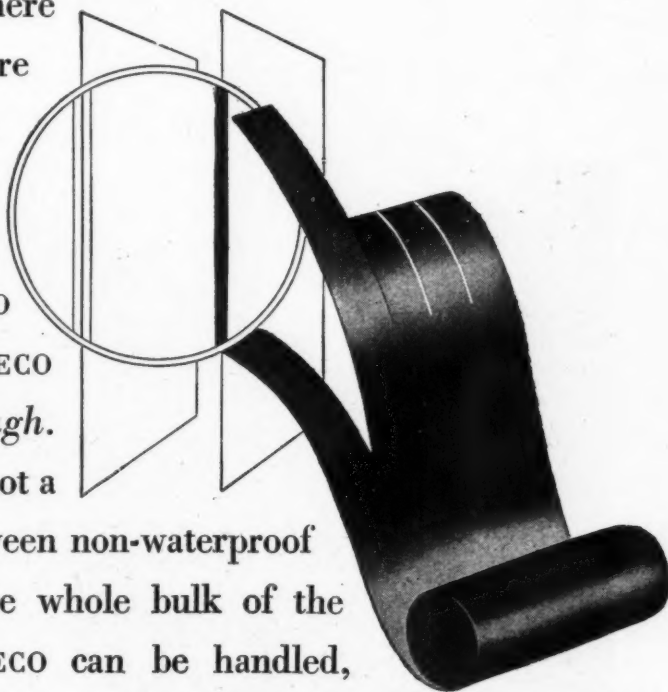
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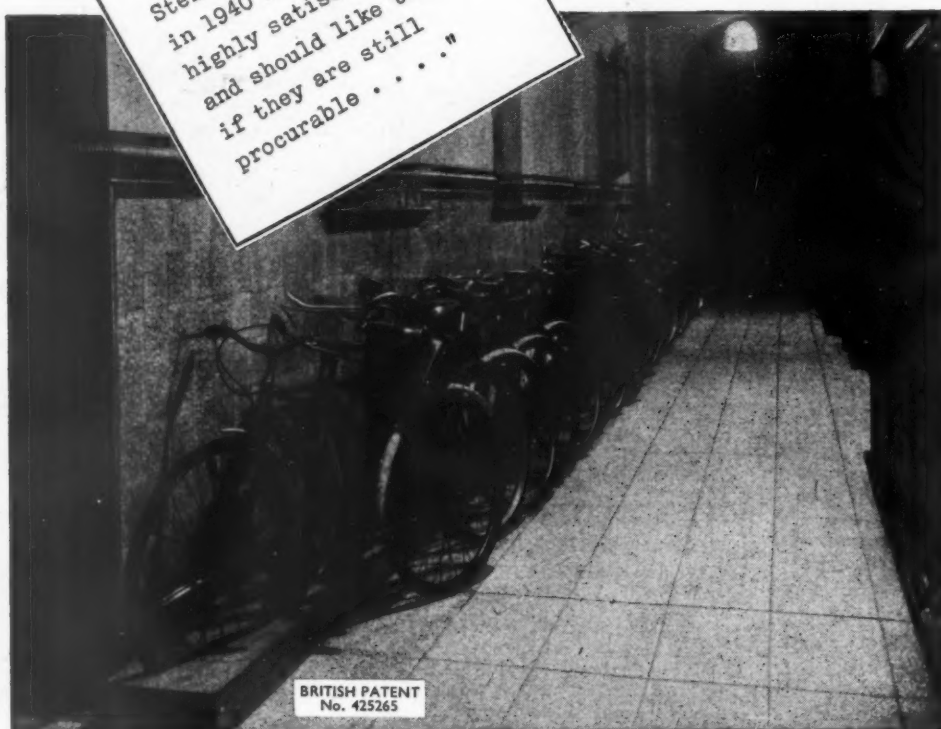
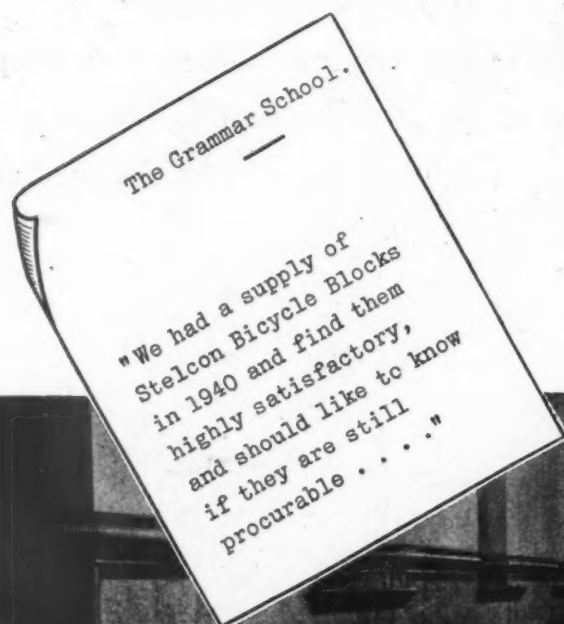


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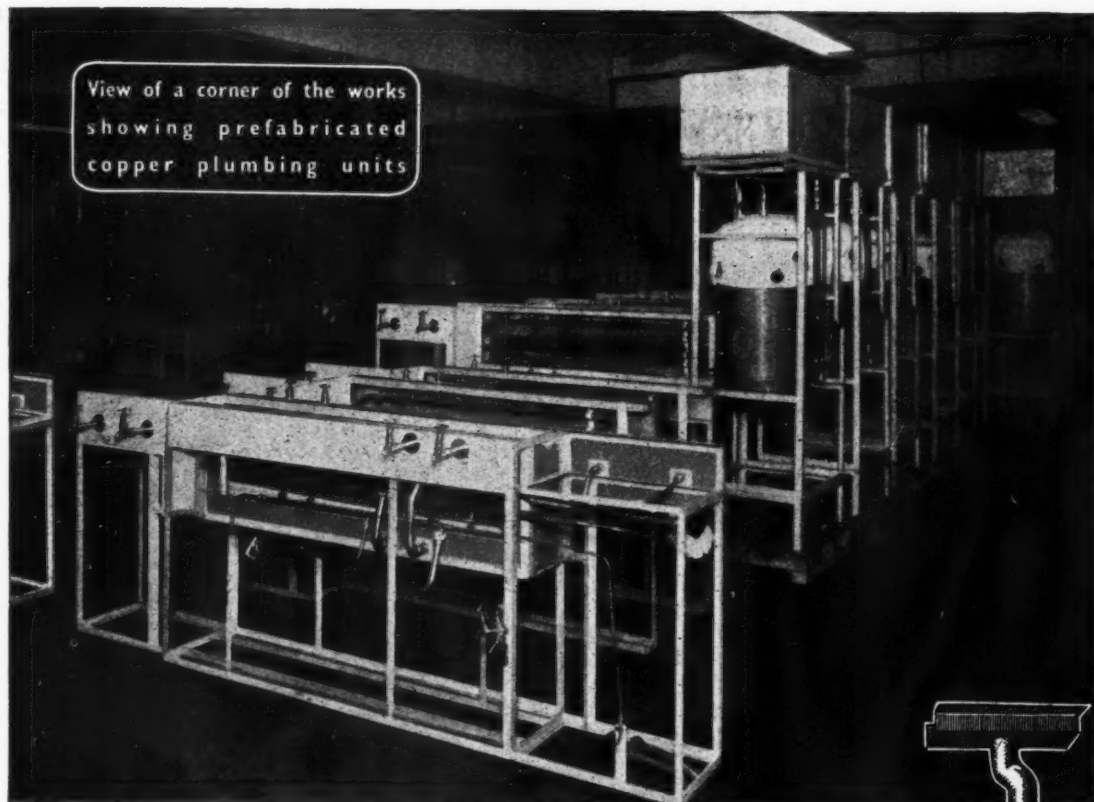


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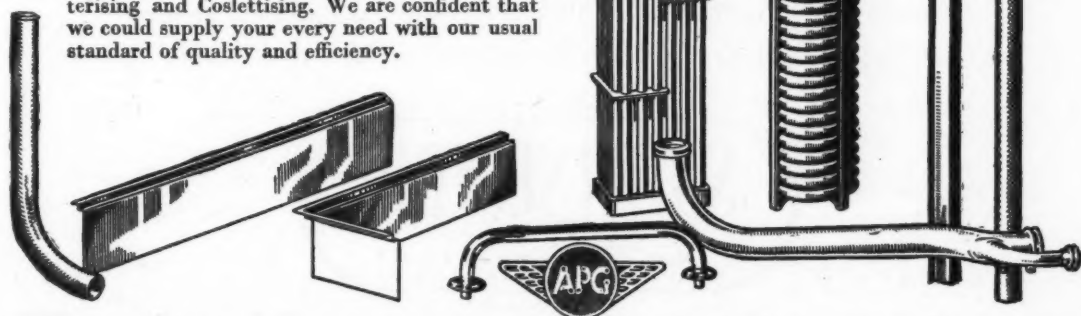
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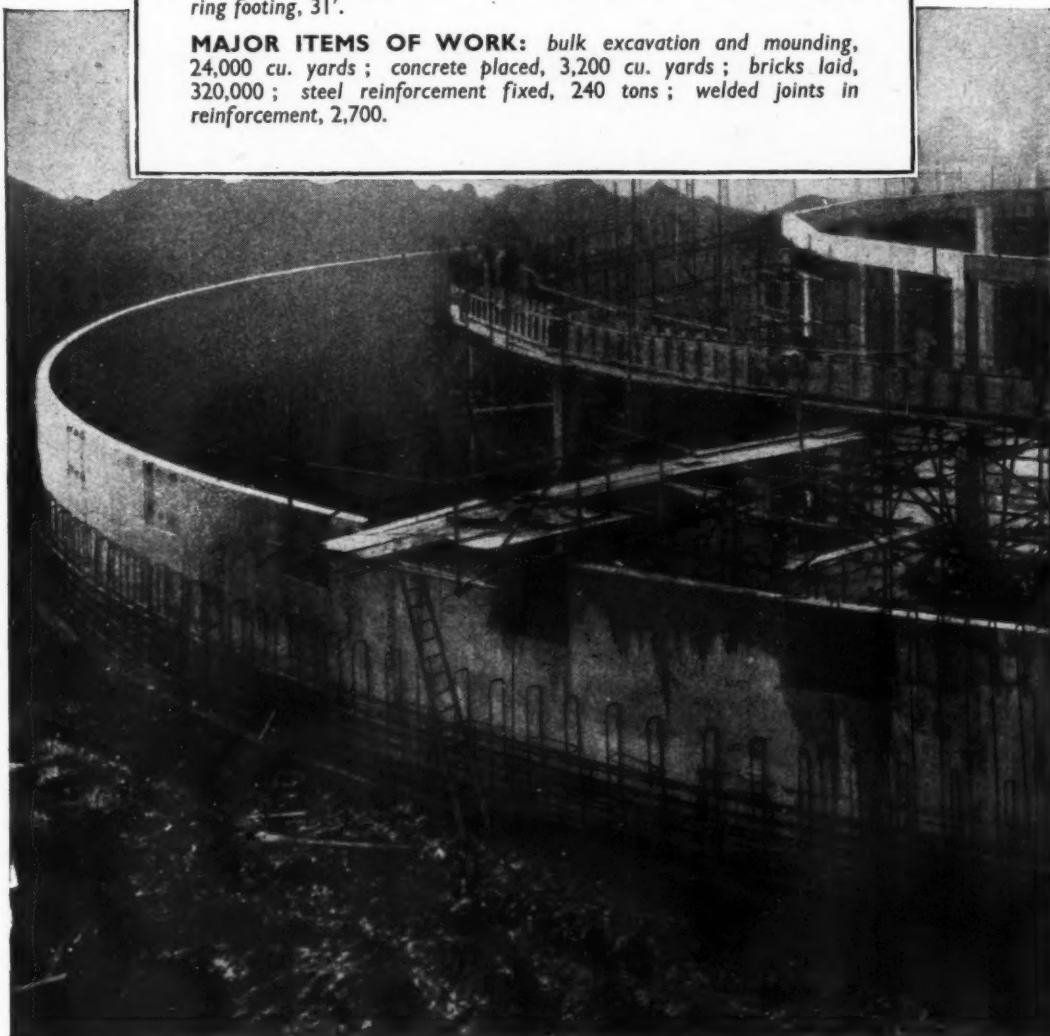
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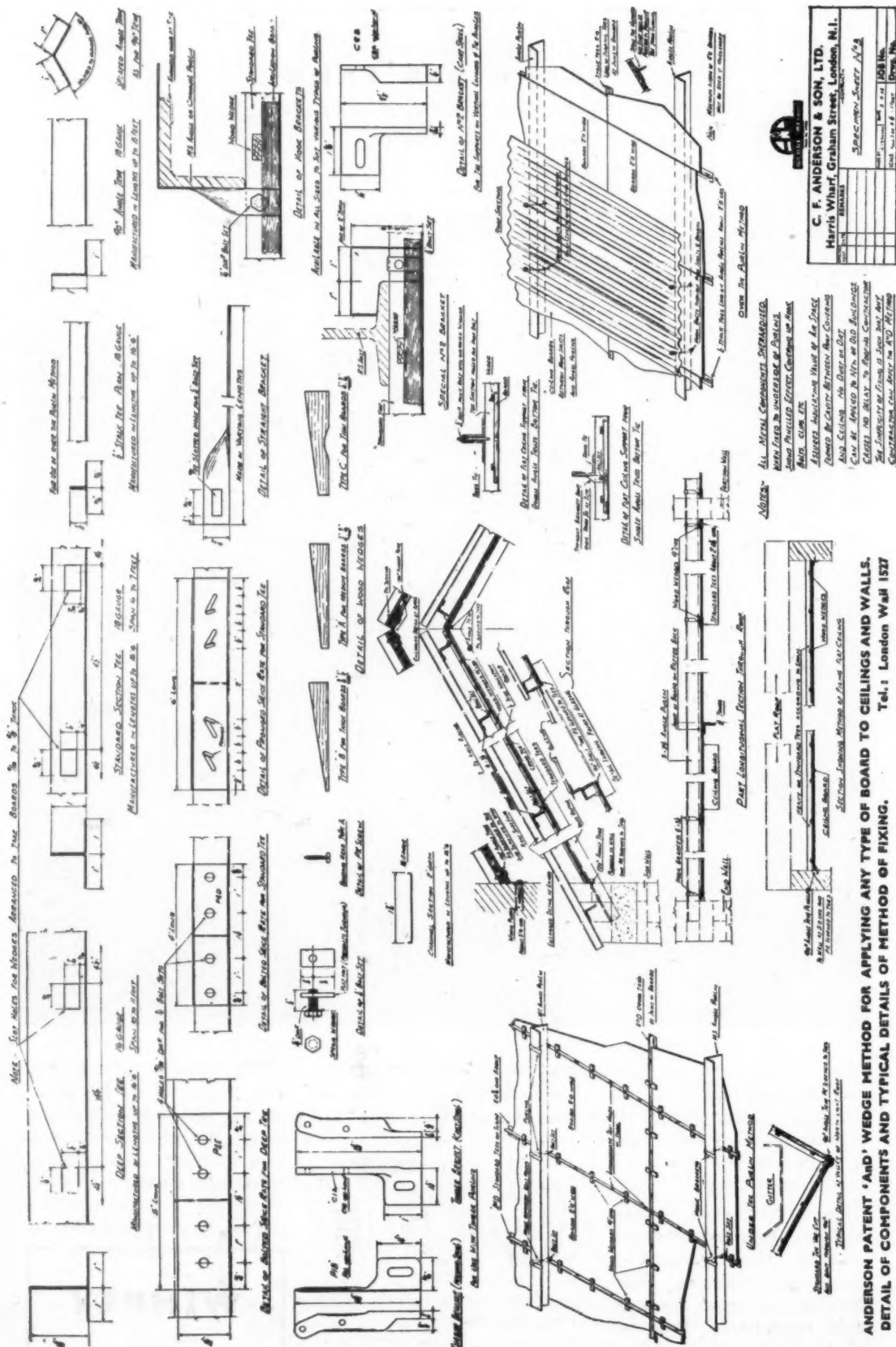
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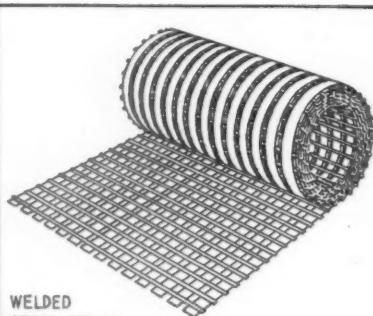


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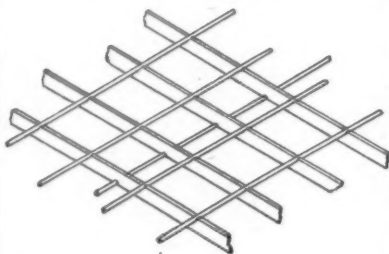
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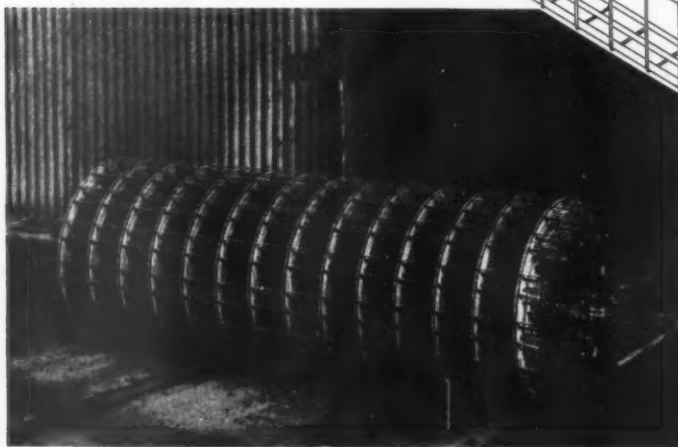
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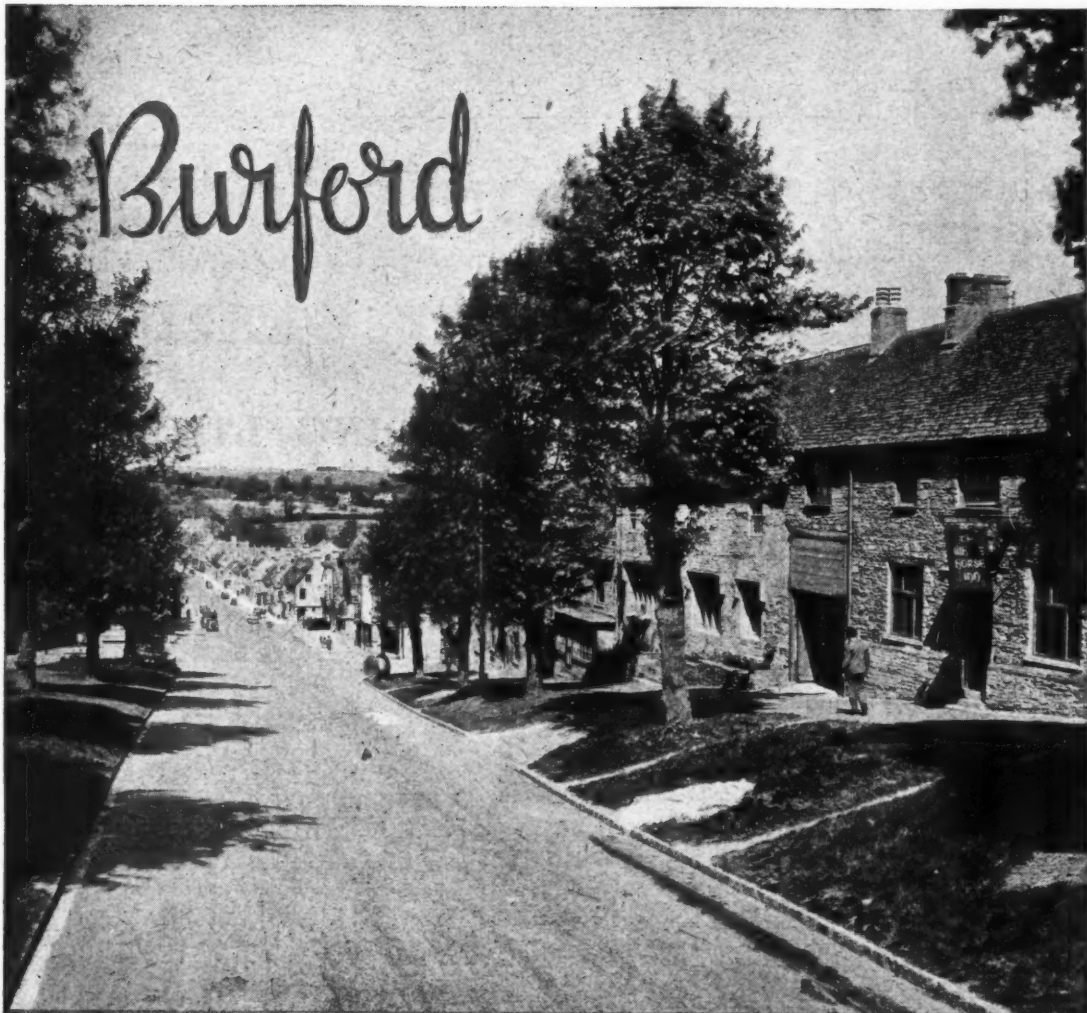
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THE MASTICON PROCESS

FOR

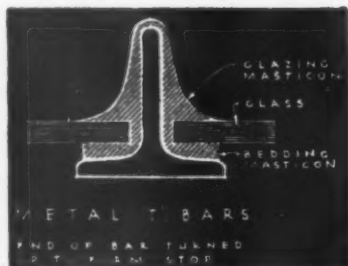
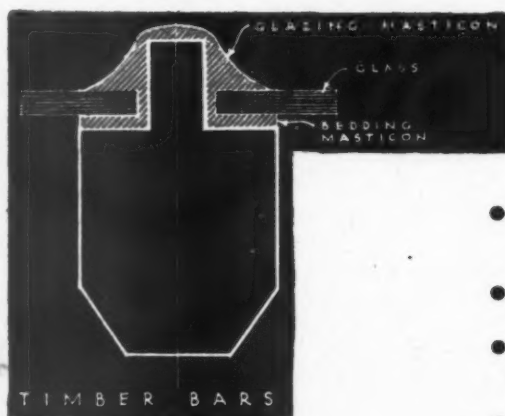
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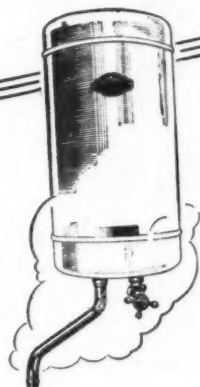


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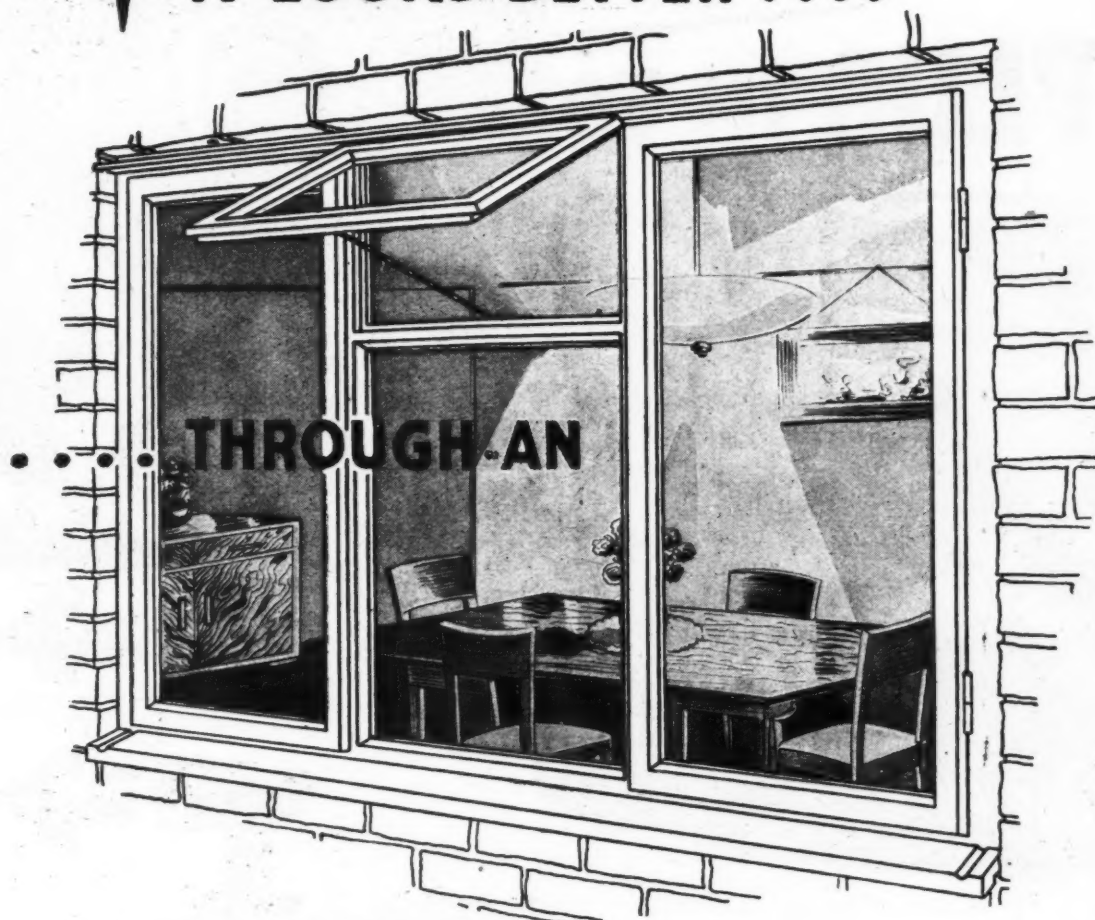
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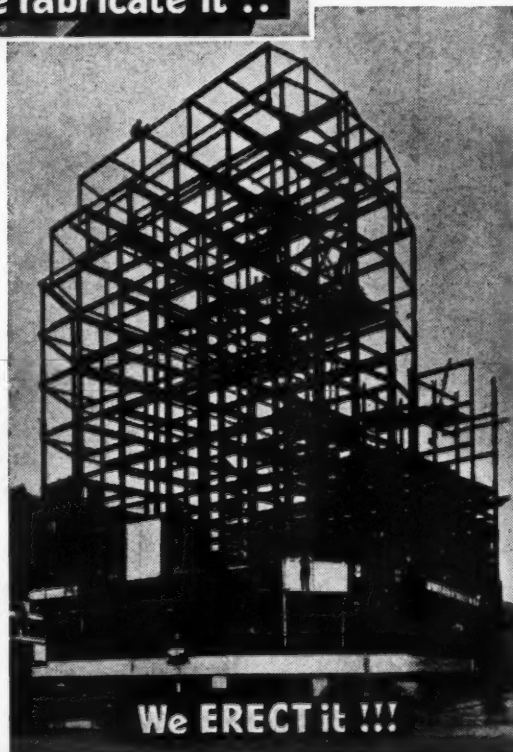
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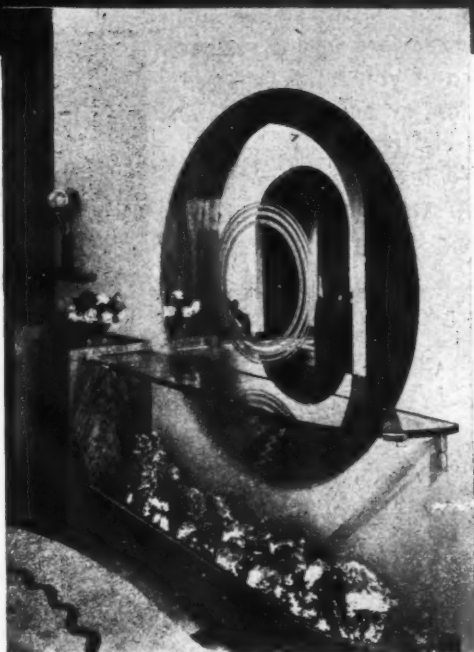


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THE POTTER BECOMES A SCRIBE

In the valleys of the Tigris and the Euphrates, the ancient civilisations of the Sumerians, Babylonians and Assyrians flourished and fell between about 4000 and 538 B.C.

At Ur, Babylon, Nineveh and elsewhere in Mesopotamia, there remain to this day vast mounds of débris—some containing the superimposed ruins of twenty successive settlements. In the lowest levels, hand-made painted pottery, made 6,000 years ago, has been found mingled with wares of somewhat later date, obviously made on the wheel. Layer by layer, as the mounds are excavated, the pottery finds reflect the advance and decline of different cultures, the influence of Medes, Chaldeans, Persians, Greeks and other invaders.

Decorated vases and terra cotta sculptures reveal details of dress and social life. Clay figurines depict the "Mother Goddess" and other deities whom these ancient peoples worshipped. Babies' feeding bottles and painted coffins, both of clay, are poignant reminders of life's brief span. Earthenware vats for holding dyes, sun-dried and baked bricks, clay drainpipes and wonderfully modelled and enamelled sculpture in brick and terra cotta show that then, as today, pottery was used in industry, architecture and sanitation.

But the Sumerians and their successors had yet another use for clay. They even wrote upon it! Tens of thousands of clay tablets, found in the ruins of ancient libraries, disclose a

wealth of information concerning the religion, sciences and arts of those times. There are also records of laws, copies of mortgages, wills and business ledgers dating back to the time of Abraham. Professional scribes wrote these records in soft clay tablets which were signed by impressing a seal from an engraved stone cylinder. Important documents were enclosed, as a further precaution, in clay envelopes which were also sealed.

The Babylonians knew the uses of cobalt, copper and iron oxides as colorants for their glazes and are believed to have originated tin-enamelling—an art carried to great perfection by Delftware potters in Lambeth in the 17th century.



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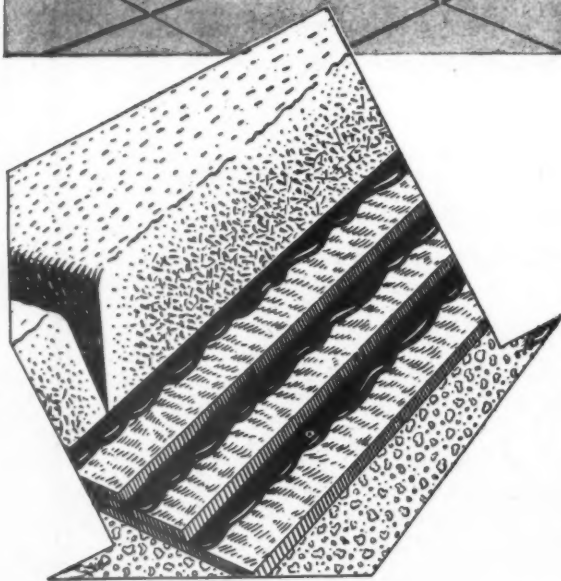
The first post-war British Industries Fair will be held in London and Birmingham from 5th—16th May 1947. The 1947 Fair will provide a great opportunity for expansion of Britain's Export Trade and intensive publicity campaigns will be launched to attract buyers from all parts of the world.

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United Kingdom manufacturers of Building Material and Equipment will, as in pre-war years, be exhibiting in the Engineering and Hardware Section of the Fair, Birmingham.

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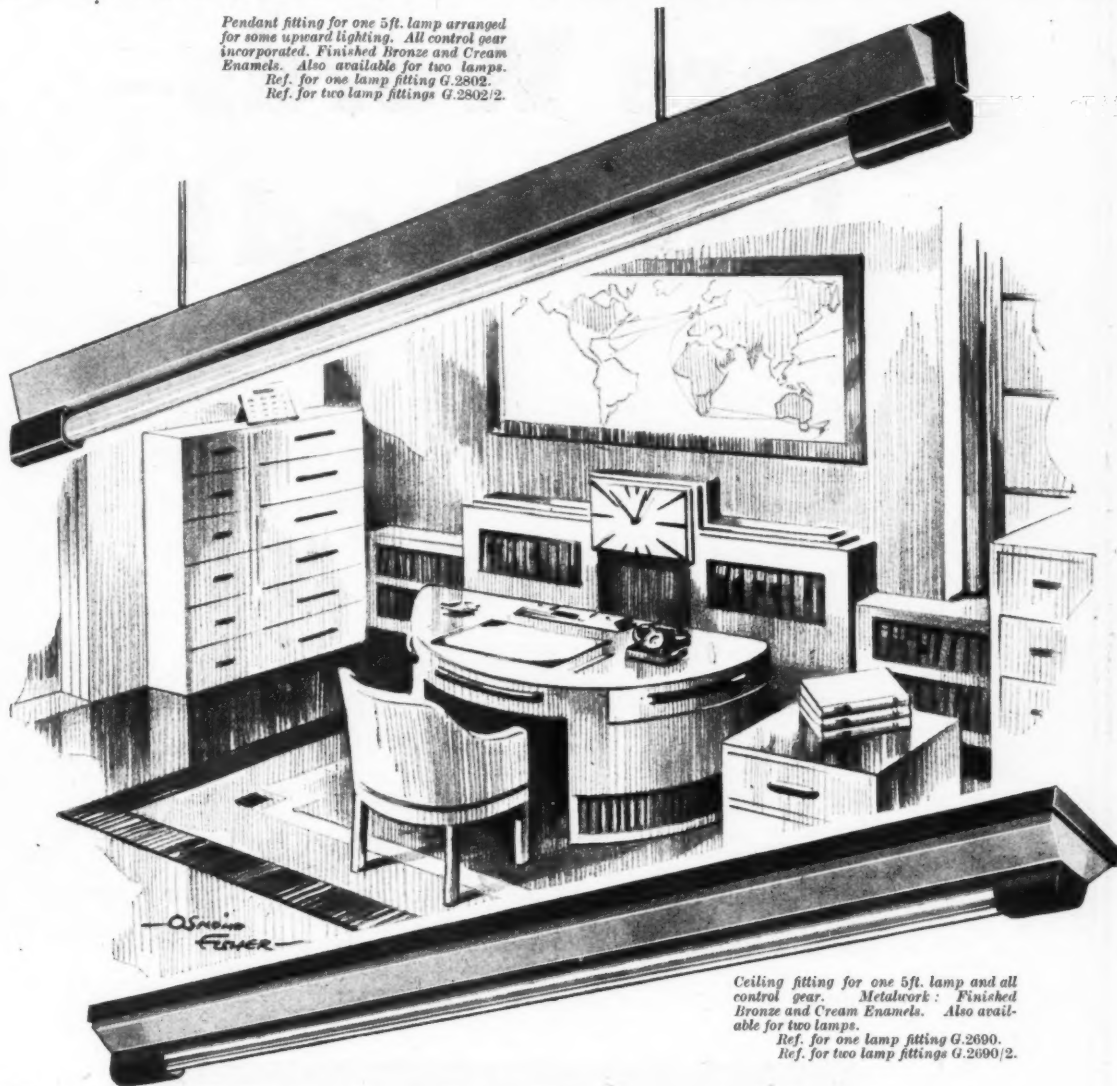
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DIARY FOR SEPTEMBER OCTOBER AND NOVEMBER

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

LIVERPOOL. *Exhibition of Liverpool Drawings*, by Gordon Hemm. At the Hugo Lang Gallery, Whitechapel, Liverpool. SEPT. 12-14

LONDON. *Summer Exhibition of French and English Paintings, Drawings, Prints*. At Redfern Gallery, 20, Cork Street, Burlington Gardens, W.1. SEPT. 12-28

New Homes for Old Exhibition. At 22, Lower Regent Street, S.W.1. (Sponsor, H.C.) SEPT. 12-Nov. 9

Exhibition by three artists: Irene Foord-Kelcey, Darsie Rawlins, R. Russell. At 25, Ebury Street, London, S.W.1. 9.30 a.m. to 6.0 p.m. Saturdays 9.30 a.m. to 1.0 p.m. (Sponsor, Church Artists Agency.) SEPT. 12-31

Recent Paintings by Keith Baynes, Quentin Bell and Sven Berlin. At The Lefevre Gallery, 131-134, New Bond Street, London-W.1. 10 a.m. to 5.30 p.m., Saturdays 10 a.m. to 1 p.m. SEPT. 12-28

London Traffic and the London Plan. Two day conference at the Institution of Civil Engineers, Great George Street, S.W.1. Experts will speak on the general problems of traffic, town planning and architecture and on the special problems of roads, railways, underground railways and travel by air. (Sponsor, British Association for the Advancement of Science.) SEPT. 12-15

Paintings by Terry McGlynn. At Foyles Art Gallery, Trefoil Touse, Charing Cross Road, W.C.2, 9 a.m. to 6 p.m., including Saturday. SEPT. 12-28

1946 ASLIB Conference. At the Fyvie Hall, The Polytechnic, 309, Regent Street, W.1. Friday afternoon, September 13, at 4 p.m., conversazione and tea for members, followed by the Annual General Meeting at 6 p.m. Saturday morning, 10.30 a.m., opening address by Sir Reginald Stradling, President-elect of ASLIB. Paper by A. D. Roberts of the British Library of Political and Economic Science on the preparation and coverage of critical and select bibliographies. Afternoon, two papers on information services in relation to industry, one by Sir Arthur Fleming and Miss B. M. Dent, of Metropolitan Vickers Electrical Co., Ltd., and the other by Professor R. S. Hutton. Evening, paper on machine and tables by Dr. L. J. Comrie of the Scientific Computing Service. Sunday morning, September 15, a symposium on *Some Aspects of documentation in Europe Today*. Technical dictionaries and glossaries will be discussed in the afternoon and proceedings will end with a paper on the setting up of a film library by Mr. Colin Deane, of the Crown

Film Unit, illustrated by one or more films. Inclusive fee will be £1 10s. for members and £2 for non-members. Full details from the ASLIB Office, 52, Bloomsbury Street, W.C.1. SEPT. 13-15

Swiss Planning and Building Exhibition. At the RIBA, 66, Portland Place, W.1. Organized with the co-operation of the foremost architects and associations in Switzerland. Building for work, building for recreation, housing, town and country planning, schools and hospitals are among the subjects to be covered. Other features will be the preservation of old and historic buildings and the countryside, and the re-planning of winter sports resorts, for which an extensive programme has already been started. How Switzerland makes the most of her landscape will be shown in a series of photographs. SEPT. 19-OCT. 26

Britain Can Make It Exhibition. At the Victoria and Albert Museum, S. Kensington, S.W. Admission 1s. 10 a.m.—10 p.m. Sundays, 2.30—6 p.m. (Sponsors, Council of Industrial Design. SEPT. 24-OCT. 31

English Joinery Manufacturers' Association Dinner. At the Savoy Hotel, Strand, W.C.2. Guest of honour, George Tomlinson, M.P., Minister of Works. (Sponsor, (EJMA. 7.15 p.m. for 8 p.m. SEPT. 24

Two-Day Conference on Industrial Design. At Central Hall, Westminster, S.W.1. This is the first of a series of conferences which the Council of Industrial Design propose to hold in association with the *Britain Can Make It* Exhibition. Papers to be delivered at the conferences will discuss the designer's place in industry, the design of machinery, design and research, and design as an ally in exports. Delegates will include designers and industrialists. Conference arrangements are in the hands of the Conference Secretary, Council of Industrial Design, Tilbury House, Petty France, S.W.1. (Sponsors, Council of Industrial Design and the Federation of British Industries.) SEPT. 26-27

British Export Exhibition. At the London Exhibition Centre, New Coventry Street, W.1. Manufacturers desirous of taking space should communicate with L. M. Fisher, Controller and Organizer at the Exhibition Centre. (Sponsor, Leon Goodman Displays, Ltd., managers of the Exhibition Centre.) Nov. 12-23

PARIS. International Technical Congress. Among the delegates from Great Britain will be Sir Patrick Abercrombie, President, International Reunion of Architects, and Sir Percy Thomas. SEPT. 16-21

NEWS

THURSDAY, September 12, 1946
No. 2694 VOL. 104

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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.

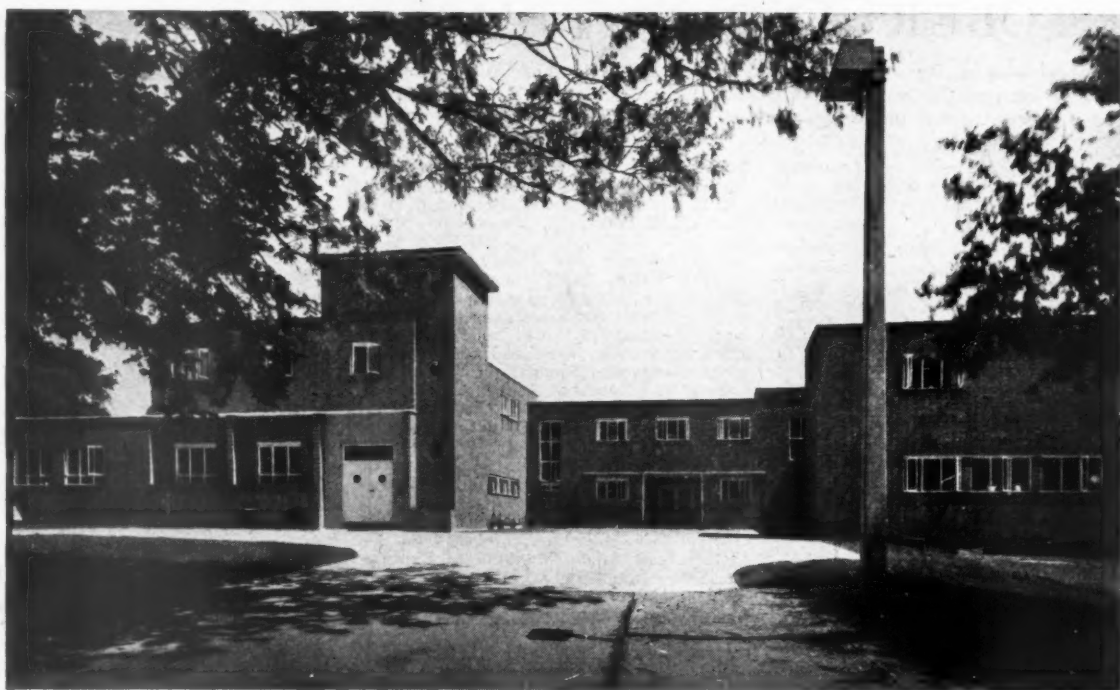
Any feature marked with more than two stars is very big building news indeed.

Linoleum has been used for many of the furnished rooms, from kitchens to schoolrooms, which will be shown in the BRITAIN CAN MAKE IT Exhibition opening in September at the Victoria and Albert Museum.

The linoleum industry has offered through its organisation, the Linoleum and Floorcloth Manufacturers' Association, the whole range of its designs for selection. Members of the panel which has chosen the commodities to be used for these exhibits are:—Sir Kenneth Clark, K.C.B., late keeper of the National Gallery; Miss M. Allen, well-known in the Co-operative movement; Allen Walton, R.D.I., N.R.D., expert on textile design and late Principal to the Glasgow School of Art; John Grey, F.R.I.B.A., N.R.D., Chairman of the Design and Industries Association, L. J. Smith, of the Council of Industrial Design, is its Secretary. The rooms in which linoleum is to be shown, and the designers who are responsible for them, are as follows: Working-class kitchen, Miss E. Moseley; middle-class flat kitchen, F. Gibberd; luxury kitchen, Miss Jane Drew; working-class living kitchen, Mrs. Darcy Braddell; working-class bedroom, Mrs. Holford; nursery, D. Bicknell; middle-class bathroom; H. Tayler; secondary school, D. Clark-Hall; technical office, C. Nicholson.

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From AN ARCHITECT'S Commonplace Book

IN PRAISE OF JOHN BULL'S MANSION. [From The Sketch Book of Geoffrey Crayon, Gent by Washington Irving.] His family mansion is an old castellated manor-house, gray with age, and of a most venerable, though weather-beaten appearance. It has been built upon no regular plan, but is a vast accumulation of parts, erected in various tastes and ages. The centre bears evident traces of Saxon architecture, and is as solid as ponderous stone and old English oak can make it. Like all the relics of that style, it is full of obscure passages, intricate mazes and dusky chambers; and though these have been partially lighted up in modern days, yet there are many places where you must still grope in the dark. Additions have been made to the original edifice from time to time, and great alterations have taken place; towers and battlements have been erected during wars and tumults; wings built in time of peace; and outhouses, lodges, and offices, run up according to the whim or convenience of different generations, until it has become one of the most spacious, rambling tenements imaginable. An entire wing is taken up with the family chapel, a reverend pile, that must have been exceedingly sumptuous and, indeed, in spite of having been altered and simplified at various periods, has still a look of solemn and religious pomp. . . . The family apartments are in a very antiquated taste, somewhat heavy and often inconvenient, but full of the solemn magnificence of former times; fitted up with rich though faded tapestry, unwieldy furniture and loads of massy gorgeous old plate. . . . There is something in the appearance of his old family mansion that is extremely poetical and picturesque; and, as long as it can be rendered comfortably habitable, I should almost tremble to see it meddled with, during the present conflict of tastes and opinions.

★
Mr. Joseph Westwood, M.P., Secretary for Scotland, announced in Edinburgh that by consultations with the Cabinet the site for a **NEW TOWN IN CENTRAL FIFE** has been approved. It will have a population up to 25,000, exclusive of the population of the burghs of Lochgelly and Cowdenbeath, between which it will be situated.

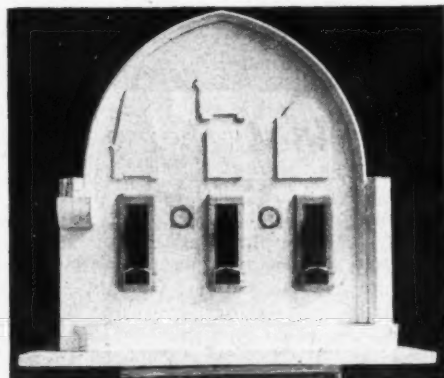
★
Here are the names of the winners of the £100 first prizes in the **SHAPES OF THINGS TO COME COMPETITION** organised by the Central Institute of Art and Design for W. H. Smith and Son's Advertising Agency. Freda Cliff, Birmingham (extending sink trap) and Joan Lakin-Brooks, London (bailing unit) tied for £100 prize equally divided (£50 each); M. J. C. Inchbald, London (oil-stove designs) and Miss W. M. Joyce, Great Bookham, Surrey (carpet sweeper), tied for £100 prize; equally divided (£50 each). D. S. Rabley, London (sewing machine), £100. In addition six second £40 and five third £20 prizes and eleven £10 and twenty-five £5 merit awards were awarded by the judges.

★
The twelfth report of the Royal Commission on Ancient and Historical monuments (Scotland)—the Report and Inventory of **ANCIENT MONUMENTS OF ORKNEY AND SHETLAND**—has just been published in three volumes. Volume 1—Report and Introduction (10s. net); Volume 2—Inventory of Orkney (£1 15s. net); Volume 3—Inventory of Shetland (£1 net). The three volumes are available at an inclusive price of £3 3s. The volumes were ready for publication in

1939, but have been unavoidably held up until now by the war. The northern islands are full of antiquities of the greatest interest to students of many periods of the past, and the Inventories provide information on hundreds of monuments illustrating the lives of our ancestors from the stone age until the Union of the Parliaments. Great chambered cairns of many types and other megalithic monuments, of which the huge stone circle of Brodgar is probably the best known; the neolithic village of Skara Brae and its Bronze Age counterpart of Jailshof; brochs in great numbers; Viking and early Christian monuments; the noble Cathedral of St. Magnus founded by the Norsemen—these and a large mass of less spectacular items go to fill three volumes, which are also illustrated with original plans and photographs. The report is published by H.M. Stationery Office, 13a, Castle Street, Edinburgh, 2, and obtainable through any bookseller. The Royal Commission on Ancient and Historical Monuments (Scotland) was appointed in 1908 to make an inventory of the ancient and historical monuments and constructions connected with

or illustrative of the contemporary culture, civilisation, and the conditions of life of the people in Scotland from the earliest times to 1707, and to specify those which seem most worthy of preservation.

Senor H. L. Videla, President of the Architects Association of Bolivia, has **ARRIVED IN ENGLAND** on a visit arranged by the British Council. Senor Videla, who was recently responsible for redesigning the main square of La Paz, is a member of the City Planning Committee of the Bolivian capital, a lecturer at the School of Architecture there and is particularly interested in the social problems of urban development. He has visited the RIBA, will study reconstruction plans and meet architects and planners in London and many provincial towns.



Models in clay of two of the three figures for the memorial to be placed in Westminster Abbey to commemorate the Commandos, Men of the Submarine Service, and Special Air Service who fell in the war. In the centre is a model of the whole memorial on which Mr. Gilbert Ledward, R.A., is at work. Each bronze figure will be placed on a stone corbel projecting from the architectural setting, which is to be built in a light limestone to harmonize with the fourteenth-century wall of the cloister. Behind the figure will be inset a panel of a darker stone, the design of which will be different in each instance, embodying a feature typical of the service. Mr. Ledward expects the whole work to be ready next year.



RIBA Negotiating Officer

Mr. David Benton, B.A., LL.B., has been appointed RIBA Negotiating Officer to carry out investigations into conditions of employment, status, salaries, etc., in all sections of the profession that are remunerated by salary. The Council has set up a Joint Standing Committee on negotiations in connection with salaries, consisting of representatives from the Practice Committee, the Salaried Members' Committee and the Official Architects' Committee. Mr. Benton will act as secretary to the Joint Standing Committee and work under its direction in promoting the universal adoption of the RIBA Scale of Salaries for architects employed by local authorities, public, commercial and industrial undertakings. He will investigate salary problems referred to the RIBA by members and negotiate with employing bodies as necessary. He will also undertake liaison with the organizations allied to the RIBA and with other professional institutions in

furthering the interests of salaried architects. Mr. Benton, who is 37 years of age, was born at Gibraltar, and educated at Cheltenham College and Jesus College, Cambridge. In 1930 he was called to the Bar, until 1940 practising in Common Law, and in 1935 was admitted to the Gibraltar Bar, being retained by the French and Spanish consulates as their legal adviser. In 1940 he enlisted as a volunteer in the Royal Fusiliers, obtaining his commission in 1941. After being a platoon commander he became in succession Intelligence Officer, Adjutant, Staff Officer in the Inter-Services Topographical Research Department, Staff Officer in Intelligence and Security Duties. He then undertook special duties entailing parachuting. He ended his military career as Staff Captain "A" in Formation Headquarters in BLA and BAOR. Since demobilization he has been a Senior Assistant in the Lands and Legal Branch of the Ministry of Supply and Aircraft Production.

Recruiting has now commenced at Employment Exchanges throughout the country, of additional men for the MOBILE LABOUR FORCE.

This force directly employed by the Ministry of Works, goes anywhere in Great Britain to undertake urgent jobs that would otherwise be left undone for lack of labour. The Mobile Labour Force was created in June, 1946, to carry on and extend the service rendered by the Special Repair Service—the famous organisation of the blitz period. Two thousand five hundred men of that service—now re-organized—have already joined the Mobile Labour Force. Many more men are still wanted. One of the first jobs waiting for the men now being recruited is a special drive in the temporary housing programme, to help to complete homes for as many people as possible in the next few months. A guarantee of at least twelve months' work at the inner London rate, plus lodging allowance, holidays with pay, and free home travel facilities, is given every man accepted age 21 or over, in the following trades: Bricklayers, carpenters, plumbers, plasterers, slaters and tilers, glaziers, painters, builders' labourers, general labourers, scaffolders, storemen, smiths. Among the special benefits of employment in the Mobile Labour Force are a yearly free issue of protective clothing and overalls, and special facilities for buying tools. Every man who joins the Mobile Labour Force must be physically fit, willing to work in any part of Great Britain, and to move from one district to another at short notice. Men may have to work on any class or kind of building or civil engineering project and are expected to adapt themselves to the job in hand. All who wish to join the Mobile Labour Force should apply for further information to the nearest Labour Exchange.

Mr. Thomas Sharp: Durham pit villages, clustered about pitheads, are NOTHING MORE THAN DEAD MEMORIALS.

An appeal to the Government to replan south-west Durham was made by Mr. Thomas Sharp in an address to the Town Planning Institute Summer School at Durham. He said: South-West Durham is a derelict area in which the basic industry has declined enormously in the last 20 years. In 1920 some 28,000 miners were employed in the district. Fifteen years later that number was reduced to 6,500. Pit villages, clustered about pitheads, are nothing more than dead memorials. The Government should set up in the area a development commission, which would be responsible to the Minister, and work on the same lines as the new towns corporations. This district presents a test case to the country.

The Minister of Health is to appoint a Departmental Committee to report on the administrative control of GREATER LONDON WATER SUPPLIES.

Following proposals submitted by the Metropolitan Water Board, Mr. Aneurin Bevan, Minister of Health, has decided to appoint a Departmental Committee which will examine and report on the administrative control of the water supplies of the greater London area and the extent to which alterations or amalgamations of the existing undertakings are desirable in the public interest. The membership of the Committee and the precise terms of reference will be announced later.

DISCLOSE THE FACTS

“WE are working in the dark.” The quotation is from a speech by Mr. E. W. Garratt, President of the London Master Builders' Association, and few connected with the building trade will disagree with it.

The partisan answers are easy. On the one side, it is a cry that builders should be left to cater for the public unfettered, a prospect that is attractive to those who can buy a house, less bright for those who can barely pay a controlled rent. From the other side comes a note of almost mystic hope. “The Government has ideals,” the voice says. “It has a plan. It knows that houses do not spring up overnight. Why pry underneath the tarpaulin? Wait until the day and all will be revealed.” In the meantime, the public moves into abandoned camps and the man who once slept in a hut and dreamt of home now sleeps in a hut and calls it home.

There are arguments against disclosing at too early a date the exact target figures for housing. There are arguments for giving regions greater delegated authority and so rendering it more difficult to give a national overall picture. But there seem to be very few arguments in favour of giving to the public no facts other than those that fit neatly into the pattern of Government statistical publications. A week or so ago a London newspaper reported that prefabricated houses were held up for lack of baths. It went on to say that while the trade could supply all the coloured baths that anyone could desire, no one possessed any white ones, and that only white baths were allowed in prefabricated houses. The paragraph concluded with a supremely typical comment by a Government spokesman that bath manufacturers were only allowed to make coloured baths after all official requirements for baths had been met. If there is a way in which not to give facts, this is it. The official statement leaves unanswered more questions than originally were raised.

What are the Government requirements? Do they specify white baths for prefabricated houses. If so, why? Is it true that occupation of prefabricated houses is held up for lack of baths? Is that universal or confined to one or more regions? If coloured baths are being made, are the Government's requirements fully met? If so, where are the baths? If not, why is there apparently a surplus of coloured ones? Is that statement in fact true? And so on. No doubt some harassed civil servant was called to the telephone, perhaps just before lunch, and asked for a statement on baths by a ruthless reporter and no doubt that is the best he could do in the time available. No doubt he still feels aggrieved at the persistence of an irreverent Press. If so, he still fails to realise that the rush to derelict camps is not a symptom of lawlessness, but the result of despair and that despair grows from lack of hope and that lack of hope is due to the lack of systematic and intelligent disclosure of facts at sensible intervals and in advance of public demand. That may be tiresome, but then no one

should assume that governing this country is a task for the lazy or indifferent.

It would be unfair to blame the present Minister of Health for the fracas over baths. He has been enjoying a brief respite among Swiss plumbing, but on return he might well ponder a little on the sentence, "We are working in the dark."



The Architects' Journal

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N O T E S

&

T O P I C S

LUXURY FOR RIO WORKERS

The sinister shadow of ASTRAGAL, whose true identity none can discover, sits in the centre of his intricately woven and ever widening web of international espionage, listening, listening to the heartbeat of the world. The latest throb comes from an agent in Rio, who reports that a significant piece of municipal reform is taking place there.

This roughly is the story. The city has for some time been bothered because the workers have so far to travel to their jobs. The trains from the north are always packed and workers have to rise at four and five in the morning to be able to clock-in on time. This means that many of the more poorly paid slaves prefer to live in the *favelas* or slums on the hills near their work. These *favelas*, if sometimes picturesque, are highly insanitary—mere shacks with no conveniences of any kind where whole families live in homes made of packing cases and old kerosene tins. Now the city itself is taking the

lead in rehousing its own employees in a properly planned neighbourhood unit.

There is not room enough for houses so flats are to be built. This is a revolution in Rio because up till now only the wealthy have lived in flats. But what is more, these are not to be just ordinary flats, but—take a deep breath—the supreme luxury of duplex apartments with the *Sala* rising two storeys. The neighbourhood, apart from the flat blocks, will have such amenities as a nursery school, a communal laundry, a concert hall and a shopping co-op. The scheme has the approval of the town Prefect, who is an engineer by profession, and it will thus presumably materialize before long. Meanwhile two further schemes of the same kind are being considered.

"All this looks as though the country has a social conscience," writes the Rio agent, "but this is not so. Only a few people have that here." Brazil, it seems, is no El Dorado in spite of Mr. Kidder Smith's photographs, and though there is a lot of money about neither the government nor the masses have very much of it. All the more praise, then, to the Few People and the city officials of Rio for this piece of housing initiative.

LOEWLY GRUB

Mark 18—is it?—in the catalogue of weapons in the Gloagal war for lebensraum on my bookshelf is a modernized re-issue of a former model. *Industrial Art Explained* (Allen & Unwin, 15s. 0d.) was first published in 1934. The new edition has been re-written, much enlarged, and given new illustrations, a bibliography, and an appendix. Though now of heavier calibre, it is aimed at the same target—to explain the character and meaning of industrial design, to trace its history and to analyse its relationship with architecture, materials and finance.

Those of you who are familiar with the quality of Mr. Gloag's armoury need not be told that this task is accomplished with his usual efficiency, enthusiasm and despatch. The book is handsomely produced within a very pretty jacket, and if the story is not exactly new and the illustrations—except for some charming 19th century railway prints—are familiar, the theme they pursue is an important one and can stand repetition.

I would like, however, to challenge Mr. Gloag on one point. The appendix contains a contribution from Mr. Raymond Loewy, full of jargon about "contagious selling" and "consumers' suction," and emphasizing the financial advantages to be obtained from having your product re-styled by Mr. Loewy. [Some of you may remember his famous letter to *The Times* last year in which he expressed an opinion that the loveliest curve was the mounting curve of production on a graph.] This article is illustrated by the famous Pennsylvania locomotive, which is a shapely piece of design but yet somehow manages to exhale the same whiff of vulgarity as that distilled (to my nose, at least) by Mr. Loewy's writing.

I am inclined to think that the source of this aroma is the decorative striping applied in the last stages of the design. I am no purist in these matters, and have no objection to painted stripes which form part of the traditional technique in coachwork design and may well be justified aesthetically. But it is to this motif—a favourite one of Loewy's—that we owe that particularly tiresome feature of transport design—the aircraft flash.

The aeroplane, says Mr. Gloag with truth, starts clean. But Mr. Loewy and his followers don't leave it clean. They cover it with decorative striping which may be Loewy-ly to look at but is certainly *not*, in my opinion, delightful to see, and now every civil airliner bears these modish stripes of shame. This vulgarization, you may say, is no fault of Mr. Loewy's. It is the directors of the airlines who demand it. Yes, but who thought of it first? Directors have usually to be shown something

before they ask for it. Perhaps I am labouring a point which is basically trivial, and anyway merely a matter of taste for which there is much to be said on both sides. Yet the disquiet remains.

So long as they are dealing with small and homely objects—saucepans and telephones, radios and toothbrushes—good industrial designers achieve excellent results. But when they attempt liners, locomotives, motor-cars or aircraft something gets lost in the process. The object is tidied-up, but somehow among the impedimenta which is removed or concealed is the vigour and grace which were originally its virtues. Can Mr. Gloag explain this, or does he not agree? Over to you, Mr. Gloag.

THE BROWNING CHAPEL

On August 27 a letter appeared in *The Times* asking for £15,000 for a chapel to be erected at Marylebone Parish Church in memory of the marriage of Robert Browning and Elizabeth Barrett,* being signed by

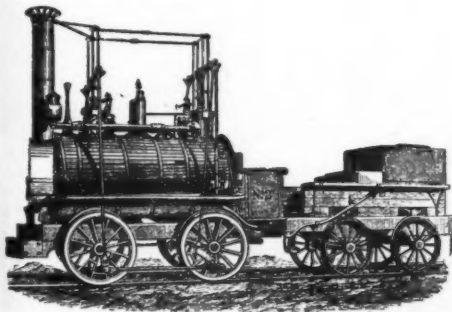
* See following page for proposed design.

Lords Lytton and Wavell, John Masefield and the Rev. Hugh Matthews, Rector of St. Marylebone.

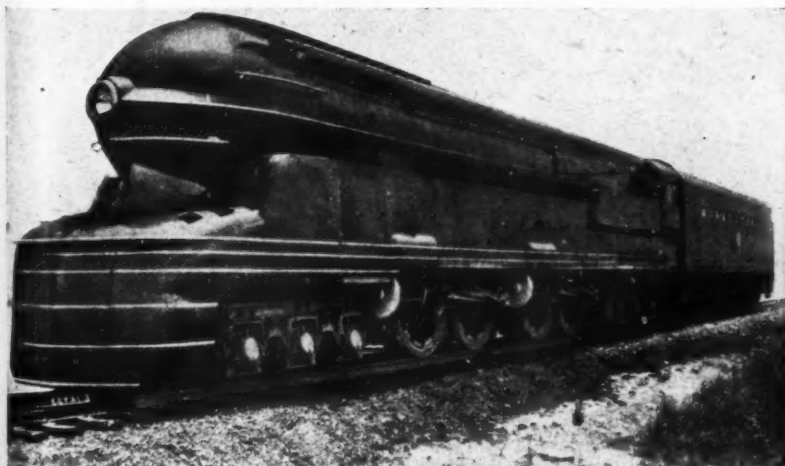
The conceit to commemorate the romantic, runaway wedding of the Brownings seems, on the face of it, to be quite reasonable and not without charm. But a number of protests have followed in *The Times*. Congregationalist John Grant asks whether either the place or the kind of memorial is appropriate, since the B.'s were in fact not Anglicans but Congregationalists. He asks for a memorial attached to Paddington Chapel in the shape of a youth centre. Mr. Robert Barton suggests that to further diminish the greensward round the church would be a pity, and asks that the church itself should be suitably embellished.

But on consideration, with places of worship so rarely full and with several million houses urgently wanted, not to mention, *inter al.*, schools, community centres, factories, one cannot help feeling that all such memorial chapel talk is rather previous.

ASTRAGAL



Two illustrations from *Industrial Art Explained* reviewed by Astragal this week. Left, a locomotive designed in 1816 by George Stephenson, which expresses vertical rather than horizontal movement, showing how much the early engines had borrowed from the steam pumping engine. Below, a locomotive designed for the Pennsylvania Railroad by Raymond Loewy.



LETTERS

L. E. Morris,

(Hon. Secretary, the Ramblers' Association.)

Edward Fuller,

(Editor, "The World's Children.")

E. W. Chandler

Christopher Tunnard,

(Asst. Prof. of City Planning, Yale University School of the Fine Arts, Department of Architecture, New Haven, Connecticut.)

Right of Way

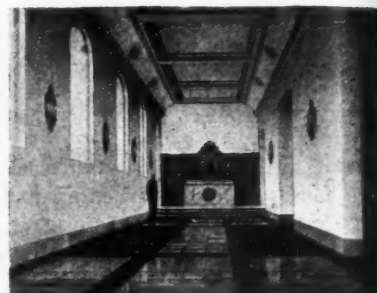
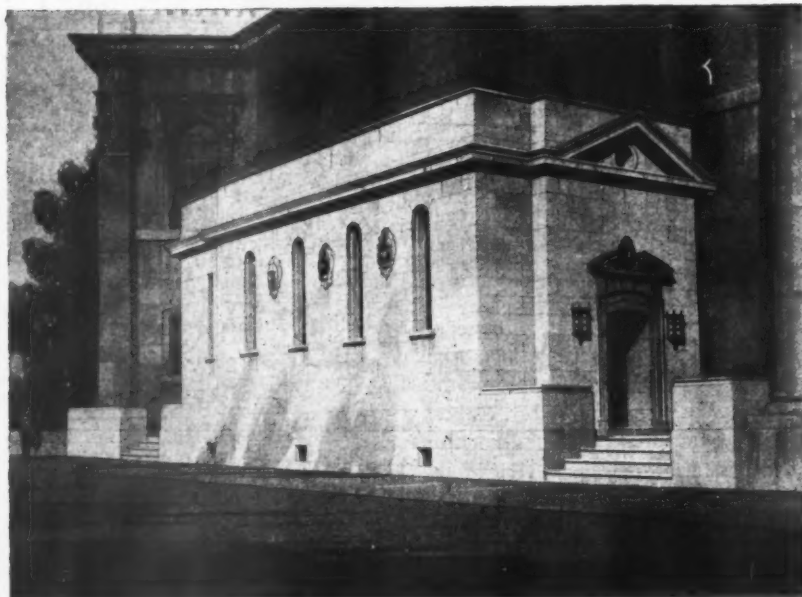
SIR.—Astragal is not quite correct in stating that forty years user is necessary to establish a right of way. In general, only twenty years user is required. The question of a forty-year period only arises in special cases, such as settled land.

L. E. MORRIS
Hon. Secretary,
The Ramblers' Association
London

Architectural Literature

SIR.—From a correspondent engaged in social work in Hungary we have received a request which we venture to pass on to you and your readers. There is apparently in Hungary a great dearth of literature dealing with developments in English architecture. Our correspondent asks us whether we can devise any means of supplying copies of journals and other relevant books. It seems that it is not possible to expect pay-

BROWNING CHAPEL FOR MARYLEBONE



The design shown here was prepared by Michael Tapper, F.S.A., F.R.I.B.A., for the chapel which it is proposed to erect in St. Marylebone Church, London, as a memorial to the betrothal of Robert Browning and Elizabeth Barrett, who were married at the church on September 12, 1846, exactly a century ago to-day. Left, the exterior. Above, the interior. See Astragal's note on the preceding page.

ment, but it occurs to me that some of your readers may be moved to answer this appeal by passing on any information which they do not habitually file. If they could do this service it would be greatly appreciated by their colleagues in a country which has always—notwithstanding the sundering influences of war and inept political allegiances—maintained a great admiration for British methods and the gesture would be of service in restoring friendly contact with a land in which diplomatic relations have lately been resumed.

I shall be glad to transmit any copies sent to me for the purpose. They should be addressed to me at 20, Gordon Square, London, W.C.1.

EDWARD FULLER,
Editor,
The World's Children

London

planners recommend a treatment of this road similar to that of the transverse roads in Central Park, where they are carried below the park surface and do not interfere with the activities of pedestrians on the upper level . . . an Olmsted invention.

If we are to preserve the finest 19th century monuments, Birkenhead Park should certainly be among their number. It was the first of the "new" parks, products of the reaction against the growing industrial towns, so well exposed by J. L. and Barbara Hammond. A question also arises concerning the villas of the period which are shown on Paxton's plan, should any of these still be remaining. Would it not be as well to appoint some qualified landscape architect like G. A. Jellicoe or H. F. Clark to make a study of this historic open area

and recommend measures for its proper treatment?

I enclose a photostat, which shows that there originally was a road in the position now proposed, but it seems to me, modern motor traffic being what it is, that it would be an improvement to depress it if possible, in order to avoid cutting the park in two.

Olmsted's enthusiastic description of 1852 leaves no doubt in my mind that Birkenhead was one of the chief sources of inspiration for his work on Central Park in the 60's.

CHRISTOPHER TUNNARD
Asst. Prof. of City Planning,
Yale University School of the Fine Arts,
Department of Architecture,
New Haven, Connecticut

Status of an Architect

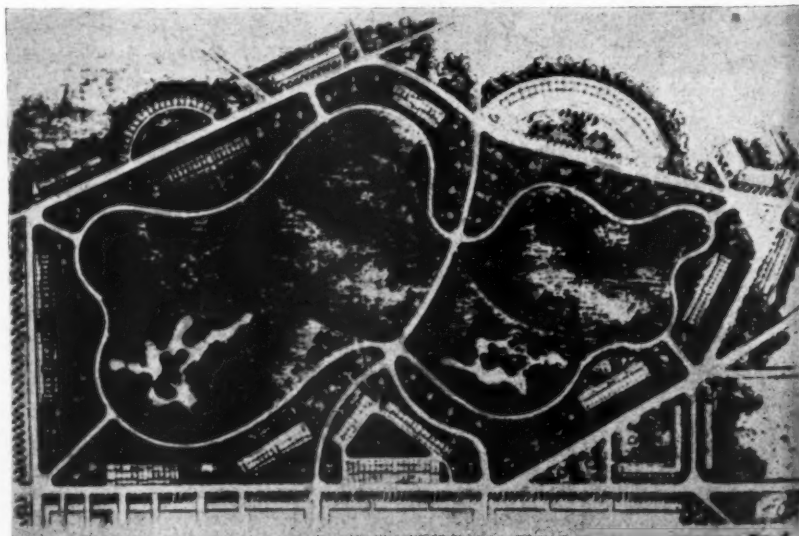
SIR,—I'm afraid the public is still completely ignorant of the status of an architect. In the British film *Bedelia*, the office door of one of the characters carries the inscription: "Carrington & Co., Builders, Architects and Surveyors." During the film he divides his time between preparing sketch plans "with the real Carrington touch," ordering loads of timber, and being poisoned by his wife. We are not told whether he is acting on behalf of ARCUK.

Ashford

E. W. CHANDLER

The New Plan for Birkenhead

SIR,—I was much interested in your description of the new plan for Birkenhead by Sir Charles Reilly and N. J. Aslan. In the Road Plan I notice a proposal for bisecting Paxton's Park which was laid out by him in 1845, and is described at length in Frederick Law Olmsted's *Walks and Talks of an American Farmer in England*. How appropriate it would be should the



Joseph Paxton's plan for Birkenhead Park, begun in 1844. See letter from Christopher Tunnard, Assistant Professor of City Planning, Yale University

PHYSICAL PLANNING SUPPLEMENT



STEVENAGE A PLAN FOR A NEW TOWN

In his Greater London Plan, 1944, Sir Patrick Abercrombie reported that the reconstruction of London, as envisaged by that Plan and by the County of London Plan which he had prepared in conjunction with Mr. J. H. Forshaw, would involve the outward movement of some 1,000,000 persons from the inner districts of London. He recommended that some 400,000 of the population thus displaced should be accommodated in self-contained towns, whether built in previously open country or created by the expansion of an existing small town. Such towns should provide within their borders employment, and full social amenities as well as housing for their inhabitants. Ten sites were indicated as suitable for new towns, from which it was suggested that the required eight sites might be selected. One of these sites was Stevenage. The Ministry of Town and Country Planning has prepared a Master Plan for Stevenage as an example of the type of plan which would be suitable for these new towns. In doing this work, the Ministry will have made available the results of much useful research on this subject. Above, an aerial view of Stevenage as existing. (Photo: Herofilms Ltd.)

Stevenage has never been more than a manorial market town. It lies 29 miles from London on the Great North Road, which forms its main street. By the time of the Conquest a settlement had become established by the roadside, where at the fork to Hitchin, at the north end of the town, was a

natural site for the market granted in 1281 to the Abbot of St. Peter's, Westminster, the Lord of the Manor; but it has long been discontinued. By the beginning of the 15th century the settlement was being frequented by travellers on the Great North Road, and, despite the fact that the greater part of the town was burnt on July 10, 1807, some good 17th century buildings still survive, including some of the old inns. No measurement of Stevenage parish existed until a perambulation was made in August, 1728, by the Rev. Thomas Stamper, the Rector, who reckoned it about 14½ miles in circumference. The population in 1800 was only 1,254, but in 1940 was estimated at 6,421. Under the Act of 1894 the parish became an Urban District.

new town

Stevenage was one of ten sites for new towns suggested in the Greater London Plan from which eight were to be actually developed. The choice of Stevenage as a pioneer study was made after a preliminary survey of the factors weighing in favour of early development, including its location in relation to London, and to the manufacturing area of the Midlands, and the North; the existence of a thriving industrial nucleus; and the presence of an established shopping centre and other



social amenities. On the west the new town will be limited by the lines of the new Great North Road; on the north by the east-west road referred to above and by the natural watershed of the Region; on the south by the Hertford branch of the LNER. On the east the boundary is more variable, though here it will be governed by natural valleys for drainage purposes, by farm ownerships, and by the villages of Aston and Aston End. In the Outline Plan prepared by the Ministry of Town and Country Planning is a suggested type plan for a new town. Every precaution has been taken to cause the least disturbance to the old town of Stevenage, which it is hoped will maintain its present character within the framework of the Plan, and provide by its character and charm an admirable link with the past.

roads

There will be good access from London or to the north of England via a new length of arterial road, which will pass by the new town, running parallel to the existing Great North Road from the end of the Welwyn By-Pass northwards towards Baldock. Access to the Midlands will be via a partly-new road connecting with the new London-Birmingham Road, and to the east via Bishops Stortford and Colchester. Main collecting roads will take the people from homes to work, or to the central shops, or open country, without passing directly through built-up residential areas. Some of these roads will be parkways. Many will be bus routes.

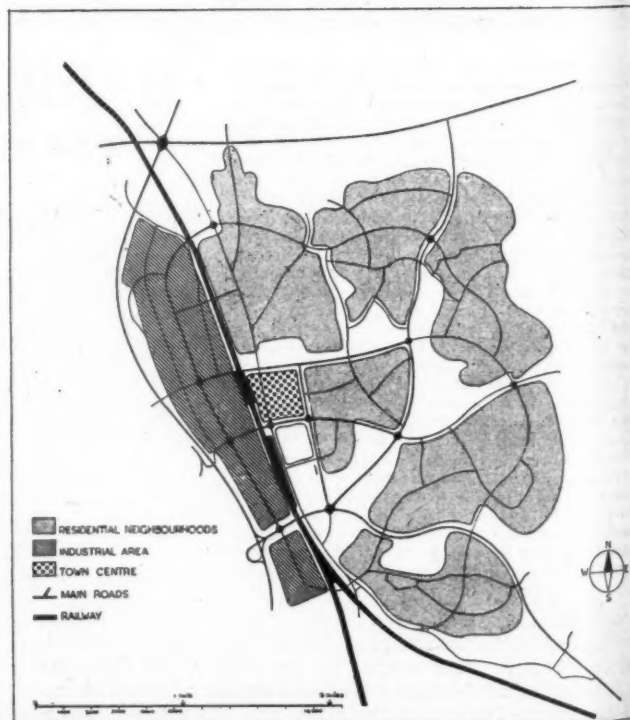
industry

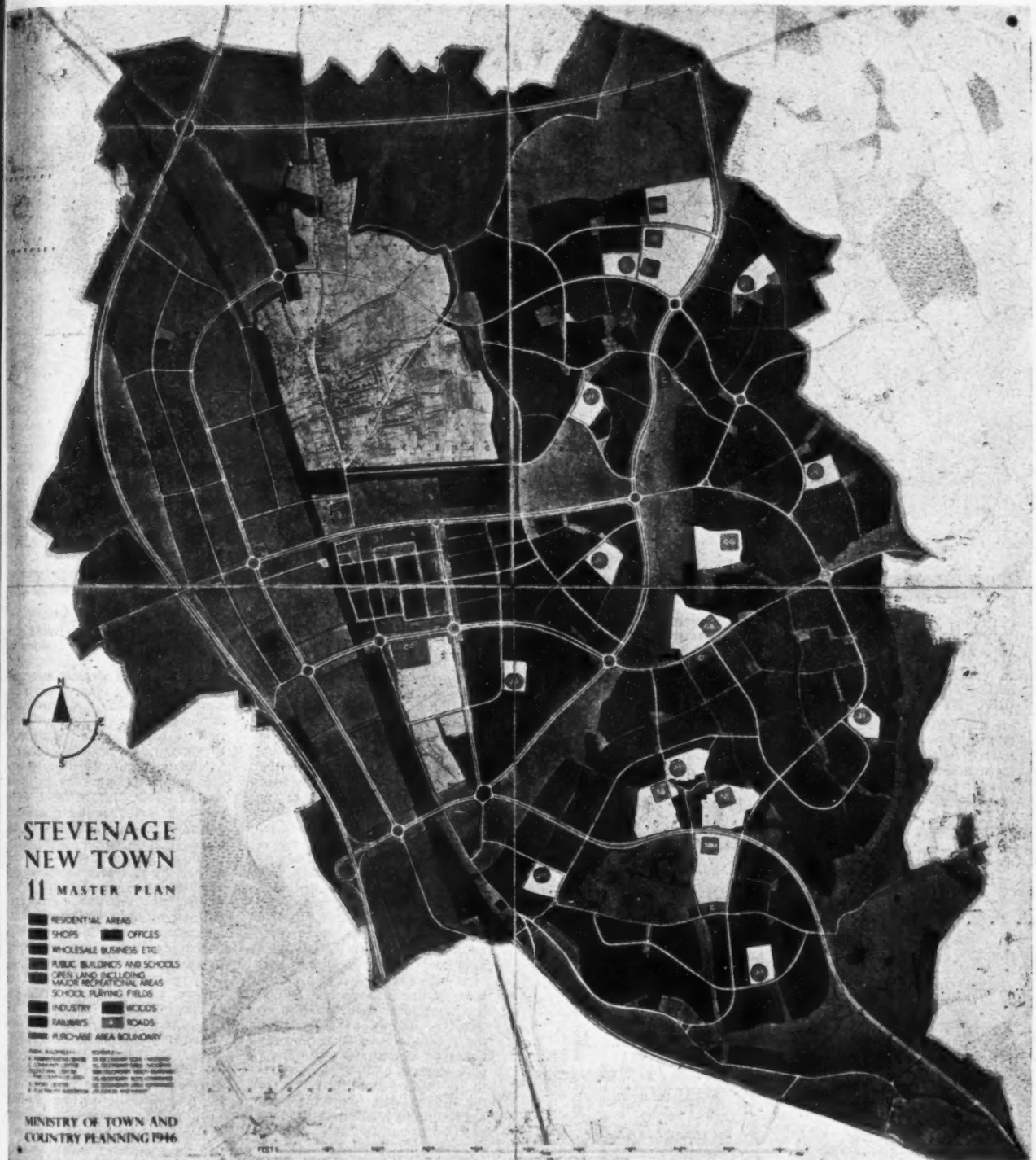
The site proposed is admirably suited for industry, being well served by the new arterial road and the railway line on either side of it. A properly laid out Industrial Estate with all the necessary services is here projected, designed to include industries affording various types of employment. The industrial area, though quite separate from the residential area, will be conveniently linked to it by bridges over the railway.

housing

Southward-facing slopes provide admirable sites for homes for different income groups. All types of dwellings will be provided, but the majority will be one-family houses. The town will consist of six residential neighbourhoods, each with a population between 8 and 12,000 persons. The existing old town of Stevenage will form one of these neighbourhoods.

Above left, a map showing Stevenage as existing and its relation to the site contours. Above, the Ministry's suggested Plan for the town in relation to the Greater London Plan proposals. Below, the simplified Master Plan which relates to the more detailed drawing on the following page.





MASTER PLAN

The Master Plan for Stevenage prepared by the Ministry of Town and Country Planning as an example of the kind of scheme which would be suitable for the proposals which the New Towns Act makes provision for. The various elements in the Plan can be identified on the simplified map on page 188.

One of the principal proposals of the Plan is to incorporate the existing houses within its framework. No material demolition of existing properties is contemplated for some years. In the determination of the land to be acquired care has been taken to avoid the severance of farm units. The development programme will be so designed that farm units will be taken in an orderly sequence, notice well in advance being given before the land is actually needed. Many farms will not be disturbed for a number of years.

The comprehensive plan for the new town will enable an ideal school system to be provided in accordance with the new standards proposed under the Education Act, 1944. All schools will be within easy reach of every house, there being Nursery, Infant and Junior Schools, modern Technical and Grammar Schools, and a Central County College.

town centre

As the centre of gravity of the new town, to the south of



A plan showing the stages in which Stevenage could develop in accordance with the Ministry's Master Plans.

the existing old Stevenage, the new commercial and administrative centre will be placed with its Town Hall, large stores and shops, central library, theatres, cinemas, community buildings, fire station, etc. A new railway station and central bus station adjoining the commercial area will serve the whole town. Each neighbourhood will have its own local shops, churches, halls, cinema and pubs, within convenient walking distance of every house.

recreation

Playing fields of many types for young and old, parks, scenic viewpoints, and woodland reserves will be provided or preserved on generous standards. These will be inter-linked where possible into a Park System of open spaces running through the town, separating neighbourhoods, and so arranged as to be within easy access of every house. Existing groups of trees and woodlands (e.g., Whomerley Wood, Ash-tree Wood and Great College Wood) will be preserved and form part of this Park System.

The development of the new town would proceed by stages. Present estimates are that development would commence in 1947, the peak of development activity being reached in 1951. The aim would be to make full provision for a population of 45,000 in about ten years. Natural increase would there after bring the population to a total of 60,000.

OPEN TERRACE HOUSING

A DESCRIPTION OF A NEIGHBOURHOOD GROUP UNIT BY C. H. M. BOMPAS

In connection with current ideas of neighbourhood units the *open terrace neighbourhood group* deserves some attention. In simplest terms, all this neighbourhood group consists of is a plot of land

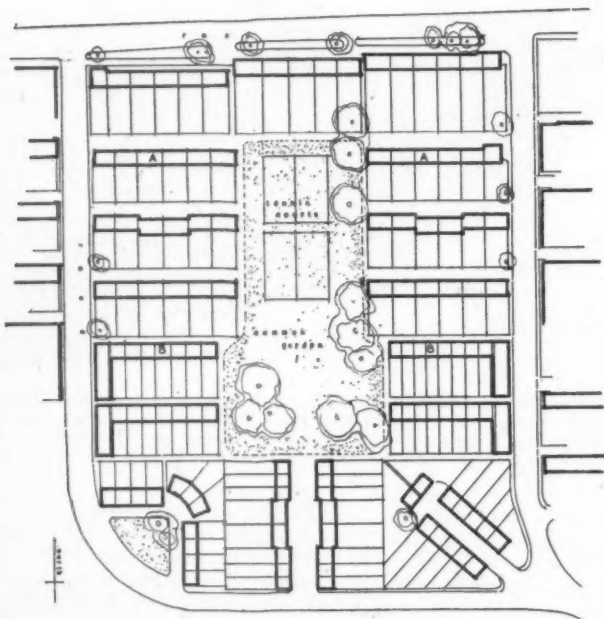
surrounded by motor roads, off which, more or less at right-angles, according to the dictates of orientation, slope, etc., are terraces of 5 to 7 houses. In the centre of the group is an open *common garden* to which the terraces have direct access. The *group* shown in the accompanying diagrammatic sketch was taken from a large scheme comprising a number of these open terrace groups, of many

shapes but of fairly constant area, planned round a neighbourhood core of shops, schools, etc. The group in the sketch has an overall area of some 12½ acres, on which are sited some 108 three and four bed-room houses. Nearly three acres of *common garden* is left in the middle, despite a housing density of nine to the acre, which the above implies. Such a *common garden* is sufficiently large to allow considerable scope for activities of a communal nature. There is room for lawns, tennis courts, trees and flower-beds to be laid out in an ample way that is impossible in the ordinary housing estate—and with the added advantage that, unlike the municipal parks, these *commons* will be at everybody's doorstep. In the layout of services there are obvious advantages in this arrangement, which has considerable possibilities in terms of district heating; while the possibilities of incorporating creches, communal laundries, club rooms and small general utility stores-cum-post-office of the village type are many and interesting in relation to the idea of a neighbourhood unit. In the scheme from which the example is taken no provision was made for any such communal buildings as it was felt the need for these could only be discovered empirically.

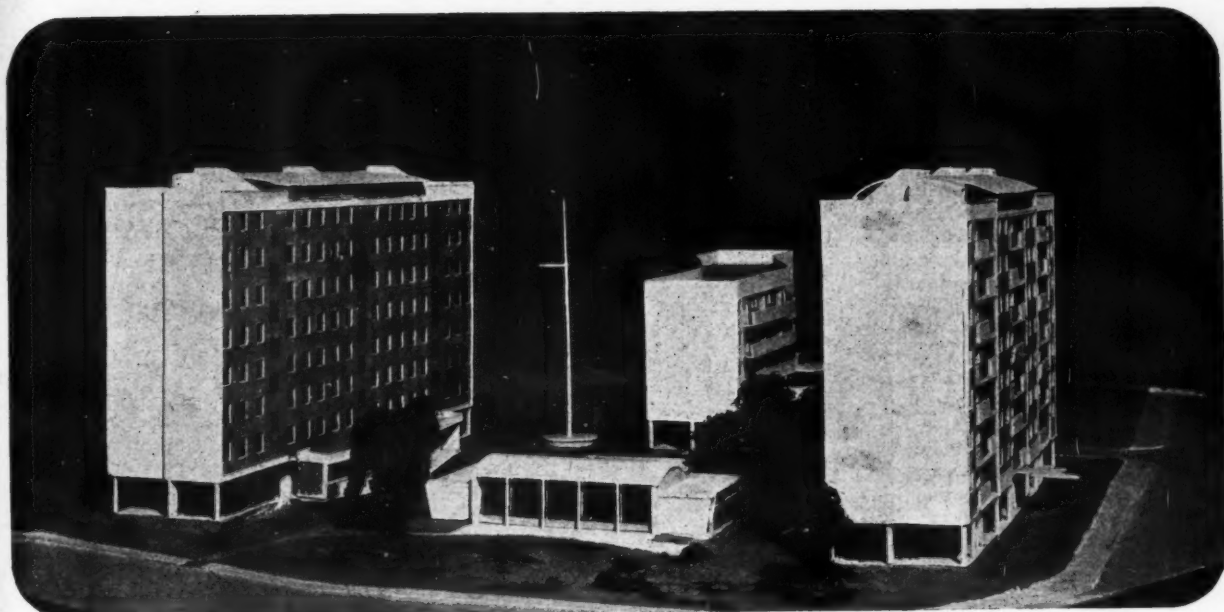
As for the terrace houses themselves, the following points are worth noting:—(a) The *zeilenbau* type of terrace housing used in this scheme ensures that all your houses can be planned with a southerly aspect. A very different picture from that of the back-to-back housing of the conventional estate. (b) Because your site-plan ensures good orientation it is relatively easy to plan your

house, with considerable flexibility, so that the main living and bed-rooms get the maximum sunlight. In the large scheme to which I have already referred, seven distinct plan variations were developed for ordinary family-dwellings. Good orientation, of course, goes a long way to easing house-heating problems as well as making the place generally more pleasing. (c) In these terraces you can, without difficulty, get a far greater degree of privacy than is possible in back-to-back housing. The main windows always give on to the garden front. The windows on the entrance-front light such places as kitchens, landings, bathrooms and minor bedrooms, and could well be fitted with obscured glazing to minimize overlooking. In other words, your garden windows, looking beyond your own plot, look on to the *blind* entrance-front of the next terrace, instead of over the usual confusion of shabby plots, clothes lines and the interiors of other people's houses. Further privacy can be obtained by screen walls to the garden terrace as suggested in the sketch, and by planting the end of the garden with shrubs. (d) Garages could be incorporated in the dwellings, or grouped along the road. In these days of grandiose mechanical excavators and other equipment, possibilities such as putting the garages underground should not be overlooked.

In general, this system of open terrace planning is susceptible to all sorts of variations to suit environmental and other conditions. And, of course, it is as suitable for the erection of *prefabs* as any more usual layout.



A: terrace houses of various plans with garages.
B: " " " " " with garages grouped on road.



View of model from the south.

HOUSING ESTATE

AT ROSEBERY AVENUE, FINSBURY

FOR THE FINSBURY BOROUGH COUNCIL

D E S I G N E D B Y T E C T O N

GENERAL — The scheme, on which work has already begun, consists of 129 flats, or 410 rooms. There will be 56 flats of 4 rooms, 48 of 3 rooms, 17 of 2 rooms, and 8 of 1 room, making three separate blocks. The site will also contain a day-nursery for 40 children, with its own garden and paddling pool. The total cost of the scheme is estimated at just over £200,000, and the flats will have most of the amenities of pre-war luxury dwellings, but will be let at moderate rentals.

In the past, Clerkenwell possessed a remarkable number of wells and spas, and in addition to Sadler's Wells, there were, close by, the

New Tunbridge Wells, which was a famous resort as early as 1684. It is upon the site of these wells that this first post-war housing scheme of the Finsbury Borough Council will be erected. It will be the forerunner of a long-term plan which will ultimately modernize the greater part of the residential area of Finsbury. The Busaco Street scheme, also designed by Tecton, will provide a further 358 flats in seven reinforced concrete blocks at an estimated cost of £550,000, and this scheme is still awaiting the approval of the Ministry of Health. The structural consultant for the Rosebery Avenue scheme is Mr. Ove N. Arup.

PLANNING—The layout of the buildings has been arranged to make the best of the open site to provide maximum light, sun and air to all parts. Closed courtyards have been entirely avoided. All the flats are designed to have the living rooms, kitchens and balconies along one elevation, with all the bedrooms facing the opposite way, but as the question whether it is preferable for living rooms or bedrooms to face east or west has not been decided with any unanimity, and as individual preferences as to aspect may vary, the flats are designed to provide, as far as possible, for different alternatives. Planning is highly

disciplined.

Perambulator shelters, and bicycle sheds, and so on, are provided for all tenants in the entrance halls, so that they can be reached under cover. From the entrance hall, individual staircases and lifts give access to two flats on each landing. The living room in each flat opens on to a long balcony, with the kitchen overlooking it. Thus, it is possible for the housewife to supervise the children on the balcony either from the living-room or from the kitchen.

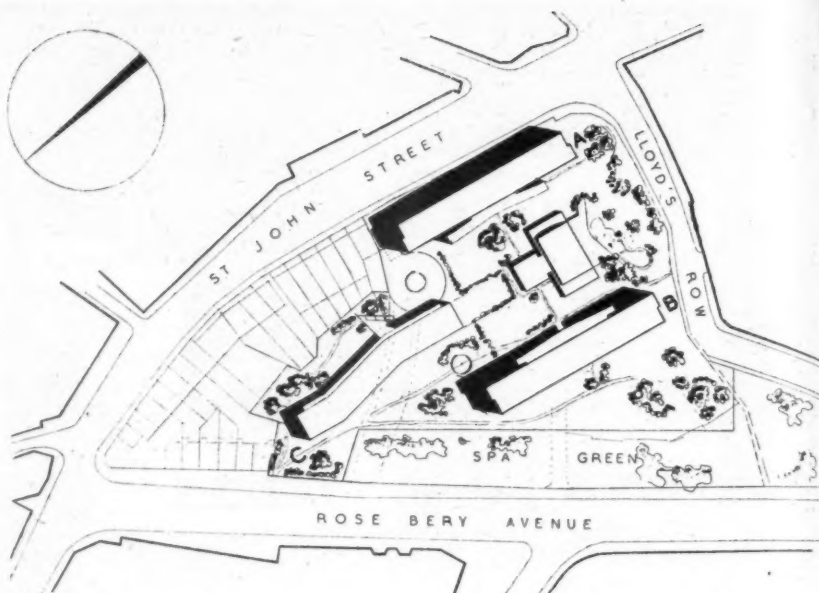
All rooms are so designed that the windows are placed centrally, allowing a space on each side for curtains and pelmets, and door and window positions have been carefully considered in relation to the placing of furniture.

Blocks A and B are eight storeys high each, including the ground floor, while the lower block C in between is 5 storeys high including ground floor.

CONSTRUCTION—This is of reinforced concrete carried out with a new system of hydraulically-jacked shuttering which has never previously been used in this country. The construction is on box-frame lines of continuous slabs and walls. Thus the inconvenient and unsightly projection of columns and beams has been avoided, shuttering is simplified, steel is saved, and a very rigid structure ensured. Moreover, every square inch of floor space has thus been made

available and the absolute rule which was decided upon from the beginning has been adhered to that not a single beam, column or pipe should project from walls or ceilings anywhere in the buildings. Brick panels with cellular open-

ings will be used for lighting the staircases. Each block is strongly surrounded by a light-coloured frame with tiled finish, within which an interplay of balcony balustrades, some solid, some of openwork, creates a dynamic

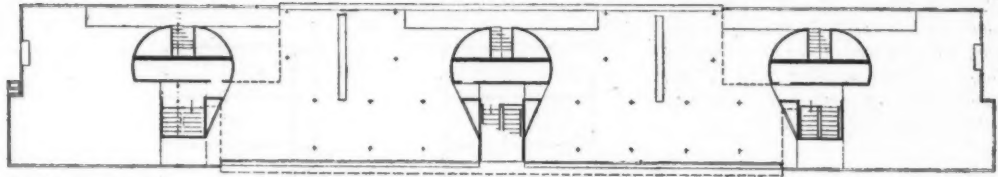


Above, layout of the scheme showing the three blocks A, B and C and the nursery school. Below, view of the model from the north-east.

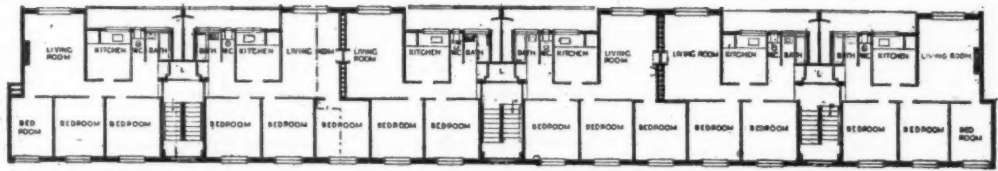


ROSEBERY AVENUE HOUSING ESTATE

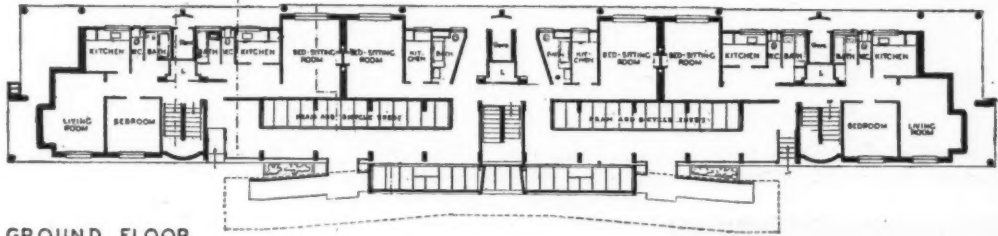
BLOCK A



ROOF PLAN

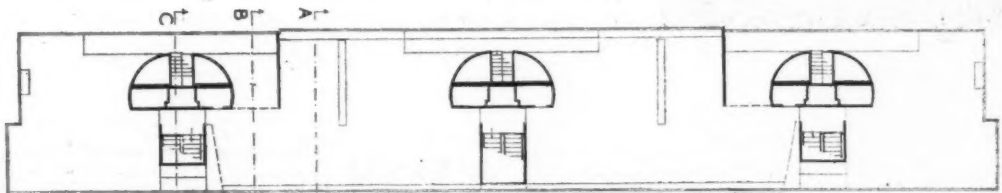


TYPICAL FLOORS

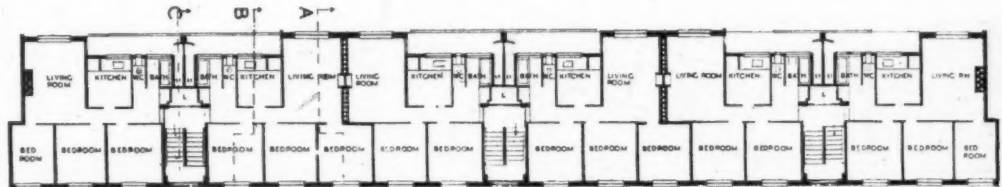


GROUND FLOOR

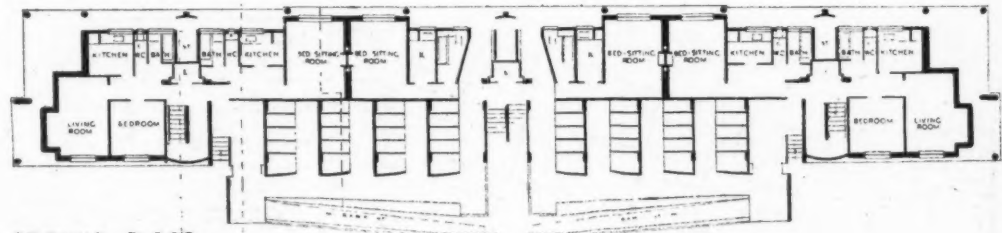
BLOCK B



ROOF PLAN



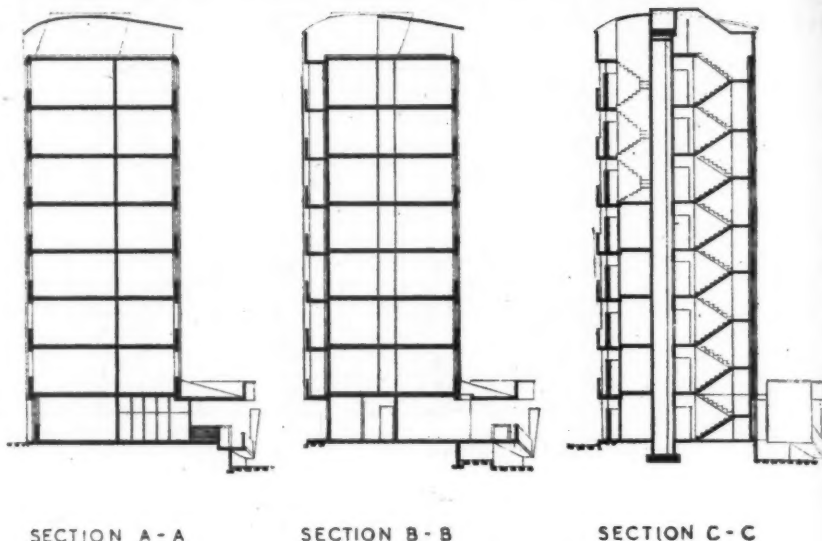
TYPICAL FLOORS



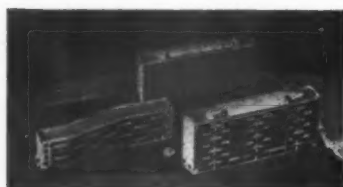
GROUND FLOOR

DESIGNED BY TECTON

Right, sections through Block B, showing the aerofoil section on the roof where washing can be naturally dried. Below, another view of the model from the north-west. Bottom, plans of Block C.



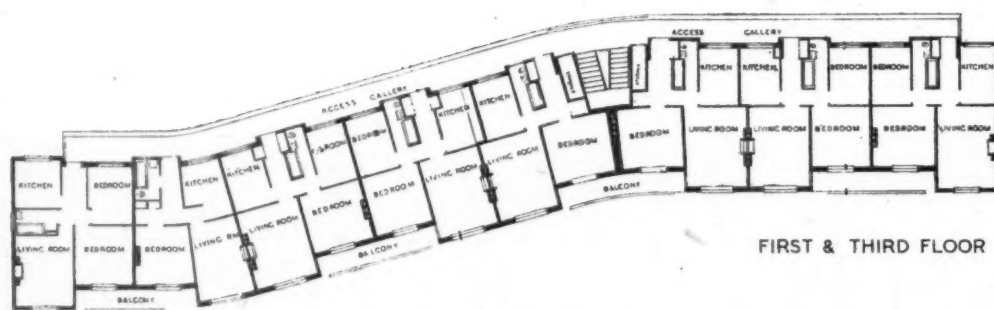
interest in the design with its contrast of recessed balconies and



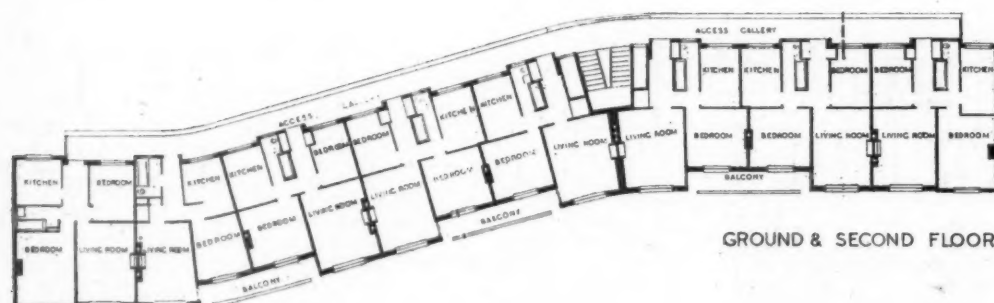
flat brickwork. The system of concrete construction used will be relatively cheap, thus allowing the provision of many more amenities in the flats than would otherwise have been possible at the price. To minimize sound transmission through the buildings, the lift shafts and staircase wells will be isolated from the main structure and each flat will be insulated in

floors and walls from its neighbours.

EQUIPMENT—Central heating will be installed providing hot water in each kitchen through a calorifier and supplying sufficient radiators in the living-room and hall of each flat to give a background warmth. Open fireplaces are omitted with the advantages



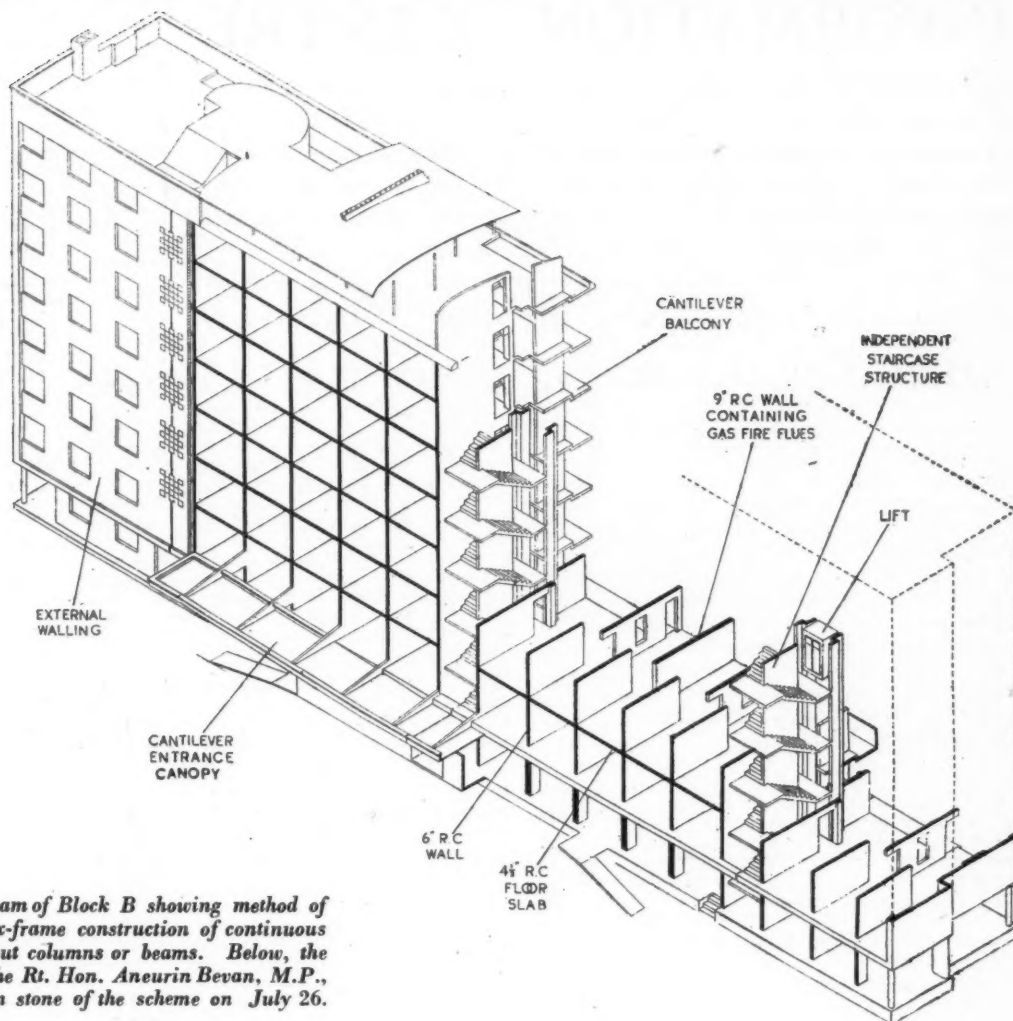
FIRST & THIRD FLOOR



GROUND & SECOND FLOOR

BLOCK C

ROSEBERY AVENUE HOUSING ESTATE



Right, isometric diagram of Block B showing method of reinforced concrete box-frame construction of continuous walls and floors without columns or beams. Below, the Minister of Health, the Rt. Hon. Aneurin Bevan, M.P., laying the foundation stone of the scheme on July 26.

that housework is reduced, bulky flues are eliminated, smoke nuisance is reduced and space otherwise



needed for coal storage is saved. Built-in gas and electric fires help to top-up the temperature as necessary.

Washing is done in the individual kitchens, where a movable, gas-heated copper is provided. Drying is partly done in the hot cupboard provided in each kitchen over the hot-water tank, and the larger articles can be naturally dried on the roof where there are special shelters for this purpose. These shelters are aero-dynamically designed to create a quick current of air by using the difference of air-pressure on the opposite sides of the building, which provides a quick flow of air through the drying compartments. Kitchens are fully equipped with larders (having spaces for refrigerators which will

be installed at a later date), a range of built-in cupboards, including ironing-board and a service hatch to the living-dining-room adjacent.

The Garchey system by which waste is disposed of down each sink by flushing is installed throughout and is here used in London for the first time, the only other example of its use in this country being at Quarry Hill, Leeds, where it has proved successful.

Services throughout are run in ducts with access panels, all pipes both inside and outside, being thus concealed. The high blocks A and B will have passenger lifts with automatic control. A centralised plug-in radio system will be installed throughout.

D E S I G N E D B Y T E C T O N

INFORMATION CENTRE

The function of this feature is to supply an index and a digest of all current developments in planning and building technique throughout the world as recorded in technical publications, and statements of every kind whether official, private or commercial. Items are written by specialists of the highest authority who are not on the permanent staff of the Journal and views expressed are disinterested and objective. The Editors welcome information on all developments from any source, including manufacturers and contractors.

PHYSICAL PLANNING

2711

Housing

ADMINISTRATIVE ASPECTS OF THE HOUSING PROBLEM IN KAMPALA, UGANDA. Dr. R. E. Barrett. (*Journal of the Royal Sanitary Institute*, July, 1946, Vol. LXVI, p. 223.) Problems of rapid growth of a colonial township. Chronic housing shortage, economic problems of overcoming it. Overcrowding and special problems of sanitation. The boundary problem, and growth of slum areas outside area under legislative control. Special local conditions and difficulties.

LIGHTING

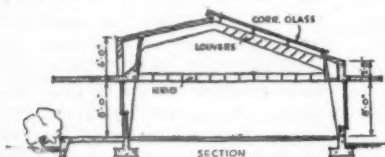
2712

School Lighting

A RADICAL DEPARTURE IN DAYLIGHTING. A design by M. Lyndon. (*Arch. Record*, March, 1946, p. 120.) The basis of the design is shown in the cross-section below.

The arrangement consists of a hooded window for vision, a louvred clear-story light, a louvred roof light (both of these to screen and reflect sunlight rather than daylight), and a louvred ceiling of the eggcrate type, to screen direct views of the sky and to reduce the apparent ceiling height. In the eggcrate the longitudinal louvres are opaque, and the others translucent.

The design is ingenious and appears to offer a more sensible solution for hot climates (for which it was designed) than many which have been published recently.



Section through a school room of the proposed Sangus Union School, California. See No. 2712.

2713

Lighting Efficiency

STOP WASTING THE LIGHT YOU PAY FOR. F. I. Wilson. (*Lighting and Lamps*, February, 1946, p. 40.) Case-record of improvements by cleaning walls and fittings, re-lamping, etc.

This is a rather remarkable case-record. The efficiency of lighting in an office had been the cause of complaint and an engi-

neer undertook to investigate. The original average intensity was 11.8 foot-candles. The walls and ceiling were cleaned, and the average rose to 16 f.c. The fixtures were then washed (previously they had only been dusted) and a further rise to 20.1 f.c. was recorded. The existing lamps were too old, and the system was re-lamped with the result that the average became 35.5 f.c. Finally the voltage, which was not quite appropriate, was amended, and the figure became 46.2 f.c. The improvement was over 400 per cent.; however, it should be borne in mind that there would be a legitimate drop of 5.10 f.c. during the normal life of the lamps.

2714

Office and Store Lighting

THE LIGHT YOU NEED, AND HOW TO GET IT. A. A. Brainerd. (*Lighting and Lamps*, March, 1946, p. 60.) Lighting in offices and stores; selection of light source type.

The author has a happy knack of generalizing usefully about trends in lighting, and makes several good points.

(1) In offices 25 foot-candle intensities are so widely accepted as a minimum that it must be assumed that tenants will demand it soon if they do not already have it. Often the wiring is inadequate for this, and therefore much depends on the decoration unless re-wiring is done.

(2) If 25 foot-candle intensities are to be maintained in offices, even under favourable conditions, the circuit must have a capacity for at least 2½ watts/sq. ft. for fluorescent lighting, and 5 watts/sq. ft. for incandescent.

(3) There are signs (this is in America) that it will soon be difficult to rent offices not lighted by fluorescent sources. The logical trend is to cold cathode types.

(4) It is difficult to use incandescent sources for systems giving more than 30 foot-candles; brightness ratios become too high.

2715

Show Window Lighting

LIGHT FOR SELLING. R. J. Chopin. (*Lighting and Lamps*, April, 1946, p. 28.) Show windows; distribution of intensities inside shops.

This note is by the maintenance superintendent of one of the biggest marketing groups in the USA, and is obviously useful to large-scale shop designers. The most interesting point, perhaps, is the reference to his 1:3:5:10 ratio, the foundation of lighting policy. This refers to the relative intensities to be provided for different purposes, circulation areas being unity. The other three purposes are these: counter-tops, show-cases, and promotional displays, in that order. Thus, whatever intensity is used for circulation areas is multiplied by three for the counters, by five for show-cases, and ten for special display. It seems a very sensible rule.

The article also refers to mechanical control of show window lighting for replacements and dimming, to attraction, appraisal, and atmosphere as the three A's of shop lighting, and to good conditions for staff.

2716

Lighting Design

YARDSTICKS OF LIGHTING PERFORMANCE. A. A. Brainerd. (*Lighting and Lamps*, December, 1945, p. 38.) Five main questions about lighting design.

The author points out that while there are well-established values for intensities of artificial lighting, other important matters in design are not so well codified and receive less attention. He recommends the checking of an artificial lighting scheme as follows:

1. Is the illumination level in accordance with IES standards.

2. Will the lay-out result in the degree of uniformity of light distribution desired?

3. Is the brightness distribution such that no one will suffer from eye strain?

4. Is the construction of equipment such that there is a reasonable chance of keeping depreciation below 35 per cent.?

5. Is the room utilization as high as possible while maintaining a quality job?

The last question is very vague, but the others certainly provide quite a good checklist.

Incidentally, it is stated that in America, a range of light fittings is now being produced to standards which appear to be equivalent, apparently, to our BSS. It is high time that we had a BSS covering the efficiency of fittings.

MISCELLANEOUS

2717

Colour in Building

COLOUR IN BUILDING. W. Allen. (*RIBA Journal*, May, 1946, p. 282.) Light-coloured and vari-coloured environments. Utilitarian use of colour. Examination of principles. Social trends.

This paper is divided into two main parts, the first being devoted to the consideration of colour as it is normally used in buildings, while the second relates particularly to the utilitarian use of colour as exemplified in factories. The essence of the division lies in the fact that colour trends in the first case are the result of aesthetic viewpoints, while in the second the inspiration is scientific.

The author speculates on the reasons why the sombre colours of the Victorian era have given way to an almost universal use of light cream, and why this, in turn, is being modified by the use of various, and often strong, colours on different surfaces. He suggests that the first change may be related to the development of strong sources of artificial light, but that reasons for the second change are less certain. Particular reference is made to the principles of the use of broken colour (i.e., texture, etc.) which the author postulates as one of the fundamental techniques of colour use.

In the second part of the paper attention is drawn to the fact that scientists are putting colour theory into practice on a large scale, and that their knowledge of their objectives and theory is carrying them rapidly forward. It is recorded that in factory colouring there are three specific objectives: (1) improved visual conditions; (2) increased safety; and (3) improved morale. The means by which these aims are achieved are discussed.

The chief object of the paper is to analyse the present state of affairs and point out the considerable gaps in knowledge.

2718

Estimation of Run-Off

ESTIMATION OF RUN-OFF FROM IMPERVIOUS SURFACES. W. H. Norris. (*Journal of the Institution of Municipal*

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LONDON • MANCHESTER • BIRMINGHAM
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and County Engineers, June 4, 1946. Vol. LXXII, p. 425.) Comparison of better-known methods of estimating run-off. Consideration of validity of basic assumptions. Suggested simplified method. Worked out example illustrating suggested method. Further mathematical analysis.

This subject seems to have fascinated mathematically minded engineers, and there are very many theoretical papers on the subject. As a result there is much confusion of thought and lack of uniformity in methods of calculation. The author pleads for a standard method which would allow some latitude to the designer, and suggests a simple compromise of his own. This is illustrated by a set of calculations referred to a particular example. The proposed method determines an upper and lower limit on the maximum rate of run-off to be dealt with, and thus allows scope for the designer's judgment. The work of calculation is simpler than in most other methods.

2719

Health Bill

THE NATIONAL HEALTH SERVICE BILL. Dr. M. Markowe. (*Journal of the Royal Sanitary Institute*, July, 1946. Vol. LXVI, p. 198.) Present Government legislation shown as evolutionary rather than revolutionary. History of growth of public health legislation. National health service the next logical step. Summary of, and comments on, proposals.

2720

Flood Prevention

FLOOD PREVENTION SCHEMES IN HOLLAND, AND THE ZUIDER ZEE RECLAMATION SCHEME. Walter H. Haile. (*Journal of the Institution of Municipal and County Engineers*, July 2, 1946. Vol. LXXII, p. 483.) Short historical account of the Zuider Zee works, and of land reclamation in Holland.

2721

Swimming Baths

THE SHALLOW WATER METHOD OF SWIMMING INSTRUCTION. Winifred Gibson. (Sir Isaac Pitman & Sons, Ltd., 2s. 0d.) Describes convincingly the teaching of swimming by shallow water method. Revolutionizes the requirements for the planning of swimming baths. Important to architects.

HEATING and Ventilation

2722

Domestic Heating

THE HEATING OF HOUSES. A. Parker. (*Journal of the Royal Sanitary Institute*, July, 1946.) General paper on heating, cooking, hot water requirements and appliances. Useful comments made in discussion.

2723

Flue Pipes

CAST IRON SPIGOT AND SOCKET FLUE OR SMOKE PIPES. *British Standard* 41: 1946. (*British Standards Institution*, 2s. 0d.) Cast iron flue pipes, bends and offsets of internal diameters from 4 in. to 20 in. Full details of dimensions and some guide to quality.

QUESTIONS and Answers

THE Information Centre answers any question about architecture, building, or the professions and trades within the building industry. It does so free of charge, and its help is available to any member of the industry. Answers are sent direct to enquirers as soon as they have been prepared. The service is confidential, and in no case is the identity of an enquirer disclosed to a third party. Questions should be sent to: THE ARCHITECTS' JOURNAL, 13, Queen Anne's Gate, Westminster, S.W.1.

2724

Timber Allowance

Q I cannot obtain any definite ruling as to the permitted timber content for a new house which is now out to tender. I believe that there is a definite allowance for timber and plywood according to the floor

area, but have been given different information by the Local Authority and the Ministry of Works. Perhaps you will be good enough to clear this matter up for me?

A We understand from the Ministry of Works that the allowance for a house of 1,000 ft. super in area is as follows:

Soft Wood	2 standards
Hard Wood	10 cubic feet
Ply Wood	450 square feet

The Soft Wood allowance includes timber used in structure, joinery and finishings as well as in any outbuilding. Larger or smaller houses are allowed proportionately more or less. For multiple tenement flats the Soft Wood requirements are dealt with on a similar basis on the merits of each particular scheme.

2725

Petrol Fume Detectors

Q Can you let us have the name and address of the manufacturer of a petrol fume detector?

A We give below the address of a firm who manufacture Petrol Fume Detectors:

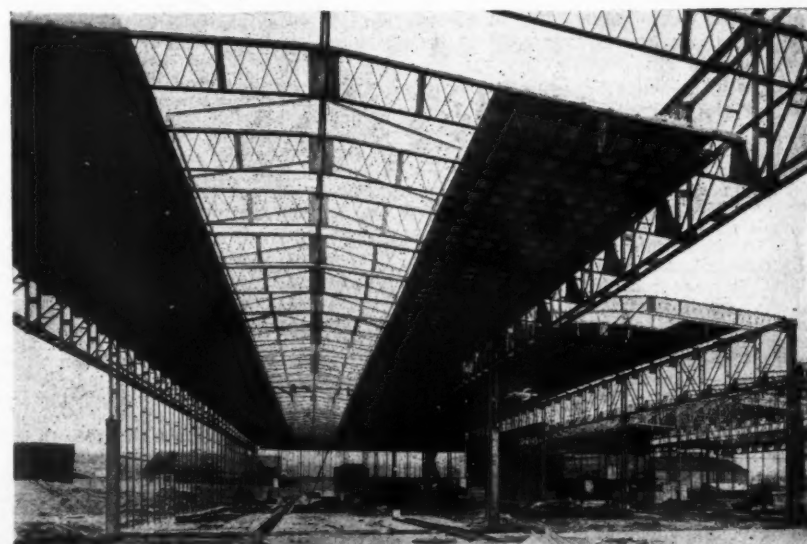
Messrs. Pilot Engineers, Limited, Ford Street, Chestergate, Stockport, England.

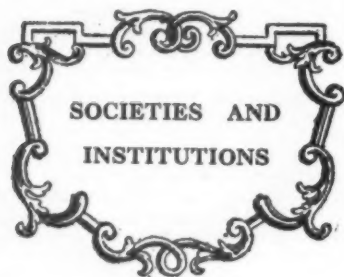
CURRENT TECHNIQUE

This Section refers briefly to technical aspects of current work of particular interest. The subject will usually be dealt with later in greater detail.

LIGHTWEIGHT STEELWORK

High efficiency structural steel framework for 85,000 sq. ft. factory building at West Bromwich for Messrs. Hills Patent Glazing Company. Planned on 8 ft. 3 in. square grid. Design is application of Hill's Presweld System using mass produced, standardised, jig assembled, resistance welded units with bolted site connections. The structure conforms to BSS 449, but is claimed to require only two-thirds of the steel necessary for a comparable structure designed on orthodox lines. The trusses are supported either on stanchions or lattice girders. Roof covering system is also interesting, i.e. purlins are dispensed with and vibrated reinforced concrete units 1 ft. 4 in. wide by 8 ft. 3 in. long by 4 in. deep are used. Wall cladding is vibrated concrete slabs. The system is applicable to single or multi-storey structures. Left, detail showing connections between lattice girders and roof trusses. Below, general view of structure in course of erection.





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.

ABT and ASW

Memorandum on Staffing

The Joint Committee on Housing set up some months ago by the Association of Building Technicians and the Association of Scientific Workers has prepared a MEMORANDUM ON THE PROBLEM OF TECHNICAL STAFFING IN THE BUILDING INDUSTRY. This memorandum, published in full below, has been sent to various Government Departments. The aim of the Committee is to consider the various ways in which the two trade unions can assist in increasing the efficiency of the housing drive, and this memorandum has been one of the first activities undertaken.

1. SUMMARY

This memorandum draws attention to:—
(a) The present need for an overall increase in the numbers of trained technical staff for all grades.

(b) The inefficient use and distribution of the technical staff available, and

(c) The poor conditions of service and salaries which are frequent and which retard recruitment and prevent the work of technical and professional staffs from being used to the full.

The main organizations in which building technicians are employed in the building industry are examined and it is observed that the following conditions are the ones requiring most immediate action:—

(i) In the Government Departments, and agencies such as the Building Research Station, there is a poor allocation of work and poor allocation and misuse of staff.

(ii) In Local Authorities, there exist low

pay, poor conditions and prospects and frequently the subordination of technical to non-technical officials.

It is recommended that:—

I—The following steps be taken immediately in Government Departments to deal with the present unsatisfactory position.

(a) A review of all staffs and re-allocations where desirable.

(b) A review of salary scales of all grades particularly the junior ones.

(c) Improved salaries and conditions for clerks, typists, laboratory assistants, etc., and servicing technicians.

(d) Improved conditions and prospects of promotion for all staffs.

II—A circular should be forwarded to Local Authorities inviting them to take similar steps.

III—There should be reconsideration of the call-up of junior assistants and of technical and professional students in the building industry.

2. A GENERAL SHORTAGE OF TECHNICIANS

The Board of Architectural Education has expressed its opinion that the existing training facilities are adequate to provide all the future requirements of architects and assistants. No great expansion of facilities seems to be contemplated in the other technical and professional branches of the building industry except on the scientific side.

While not necessarily disagreeing with this point of view, because it is difficult to foresee the long-term prospects of the industry, nevertheless we wish to stress most emphatically that at present there are serious shortages of trained personnel in almost every branch and this shortage is likely to continue and may even become more acute when the present concentration on development and experimental work has changed to a regular building programme. At present, with a very few minor exceptions, there exists an overall shortage in all branches; Government, Local Authorities, privately practising architects and surveyors, and in industrial concerns. This shortage exists generally at all levels, though there are particularly acute shortages at certain levels to which attention will be drawn later.

As a result of these shortages a great deal of urgent work especially in the planning, development and experimental fields is being neglected or inadequately improvised and much more is not even being attempted. Moreover, a great deal of the planning work is being carried out in a manner that will lead to difficulties and failures later on owing to a lack of competent designers and draughtsmen.

This problem is perhaps on the whole not so urgent among privately practising architects as the system of licensing and the shortage of labour in the industry restricts the possibilities of undertaking many building schemes at present outside the field of housing and this condition may be expected to continue in some fields for a year or so. If, however, as is probable and advisable, private architects are invited to prepare housing schemes for Local Authorities, the shortage may become acute here also.

3. UNSATISFACTORY ALLOCATION OF STAFFS

The existence of the overall shortage of skilled technicians in all fields referred to in para. 2 makes the effective distribution of existing staffs doubly important. To enable the present urgent demands to be supplied adequately it is vital that every member should be used with maximum efficiency. At present this is far from being the case, particularly in Government departments, and to a lesser degree in Local Authorities and large industrial concerns. To overcome this difficulty various departments will need to lose their rigid lines of demarcation and work will have to be

allocated where there is competent personnel available to deal with it. This is particularly important now, when wartime programmes are petering out and peace programmes starting up, the former sections being now frequently overstaffed and the latter understaffed. In addition it happens that staff in a particular department are unbalanced so that some grades are relatively idle, while others are overworked. Further, there is need for an organized re-allocation as there are industrial firms quite unable to obtain technicians while some architectural and technical Government departments are overstaffed. There should thus be cutting of some office staffs and expansion of others. One of the difficulties is that there are frequently rush periods, necessitating large staffs for short periods. Government departments are apt to be particularly reluctant to let staff go when the rush is over as prestige is apt to be attached to the number of junior grades one controls. Redundant staff in Government departments should be more readily released.

4. UNSATISFACTORY ALLOCATION OF WORK TO EXISTING STAFFS

The next problem to be considered is the faulty allocation of work to existing staffs. Here again the major weaknesses are to be observed in the Local Authorities and Government departments where promotion depends on seniority rather than competence. A re-distribution of staff would help here, for able juniors should have an opportunity of doing more responsible work in other departments in cases where promotion is blocked within their own. At the same time there is urgent need to reconsider the question of promotion policy and establishment complements: a senior man is often loaded with work which could well be re-allocated to some of his subordinates if their grade allowed them to be given adequate responsibility. It has been suggested under 3, above, that departments with declining programmes could disgorge some of their staffs, in the same way departments with excess work could disgorge some of that to under-employed sections. Another serious weakness is the tendency to maintain in junior position those who have shown aptitude for some kind of work that carries no promotion. Thus there are frequently senior men of considerable experience and ability doing junior jobs with very little hope of improvement. The aim must be in all cases to give the individual as much and as responsible work as he is capable of handling. A technician should not, because of an ability to add up a column of figures, be condemned to this work for the rest of his life. There should also be greater opportunity for working on a variety of problems.

5. INADEQUATE SALARIES AND POOR PROSPECTS

The IPCS has already drawn attention in a memorandum of December, 1945, to the need for new conditions of service for architectural, surveying, civil engineering and allied professional staffs in the civil service. Government agencies and departments and Local Authorities suffer because the salaries in Government departments and the salaries and conditions of employment in Local Authorities do not attract the ablest technicians. In this respect the Local Authorities are by far the worst offenders, the pay being frequently scandalously low and technical men frequently having to take instructions from, and being supervised by, non-technical people. The scales recently laid down by the National Whitley Council for LAS are of such a general nature as to leave considerable loopholes. Moreover, the prospects in Local Government service are poor except for those who are prepared to move their homes and families every time they want to improve their position. Government

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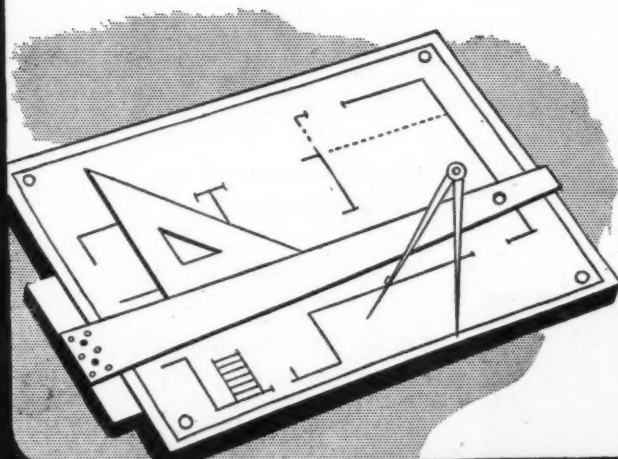
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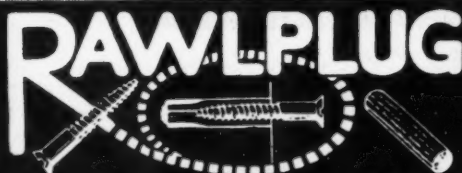
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A.J. 12.9.46

departments have to some extent improved their salary scales, though in the junior positions they remain very low. This consideration does not in general apply to industrial and commercial firms, as the current man-power shortage compels them to offer reasonable salaries, although conditions of service are generally poor, particularly in the lower grades. This, of course, has its unsatisfactory side as many professional men of ability who would wish to serve their Local Authorities or the Civil Service are unable to accept such service owing to low pay and a frequent loss of independence.

6. SHORTAGE OF CLERKS, TYPISTS, ETC.

Another factor of great importance, in many respects at present the most serious, is an inadequate supply of juniors, drawing office staffs, lab-assistants, clerks and typists. This shortage is universal, resulting in senior men spending a great deal of time writing letters in longhand or waiting several days before correspondence can be typed and wasting time doing their own filing, bottle washing, etc. One man adequately served on the clerical side can greatly increase his output on the technical side. The shortage of junior clerical staffs is partly due to the call-up to establishment complements, and partly due to the low pay usually offered. (Many juniors who would normally go in for white collar jobs take work at a factory because of the higher rate of pay.)

7. CALL-UP AND RELEASE FROM THE FORCES

Mr. Bevan has said that under the block release system large numbers of technicians are to be released from the army. These releases are not taking place sufficiently quickly to have an appreciable effect on the current shortages and at the same time the

continuing call-up is capturing the juniors and students and will lead to further difficulties later on, besides producing a bottleneck at present. The call-up of students training for technical work in the building industry urgently requires a fresh examination and deferment for such students should be considered.

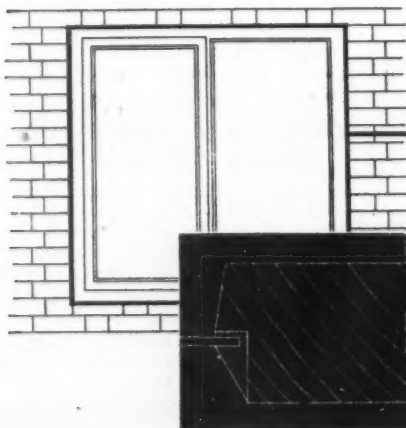
Announcements

The Board of Trade, after full discussion with the Paint Industry, has introduced a Paint Distribution Scheme designed to make the best possible use of the available supplies of linseed oil. Under this scheme manufacturers must use their allocations of linseed oil so that, in the aggregate, the Government can count on a known quantity of paint being available in each of the following three classes—Building, Transport, and General Industrial. The scheme is intended to eliminate all uneconomic use of paint in order to direct available supplies toward those uses which are essential in the national reconstruction programme. Supplies to retailers will be at approximately the same level as at present. Building Paint will continue to be subject to the Ministry of Works' WBA Priority Scheme. Transport Paint will require an authorization, before acceptance of orders, from the Ministry of Transport or, for ship construction, from the Admiralty. No authorization will be required for General Industrial Paint.

Mr. Hugh R. Francis, O.B.E., has been appointed joint managing director with Mr. H. E. Baum of Lacrinoid Products Ltd.

Mr. W. A. Williams, of Queen Square, Bath, has now resumed his pre-war practice at the new address of 14, New Bond Street, Bath, and would be glad to receive trade catalogues.

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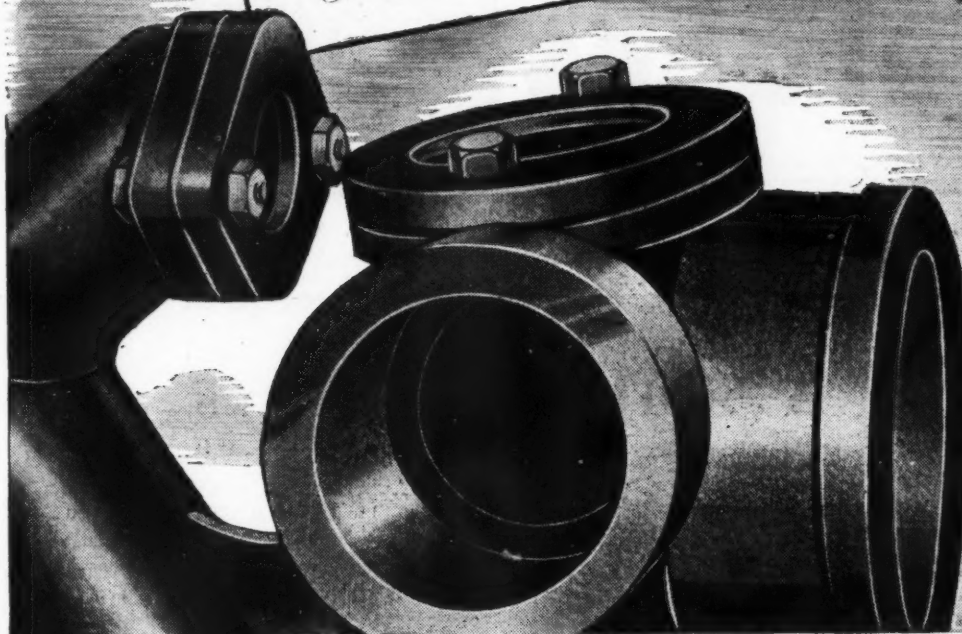


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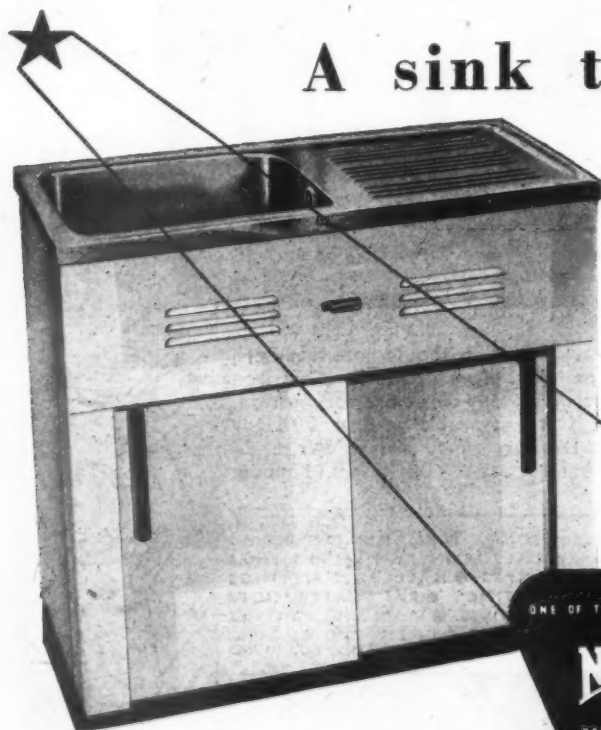
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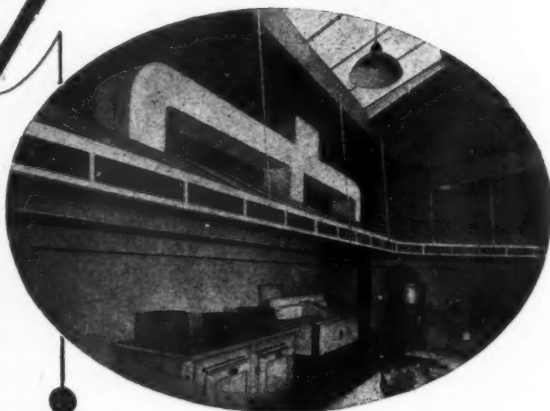
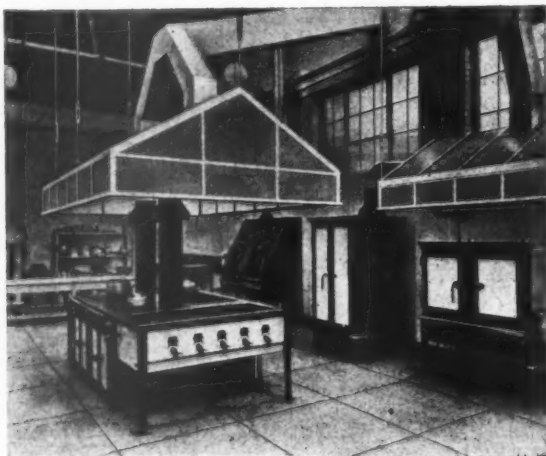
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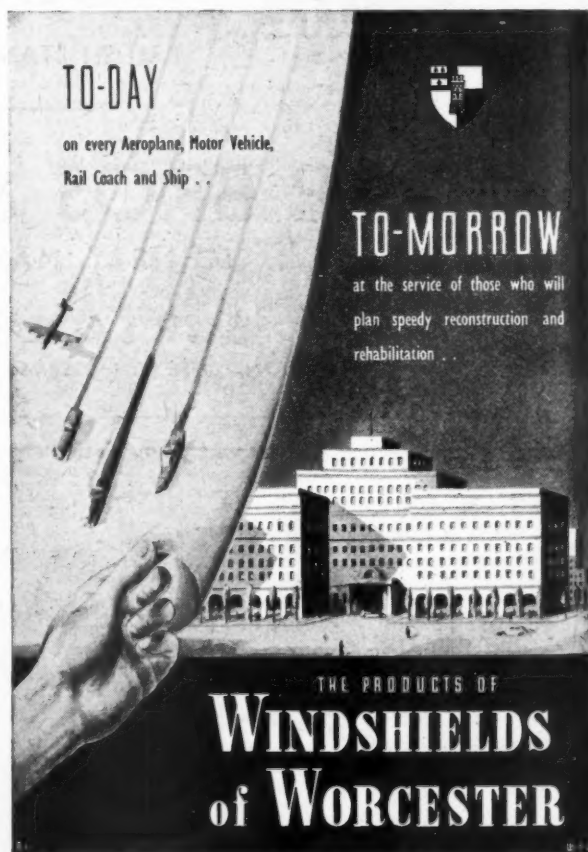
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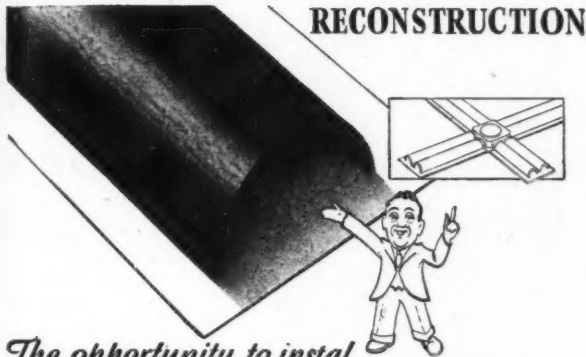
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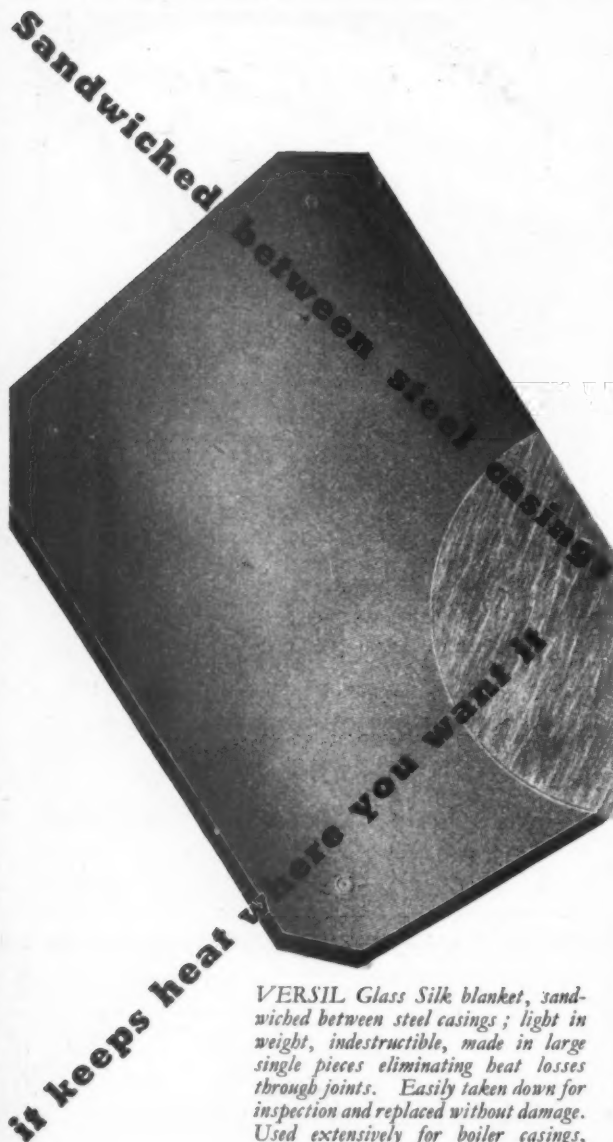
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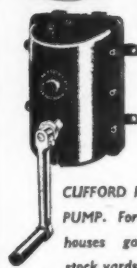
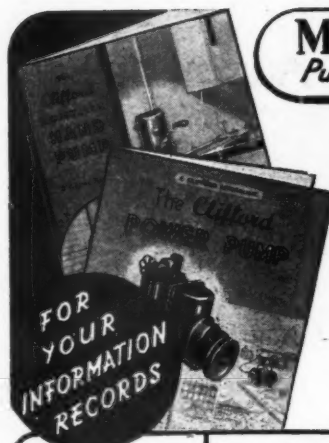
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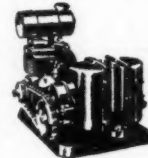
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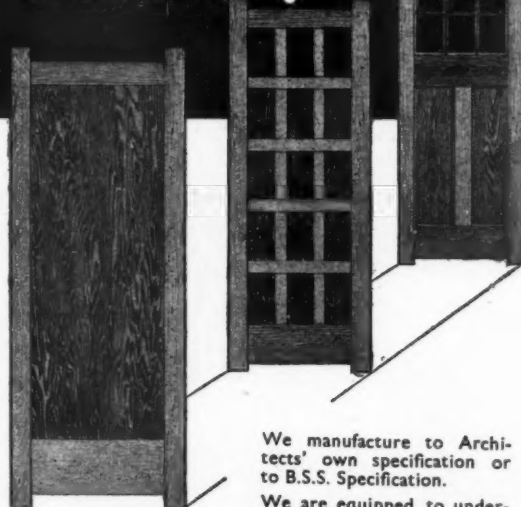


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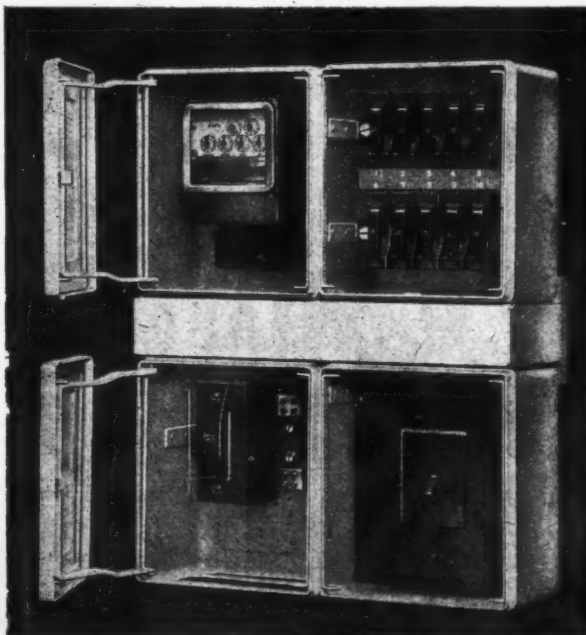
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The same size of heating plant, burning the same amount of fuel, will heat a properly insulated building as much as twice the size of an uninsulated building. This fact has been demonstrated by the Fuel Efficiency Committee of the Ministry of Fuel and Power.

It is not merely in the National interest, it is sheer common sense to use insulating building materials. They pay for themselves out of the saving on heating. With concrete in particular, the obvious insulating material to use is Wood Wool Slabs.

Wood Wool Slabs can be used as permanent shuttering in concrete construction, for walls, roofs, internal partitions. They are highly resistant to fire, rot and vermin, they are unusually convenient to handle and work. They provide an excellent surface for bitumen, cement and plaster rendering. For full details, write to this Association.

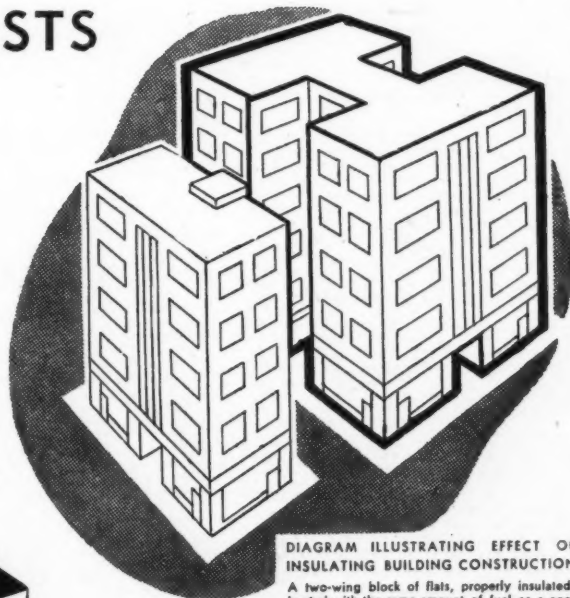
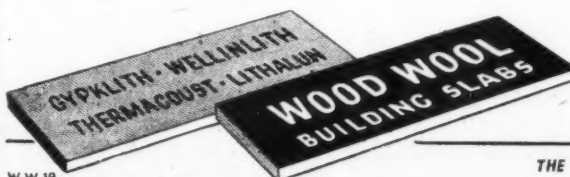


DIAGRAM ILLUSTRATING EFFECT OF INSULATING BUILDING CONSTRUCTION
A two-wing block of flats, properly insulated, heated with the same amount of fuel as a one-wing block built with non-insulating materials.



W.W.19

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CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the *Advt. Manager, "The Architects' Journal," War Address: 45 The Avenue, Cheam, Surrey, and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.*

Replies to Box Numbers should be addressed care of "The Architects' Journal," War Address: 45 The Avenue, Cheam, Surrey.

Public and Official Announcements

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

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. Address: 75, Ebury Place, London, S.W.1. Tel.: Sloane 5615. 994

LONDON COUNTY COUNCIL.

Applications are invited for the following positions:—

(1) QUANTITY SURVEYORS AND ASSISTANTS (SENIOR AND JUNIOR). Required for:—

(a) "Taking-off" quantities, measuring, and adjusting variations under building contracts and preparing estimates.

(b) Preparing estimates and measuring repairs and minor works under schedule of prices (experience of London County Council War Department or Office of Works Schedules).

(c) Working up, etc., in connection with domestic buildings and general working up (junior).

(d) Measurement of roads and sewers and housing work on cottage estates, preparation of interim and final bills on Schedules.

(2) ARCHITECTS, BUILDING SURVEYORS, TECHNICAL ASSISTANTS (ARCHITECTURAL) AND JUNIOR DRAWING OFFICE ASSISTANTS. Required for:—

(a) Work in connection with the design and development of housing schemes for cottage estates and block dwellings (experience in domestic architecture preferred).

(b) Similar work in connection with schools and hospitals.

(c) The preparation of estimates and specifications for works of cleaning and painting, repairs and minor alterations at schools and hospitals.

(d) Assistants to district surveyors. A knowledge of the London Building Acts and by-laws is necessary for these positions.

(e) Junior drawing office assistants for general drawing office work. Should be able to finish plans from rough drawings, take dimensions and make sketches. Pay, according to age and experience, up to 65s. a week, plus cost-of-living addition.

(3) HEATING ENGINEERS AND HEATING AND VENTILATING ASSISTANTS. Good technical education required. Applicants must be experienced in the design of, and preparation of drawings, specifications and estimates for, modern hot water heating, ventilating and hot water supply schemes.

Except as otherwise shown, salaries for the above positions will be determined by qualifications and experience up to a maximum of £420 a year, together with cost-of-living additions up to £90 a year, according to basic salary. Salary up to £500 for certain positions of heating engineer and building surveyor. Successful candidates will be engaged on a temporary basis, but will be eligible for appointment, according to merits, for permanent appointment on the occurrence of vacancies. Temporary staff are required to contribute to the Council's Superannuation and Provident Fund.

Ex-Service candidates with experience prior to their war service will be specially considered.

Application forms may be obtained from the Clerk of the Council, County Hall, Westminster Bridge, London, S.E.1, enclosing stamped addressed foolscap envelope.

Canvassing disqualifies. 947

THE ARCHITECTS' JOURNAL LIBRARY OF TECHNICAL INFORMATION SHEETS.

Applications are invited for appointment of TECHNICAL ASSISTANT.

Applicants must be first-class draughtsmen, possess a sound knowledge of building practice, and be interested in the preparation of technical data.

Salary £300 to £500 per annum, according to qualifications and experience. Applications may be made by members of H.M. Forces expecting demobilisation by October, 1946.

THE TECHNICAL EDITOR.

The Architectural Press, Ltd., 45, The Avenue, Cheam, Surrey. 57

DEPARTMENT OF HEALTH FOR SCOTLAND.

CHIEF ARCHITECT AND PLANNING OFFICER.

Applications are invited by the Department of Health for Scotland for the post of Chief Architect and Planning Officer in Edinburgh, at a salary of £1,800 inclusive.

The appointment is subject to the usual Civil Service conditions as to pension, holidays, etc. If the successful applicant is a pensionable official of a local authority, the Local Government and Civil Service (Superannuation) Rules, 1936, will apply.

Candidates must be between the ages of 35 and 50 on 1st September, 1946, must be members of the R.I.B.A. and the T.P.I., and must have extensive experience of housing (with particular reference to layout, design, and the new forms of construction) and of town and country planning.

Forms of application, with further particulars of the appointment, may be obtained from the Establishment Officer (Room 31), Department of Health for Scotland, St. Andrew's House, Edinburgh, 1, and must be returned to him not later than the 31st October, 1946.

Those candidates who appear best qualified will be required to attend a Selection Board in Edinburgh or London. 827

CITY OF LIVERPOOL.

ARCHITECTURAL AND HOUSING DEPARTMENT.

The Council of the City of Liverpool invite applications from qualified persons for the following temporary positions, in the Architectural and Housing Department, at the salaries shown, viz.:—

(a) TWO QUANTITY SURVEYORS. Salary £500, plus war bonus.

(b) ONE ASSISTANT ARCHITECT. Salary £450, plus war bonus.

Applicants must have had professional experience, preferably in Local or Central Government service, and one of the Quantity Surveyors must be competent in measurement of works and checking contractors' accounts for estate development (roads and sewers) contracts.

Although the positions are classed as temporary, it is probable that on continued satisfactory service the officers appointed will be absorbed into the permanent establishment of the Department at a later date, subject to the Standing Orders of the City Council.

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

Applications, on forms to be obtained from the City Architect and Director of Housing, Blackburn Chambers, Kingsway, Dale Street, Liverpool, 2, accompanied by copies of three recent testimonials, must be addressed to the City Architect and Director of Housing (endorsed with the description of the post applied for, e.g., "Quantity Surveyor"), and should be received on or before the 30th September, 1946.

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

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

W. H. BAINES,
Town Clerk.

Liverpool, 2,
August, 1946. 872

COUNTY BOROUGH OF WEST BROMWICH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant, at a salary of £370 per annum, rising by annual increments of £15 to £470 per annum, plus cost-of-living bonus. The cost-of-living bonus is at present at the rate of £59 16s. per annum.

Preference will be given to candidates who are Registered Architects and/or Associate Members of the Royal Institution of British Architects.

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

Applications, stating age, qualifications, and full particulars of training and experience, accompanied by copies of three recent testimonials, and endorsed "Architectural Assistant," must reach the undersigned not later than Monday, the 23rd September, 1946.

Canvassing will be a disqualification.

JOHN G. JEFFERSON, M.Inst.C.E.,
Borough Engineer and Surveyor.
Town Hall, West Bromwich.
2nd September, 1946. 913

OFFICIAL APPOINTMENTS

ARCHITECTURAL ASSISTANTS WANTED.

Ministry of Works invite applications to fill vacancies for Architectural Assistants, either male or female, in an unestablished capacity, for Drawing Office duties in London and all main Provincial cities. Applicants should have had an approved period of recognized training. Experience with a practising Architect, Local Authority or Government Department would be regarded as a considerable advantage, but candidates without the latter qualifications would receive consideration.

Salary: Up to £510 per annum inclusive, according to qualifications and experience.

An application from anyone at present employed by another Government Department cannot be considered, unless his services have been declared redundant with his present Department.

Apply in writing, stating town or district in which employment is desired, to Chief Architect, W.G.10/WG Room 10, Ministry of Works, Abell House, John Islip Street, London, S.W.1. 907

LEEDS COLLEGE OF ART.

SCHOOL OF ARCHITECTURE.

Applications are invited for the appointment of full-time HEAD OF THE SCHOOL OF ARCHITECTURE. The school is a department of the Leeds College of Art, and its diplomas are recognized for statutory registration and by the R.I.B.A. and the Town Planning Institute for exemption purposes.

Applicants must be Associates or Fellows of the R.I.B.A. The maximum salary will probably be £1,000 a year, and private practice will be allowed.

Further particulars and forms of application may be obtained by forwarding stamped addressed foolscap envelope to The Director of Education, Education Offices, Leeds, 1. 863

WEST SUFFOLK COUNTY COUNCIL.

Applications are invited for the under-mentioned appointments, in the County Architect's Department. Salaries as indicated, in accordance with the National Joint Council Salary Scales, plus cost-of-living bonus (at present £60 per annum); position on scales according to qualifications, viz.:—

(a) QUANTITY SURVEYOR. A.P.T. Grade V (£460-£510).

(b) ENGINEERING ASSISTANT. A.P.T. Grade V (£460-£510).

(c) ARCHITECTURAL ASSISTANT. A.P.T. Grade III (£390-£435).

(d) BUILDINGS INSPECTOR. A.P.T. Grade I (£330-£375).

Travelling allowance in accordance with County Scale.

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

Forms of application may be obtained from the undersigned, by whom applications, accompanied by three recent testimonials, should be received not later than Friday, 20th September, 1946.

L. G. H. MUNSEY,
Clerk of the County Council.
Shire Hall, Bury St. Edmunds.
27th August, 1946. 896

BANSTEAD URBAN DISTRICT COUNCIL.

Applications are invited for the under-mentioned appointments, in the Surveyor's Department:—

(a) ASSISTANT ARCHITECT, on permanent staff. Grade IV (A.P. and T. Division) National Scale of Salaries, including London weighting, £440 p.a., rising to £485 p.a. Candidates should be Registered Architects, preferably holding A.R.I.B.A. or equivalent qualification. Experience of Local Authority housing schemes essential; good general experience desirable.

(b) GENERAL ARCHITECTURAL ASSISTANT, on permanent staff. Grade I (A.P. and T. Division) National Scale of Salaries, including London weighting, £350 p.a., rising to £395 p.a. Experience of Local Authority housing schemes essential.

(c) TRACER, on temporary staff, with experience in an Architect's office. Applicants to state salary required.

(d) PLANNING ASSISTANT, on permanent staff. Grade IV (A.P. and T. Division) National Scale of Salaries, including London weighting, £440 p.a., rising to £485 p.a. Applicants should be suitably qualified and experienced.

In addition to salaries stated, war bonus, at present £59 16s. p.a. for a man, £48 12s. p.a. for a woman, will be paid.

Forms of application to be obtained from the undersigned. Last day for receipt of applications, 23rd September, 1946. Canvassing, directly or indirectly, will disqualify.

F. H. WILTSHIRE,
Clerk of the Council.
The Council House, Brighton Road,
Banstead, Surrey.
20th August, 1946. 960

THURROCK URBAN DISTRICT COUNCIL.

ENGINEER AND SURVEYOR'S DEPARTMENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the appointment of two Temporary Architectural Assistants, at a salary in accordance with Grade I of the A.P. and T. Division of the National Scale of Salaries, namely £330×£15 to £375 p.a., plus such war bonus as may from time to time be payable (at present £59 16s. per annum).

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

Applicants should have experience in general building design and construction, and must be neat and expeditious draughtsmen. It will be considered an advantage if candidates have passed or are studying for the examination of Associateship of the Royal Institute of British Architects.

Applications, stating age, qualifications and experience, with copies of not more than three recent testimonials, endorsed "Architectural Assistant," should reach the undersigned not later than first post on Tuesday, 17th September, 1946.

Canvassing will disqualify, and applicants must declare in writing relationship to any member or chief officer of the Council.

A. E. POOLE,

Clerk of the Council.

21st August, 1946.

568

COUNTY COUNCIL OF DURHAM.

EDUCATION COMMITTEE.

Applications are invited for the following vacancies, in the Architectural Department:—

ARCHITECTURAL ASSISTANTS. A. P. and T. Division (Grade III). £330—£15—£435.

ARCHITECTURAL ASSISTANTS. A.P. and T. Division (Grade I). £350—£15—£375.

ARCHITECTURAL ASSISTANTS. Miscellaneous Division (Grade I). £255—£15—£300.

TECHNICAL ASSISTANTS. Miscellaneous Division (Grade I). £255—£15—£300.

ASSISTANT QUANTITY SURVEYORS. A.P. and T. Division (Grade I). £330—£15—£375.

ASSISTANT CLERKS-OF-WORKS. Miscellaneous Division (Grade I). £255—£15—£300.

Plus cost-of-living bonus in each case.

The scales of salaries and conditions of service accord in principle with those of the Joint Council of Local Authorities' Administrative, Professional, Technical and Clerical Services.

In addition a cost-of-living bonus is at present payable, at a rate of £59 16s. per annum. Forms of application and other particulars relating to the appointments may be obtained upon application, enclosing: stamped addressed foolscap envelope, to the Architect to the Education Committee, Mr. F. Willey, F.R.I.B.A., F.S.I., 34, Old Elvet, Durham. Canvassing, either directly or indirectly, will disqualify. Latest date for receiving applications, Monday, 23rd September, 1946.

THOS. B. TILLEY,

Director of Education.

Shire Hall, Durham.

August, 1946.

867

LINDSEY (Lincs) COUNTY COUNCIL.

Applications are invited for the following permanent positions in the County Architect's office:—

(a) SENIOR QUANTITY SURVEYOR. Salary offered is A.P.T. Grade V, £460 per annum, rising to £510, with cost-of-living bonus in addition, at present £59 16s. per annum. Preference will be given to applicants who are Professional Associate Members of the Chartered Surveyors' Institution, and experienced in the preparation of Bills of Quantities for Public Buildings, etc.

It is desirable that the successful candidate should provide his own car, for which he would receive an allowance on the Council's scale.

(b) CHIEF CLERK. Salary according to the Higher Clerical Division of the National Scale of Salaries, i.e., commencing at £330 per annum, rising by three annual increments of £15 to £425 per annum. Preference will be given to applicants who have had experience in the Architect's Department of a Local Authority.

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

Applications, accompanied by copies of not more than three recent testimonials, should be sent to the undersigned not later than 23rd September, 1946.

A. DONALD CLARK, A.R.I.B.A.,

A.M.T.P.I.,

Acting County Architect.

County Offices, Lincoln.

890

HAYES AND HARLINGTON URBAN DISTRICT COUNCIL.

APPOINTMENT OF ARCHITECT.

Applications are invited from recognized and qualified Architects for the above appointment, on the permanent staff. The person appointed is to be the head of an Architectural Section being established by the Council under the control of the Engineer and Surveyor.

Salary in accordance with Grade A.P.T. VI of the National Scheme of Conditions of Service, i.e., £535 per annum, rising by two annual increments of £20 and one of £25 to a maximum of £600, plus £20 per annum London weighting, plus cost-of-living bonus, at present 23s. per week. The Council can give no undertaking to provide or assist in providing housing accommodation.

Forms of application can be obtained from the Engineer and Surveyor, Town Hall, Hayes, Middlesex, on receipt of a stamped, addressed foolscap envelope.

Applications on the prescribed form, accompanied by copies of three recent testimonials in sealed envelopes, endorsed "Architect," must be received by me not later than 9 a.m. on 23rd September, 1946.

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

Dated this 29th day of August, 1946.

A. E. HIGGINS,

Clerk of the Council.

Town Hall, Hayes, Middlesex.

905

CITY OF COVENTRY.

CITY ARCHITECTURAL DEPARTMENT.

The Corporation of Coventry invites applications from qualified persons for the following whole-time permanent appointments in the City Architectural Department:—

QUANTITY SURVEYORS. Salary on Grade A.P.T. III (commencing at £390 per annum, and rising by three annual increments of £15 to a maximum of £435 per annum).

ASSISTANT QUANTITY SURVEYORS. Salary on Grade A.P.T. I (commencing at £330, and rising by three annual increments of £15 to a maximum of £375 per annum).

Salary increments are subject to satisfactory service. The above salaries are exclusive of the Council's cost-of-living bonus, which may vary, but which at present amounts to £59 19s. 3d. per annum.

The posts are subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Acts, as amended in regard to annuities to widows by the Coventry Corporation Act, 1936, and a satisfactory certificate will be requisite from the Council's medical referee. The persons appointed will be required to contribute to the Coventry Municipal Officers' Widows' and Orphans' Pension Fund.

Applications must be made on the form obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials or names of two persons to whom reference may be made, not later than Friday, the 27th September, 1946.

Canvassing, directly or indirectly, will be a disqualification.

D. E. E. GIBSON,

City Architect.

1a, Warwick Row, Coventry.

September 5, 1946.

889

CITY OF LEICESTER EDUCATION COMMITTEE.

APPOINTMENT OF JUNIOR ARCHITECTURAL ASSISTANTS AND CLERK OF WORKS.

Applications are invited for the following positions on the staff of the Education Committee's Surveyor (Mr. J. O. Thompson, F.R.I.B.A.):—

(a) Two Junior Architectural Assistants, either male or female, at a salary in accordance with that applicable to the General Division of the National Joint Council's Scales, plus cost-of-living bonus, at present £69 (men) and £48 (women). The commencing salary will be according to age; for a man at twenty-one it will be £160; for a woman, £128, plus bonus.

(b) One Clerk of Works, for maintenance work, minor alterations and additions, etc., carried out by the Department, at a salary of £327 12s., plus cost-of-living bonus, at present £69 per annum. The successful candidate will be expected to provide a motor car, for which an allowance will be paid in accordance with the Committee's scale.

All these appointments will be subject to the provisions of the Local Government Superannuation Act. Candidates appointed will be required to pass a medical examination.

Forms of application may be obtained from the undersigned on receipt of a stamped addressed envelope, to whom they should be forwarded, accompanied by copies of not more than two recent testimonials, not later than Tuesday, the 24th September.

ELFRED THOMAS,

Director of Education.

Education Offices, Newark Street,

Leicester.

3rd September, 1946.

920

SCOTTISH SPECIAL HOUSING ASSOCIATION, LTD.

The Association, having been entrusted by the Secretary of State for Scotland with the erection of 100,000 houses over the next 10 to 12 years, invite applications for the appointments detailed below. The Association's programme will be confined entirely to Scotland.

LAND SURVEY DEPARTMENT:

1 SURVEYOR, to take charge of Land Survey Department. Salary £500 to £600.

12 ASSISTANT SURVEYORS, experienced in contouring and survey of land. Salary £400 to £500.

4 JUNIOR ASSISTANTS, with similar experience. Salary £300 to £400.

24 CHAINMEN, Salary £4 10s. to £6 per week.

2 TRACERS (Female). Salary £3 to £4 per week.

ARCHITECTURAL DEPARTMENT:

10 ASSISTANT ARCHITECTS (Grade I). Salary £600 to £750.

5 ASSISTANT ARCHITECTS (Grade II). Salary £400 to £500.

4 BUILDING INSPECTORS. Salary £500 to £600.

4 TRACERS (Female). Salary £3 to £4 per week.

ENGINEERING DEPARTMENT:

1 ENGINEER. Salary £1,200 to £1,450.

2 ASSISTANT ENGINEERS, experienced in steel and reinforced concrete design. Salary £600 to £750.

2 ASSISTANT ENGINEERS, experienced in the design and construction of roads and sewers. Salary £500 to £650.

4 ASSISTANT ENGINEERS, with general experience. Salary £450 to £600.

2 TRACERS (Female). Salary £3 to £4 per week.

ESTIMATING DEPARTMENT:

1 ESTIMATOR, having commercial experience with building and civil engineering undertakings in the preparation of competitive estimates for roads, sewers, house building, etc. Salary £750 to £1,000.

1 ASSISTANT ESTIMATOR, with similar experience. Salary £600 to £750.

2 QUANTITY SURVEYORS, with experience in the preparation of quantities of roads, sewers, and all building trades. Salary £450 to £600.

Where appropriate applicants for posts in the above Departments must be Members, Fellows or Associate Members of the appropriate Institutions, and must have considerable experience in their profession.

PLANNING AND PROGRESSIVE DEPARTMENT:

2 TECHNICAL PROGRESS ASSISTANTS, with experience in the planning and progressing of the construction of roads and sewers and house building through their various stages. Salary £400 to £500.

LABOUR DEPARTMENT:

1 MANAGER, with experience in the recruitment of labour for all trades in the building and civil engineering industries. Salary £600 to £800.

PLANT DEPARTMENT:

1 MANAGER, with experience in the operation, movement, maintenance, and repair of a large fleet of all classes of heavy and light plant used on road, sewer, and building operations. Salary £750 to £1,000.

TRANSPORT DEPARTMENT:

1 MANAGER, with experience in the operation, maintenance and repair of a large fleet of all classes of transport, varying from 5-ton tipping lorries to 25-ton low-loaders, and the operation of a repair shop. Salary £500 to £700.

CONSTRUCTION DEPARTMENT:

1 MANAGER, with extensive experience in the supervision and execution of works of some magnitude and the control of a large staff of Agents, able to organize and work to time schedule and stage progress. Salary £1,000 to £1,200.

2 ASSISTANT MANAGERS, with similar experience. Salary £700 to £850.

CONTRACTORS' AGENTS, with experience in organizing and carrying out works of some magnitude, including roads, sewer, or house building projects. Salary £12 to £15 per week.

CLERKS OF WORKS, with experience in the supervision of all building trades, preferably housing works. Salary £10 to £12 per week.

FINANCE DEPARTMENT:

1 COSTING CLERK, with experience with Commercial Undertakings, and able to analyse costs of road, sewer, and housing construction and plant and transport operation and maintenance costs. Salary £250 to £400.

2 INVOICE CLERKS. Salary £180 to £300.

3 WAGES CLERKS. Salary £230 to £350.

1 COMPTOMETER OPERATOR. Salary £200 to £250.

Successful applicants will be placed within the scale for each appointment, according to qualifications and experience.

Forms of Application, with full particulars, can be obtained from the Secretary, Scottish Special Housing Association, Ltd., 11, Drumsheugh Gardens, Edinburgh, 3, and all applications must be in the hands of the Association not later than 30th September, 1946.

Canvassing will be a disqualification.

928

FIFE COUNTY COUNCIL.

PLANNING AND ARCHITECTURAL DEPARTMENTS.

PLANNING DEPARTMENT:

Applications are invited for appointment of PLANNING ASSISTANT, in the above Department. Preference will be given to candidates holding the Associate Membership of the Town Planning Institute, and having practical experience in the preparation of Planning Schemes. Salary £400 per annum, plus war bonus of £90.

ARCHITECTURAL DEPARTMENT:

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, in the County Housing Architect's Department. Applicants must be qualified Architects under 45 years of age, with previous experience of Local Authority Schemes, particularly Housing. Salary will be £400 per annum, plus war increase of £90 per annum.

Both the above appointments are superannuable, and successful candidates will require to undergo a medical examination.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials and clearly showing the vacancy applied for, must be lodged with the undersigned not later than 28th September, 1946.

J. M. MITCHELL,

County Clerk.

County Buildings, Cupar-Fife.
30th August, 1946.

909

CORPORATION OF LONDON.

PUBLIC HEALTH DEPARTMENT.

CITY ENGINEER'S OFFICE:
TOWN PLANNING TEMPORARY ASSISTANTS.

Applications are invited for the under-mentioned appointments, on the temporary staff of the City Engineer's Office, to deal with the preparation of drawings and data, examination of applications for development, and other work associated with town planning and reconstruction.

(a) Town Planning Assistant, at a salary of £500 per annum, plus consolidation addition of £90 per annum. Applicants should have passed the final examination of the Town Planning Joint Examination Board, and additional recognized professional qualifications will be deemed an advantage; previous experience of statutory planning is desirable but not essential.

(b) Town Planning Junior Assistant, at a salary in accordance with age and experience. Applicants should be neat and expeditious draughtsmen; previous experience in a planning office is desirable but not essential.

Both appointments are subject to one month's notice on either side, and the persons appointed will be required to contribute to the Corporation's Superannuation Fund.

Applications, giving full information as to age, qualifications and experience, accompanied by copies of not more than three recent testimonials, and endorsed "Town Planning Assistant" or "Town Planning Junior Assistant," should be forwarded to the Town Clerk, Public Health Department, Guildhall, E.C.2, and must be received not later than 14th October, 1946.

ROACH.

Guildhall, E.C.2.
August, 1946.

911

NEATH RURAL DISTRICT COUNCIL.

APPOINTMENT OF TWO ENGINEERING ASSISTANTS.

Applications are invited for the appointment of two Engineering Assistants, in the Engineer and Surveyor's Department, as follows:—

(a) Engineering Assistant, at a salary in accordance with A.P.T. Grade V, of the National Scale, commencing at £460 per annum and rising to £510 per annum.

(b) Engineering Assistant, at a salary in accordance with A.P.T. Grade IV, of the National Scale, commencing at £420 per annum and rising to £465 per annum.

Candidates for appointment (a) must have had considerable experience in the design and construction of Sewerage and water schemes, and those for appointment (b) must have had experience in general Engineering Work, and in particular in the layout and preparation of housing sites and all services connected therewith.

Candidates for both appointments should possess one of the appropriate qualifications stipulated in the scheme of Conditions of Service issued by the National Joint Council for Local Authorities, Administrative, Professional, Technical and Clerical Services.

The current cost-of-living bonus will be paid in addition to the above salaries, and the appointments will be subject to the Council's Superannuation Scheme, and successful candidates will be required to pass a medical examination.

Applications, endorsed "Engineering Assistant" (a) (b), stating full particulars of experience, age, and qualifications, accompanied by three recent testimonials, should be sent to the undersigned not later than the 18th of September, 1946.

T. D. WINDSOR WILLIAMS,

Clerk of the Council.

2, New Street, Neath.

979

BOROUGH OF DARTFORD.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the appointment of JUNIOR ARCHITECTURAL ASSISTANT, in the Borough Engineer and Surveyor's Department.

Applicants should have completed an approved period of training, and should have passed the intermediate examination of the Royal Institute of British Architects or its equivalent. Salary will be in accordance with Grade I of the Administrative, Professional and Technical Division of the National Scale (commencing at £330 per annum, rising by three annual increments of £15 to £375 per annum), plus cost-of-living allowance, at present £59 16s. per annum.

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

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, and endorsed "Junior Architectural Assistant," to be delivered to the undersigned not later than the 28th September, 1946.

THOMAS ARMSTRONG,

Town Clerk.

Town Clerk's Office, Dartford.
12th September, 1946.

931

COUNTY BOROUGH OF GRIMSBY.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following Architectural appointments to the permanent staff, in accordance with the National Scales:—

(a) First Architectural Assistant, A.P. & T., Grade V, salary £460-£15-£20-£510.

(b) Senior Architectural Assistant, A.P. & T., Grade IV, salary £420-£15-£465.

A cost-of-living bonus, at present £59 16s. per annum, is also payable to each appointment, and the successful applicants will be required to pass a medical examination, and be subject to the Local Government Superannuation Act, 1937, the appointments being terminable by one month's notice on either side.

Candidates should be Registered Architects, and preference will be given to Corporate Members of the R.I.B.A. or holders of the Diploma of a recognized School of Architecture.

Experience in Housing, Schools and Public Buildings is desirable. Applications, stating age, qualifications, experience, whether married or single, together with copies of two recent testimonials, should reach the undersigned not later than Friday, the 27th September, 1946.

In connection with one of the appointments, housing accommodation will be available for a married person, if required.

J. V. OLDFIELD,

Borough Engineer and Surveyor.

Municipal Offices, Town Hall Square,
Grimsby.

932

CITY OF STOKE-ON-TRENT

Applications are invited for the following permanent appointments, in the Reconstruction Department. The appointments will be subject to satisfactory medical examination, to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side. The salary for each position is as set out below, and in each case is exclusive of a cost-of-living bonus, which is at present £59 16s.

(a) TWO PLANNING ASSISTANTS, £250, rising by annual increments of £20 to £600.

Applicants should have had experience in planning, including Control of Interim Development, Basic Surveys, the Preparation of Schemes and Housing Layouts, and should have passed the final examination of the Town Planning Institute. Civil Engineering or Architectural qualifications will be an additional recommendation.

(b) PLANNING ASSISTANT, £390, rising by annual increments of £15 to £435.

Applicants should have had experience in the preparation of Schemes and Basic Surveys, and should have passed the final examination of the Town Planning Institute.

(c) TWO PLANNING ASSISTANTS, £250, rising by annual increments of £15 to £375.

Applicants should have had experience in the preparation of schemes, and should have passed the intermediate examination of the Town Planning Institute.

Applications, indicating the post applied for, and stating age, qualifications, experience, and present position, and enclosing copies of three recent testimonials, must reach the undersigned not later than 7th October, 1946. Canvassing in any form, either directly or indirectly, will disqualify.

HARRY TAYLOR,

Town Clerk.

934

DERBYSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of SENIOR ASSISTANT ARCHITECT, at a commencing salary of £535 per annum, rising by two annual increments of £20 and one £25 to a maximum of £600 per annum.

Applicants should be fully qualified, and have had good training and adequate experience in the design and construction of modern buildings.

In addition to the salary stated above a cost-of-living bonus, at present £59 16s. per annum, is payable.

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

The successful candidate will be required to pass a medical examination. Applications, stating age, present position and salary, qualifications and previous experience, accompanied by copies of three recent testimonials, should reach the undersigned not later than 20th September, 1946.

F. HAMER CROSSLEY,

Dipl. Arch. (Lpool), A.R.I.B.A.,

County Architect.

County Offices, St. Mary's Gate, Derby.
12th September, 1946.

935

Architectural Appointments Vacant

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

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

SENIOR AND JUNIOR ARCHITECTURAL ASSISTANTS required; pleasant working conditions; good salary and interesting work. Full particulars to Forshaw & Greaves, 33, Albion Street, Hanley, Stoke-on-Trent.

ARCHITECTURAL ASSISTANTS (Draughtsmen) required at once by Ministry of Works 122, George Street, Edinburgh, 2; salary according to age and experience. Applications containing this information to "The Secretary" at the above address.

JUNIOR ASSISTANT (R.I.B.A. Inter-Standard) wanted for Architect's Office; able to work up to in. and 1/2 in. working drawings. Apply, stating age, experience, and salary required, to Hedley A. Mobbs, F.F.A.S., L.R.I.B.A., 18a, High Street, Boston, Lincs.

JUNIOR ASSISTANTS (20-22 years) urgently required in private practice for surveys, housing and industrial, sketch and working drawings. Write or phone Clark, 44, St. Russell Street, W.C.1. Museum 4400.

INTERNATIONAL CORRESPONDENCE SCHOOLS require for immediate full-time employment **JUNIOR ARCHITECTURAL ASSISTANT**, qualified by R.I.B.A. examination. Write or 'phone (Holborn 3971), stating experience and salary required, to Director of Instruction, International Correspondence Schools, Kingsway, W.C.2. 838

ASSISTANT ARCHITECT required by W. H. Smith & Son, Ltd., in their Estate Department; aged about 30-35; must be fully qualified and commercially minded; preference given to applicants who have had practical experience with a multiple firm; position is permanent and pensionable, and offers good scope to a man of proved ability.—Write, in confidence, stating age, qualifications, experience, and salary required, W. H. Smith & Son, Ltd., Estate Manager, Strand House, London, W.C.2. 861

FULLY qualified Architectural Assistant, with several years all-round office experience, urgently required for London office; work mainly on restaurants, factories, schools. Write, giving full details of age, experience, and salary required, to E. C. Kent, F.R.I.B.A., Parkway Chambers, Welwyn Garden City. 873

JUNIOR ARCHITECTURAL ASSISTANT required in South London office; must be capable draughtsman. Reply, stating age and experience, to Box 865.

STRUCTURAL DESIGNER, building construction or architectural experience, required for London office, chiefly on high-class industrial work; good salary offered; pension fund.—Write Box 892, c/o Judds, 47, Gresham Street, London, E.C.2. 921

SENIOR ASSISTANT wanted for small N.W. London practice; please state experience and salary required. Box 910.

A GOOD JUNIOR ASSISTANT for busy General Practice in Notts and Lincs; quick worker desired, able to make neat drawings; opportunity for outdoor experience as well as office work; able to make surveys and level; housing experience a help. Reply, stating experience, when available, and salary, which can be progressive, Wm. Saunders & Partners, 24, Castlegate, Newark-on-Trent. 914

ARCHITECTURAL ASSISTANTS required by a Firm of Consulting Engineers in Westminster. Write, stating age, experience, and salary required, to Box 917.

ARCHITECTURAL DRAUGHTSMEN (Senior and Junior) required by Firm of Consulting Engineers in Westminster. Write, stating age, experience, and salary required, to Box 918.

WANTED, by a Railway Civil Engineer's Office in Edinburgh, **TEMPORARY ARCHITECTURAL ASSISTANTS**; capable of preparing working drawings from rough sketches, estimating, and supervising works in progress; state age, qualifications, and salary expected. Apply Box 919.

ARCHITECT'S JUNIOR DRAUGHTSMAN required in Office in Maidenhead. Write, stating age, qualifications, particulars of training, and salary required, to Box 924.

EXPERIENCED ARCHITECTURAL ASSISTANT required for Brighton Office; state age, experience, and salary required. Box 925.

FERRO-CONCRETE DESIGNER—Wanted, by Consulting Civil Engineers, a capable Designer in reinforced concrete for heavy engineering work; age 30 to 40, with appropriate qualifications; permanency; salary up to £750 p.a., according to experience. Also r.c. DETAILERS required; salary £350 p.a. Full particulars to Pick, Everard, Keay & Gimson, 6, Millstone Lane, Leicester. 925

JUNIOR DRAUGHTSMEN required in Manchester Office; should be good draughtsmen, with sound knowledge of general construction, and competent in the preparation of sketch plans and working drawings under supervision; salary £250 per annum (plus war bonus of £73); successful candidates will be required to pass a medical examination for entry into compulsory Superannuation Scheme. Applications, stating educational qualifications, experience, and age, with copies only of testimonials, to Box 926.

ASSISTANT QUANTITY SURVEYOR required in Manchester Office; should be experienced in preparing Bills of Quantities, measuring work, and adjusting variations on Contracts and estimating; salary up to £400 per annum, according to qualifications (plus war bonus of £73), with good prospects of promotion. Also a **JUNIOR QUANTITY SURVEYOR**, able to take-off sub-trades, salary £250 per annum (plus war bonus of £73); successful candidates will be required to pass a medical examination for entry into compulsory Superannuation Scheme. Applications, stating age, qualifications, and experience, with copies only of testimonials to Box 927.

ARCHITECTURAL ASSISTANT, for small modern office, East Anglia; pleasant conditions. Full particulars and salary required to Box 937.

SENIOR ASSISTANT, in small general practice. Reply, giving full particulars of experience and capabilities, salary desired, and when free, to C. W. Porter, L.R.I.B.A., 6, Market Square, Stafford. 935

ARCHITECTURAL ASSISTANT required by a firm with extensive practice in Kent and London; sound knowledge of building construction, specifications, pricing, W.D. and compensation claims essential; the post offers an excellent opportunity for the right man. Apply, stating age and full details of past experience, qualifications, and salary. Box 929.

ASSISTANT required in architect's department of Chartered Surveyor's Office (London); must be able to prepare specifications and plans to carry out surveys and supervise war damage work, repairs, alterations, etc.; salary £500/£600, according to ability. Reply Box 933.

Architectural Appointments Wanted

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

ASSISTANT, just released from R.A.F., on return from Far East; good draughtsman; 5 years' pre-war experience (general), including surveying, mapping, perspective, modelling, details; good character; Kent and London area preferred, others considered. Box 74.

ARCHITECTURAL ASSISTANT; L.C.C. experience (schools), working drawings, measuring buildings; 4½ years draughtsman; experience in schools, rectories, churches, etc.; national certificate standard in building construction; knowledge of quantities; London area. F. N., 41, Matheson Road, W.14. 82

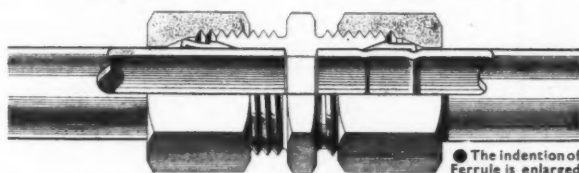
SENIOR ASSISTANT, A.R.I.B.A., requires post, with house; moderate salary; country town preferred; anywhere considered. Box 92.

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REGISTERED ARCHITECT desires responsible position; excellent experience in commercial and industrial buildings, domestic work, and public buildings; capable designer; accustomed to take charge of office; salary £260 per annum. Reply to Box 85.

B.A. in Architecture (London), age 31, just demobilised with the rank of Major R.E., requires position as ARCHITECT'S ASSISTANT; civilian experience drill halls, public houses, and all classes domestic work; war experience—airfield construction; particular interests kitchen planning and architectural modelling; salary £500-£550; own car. Box 86.

SINGLE ARCHITECTURAL ASSISTANT, 29 years old, B.Arch. (Liverpool), A.R.I.B.A., requires temporary post in London; salary over £300 per annum; town planning work preferred. Box 87.

CHARTERED ARCHITECT is prepared to work in his own office; working drawings, details, specifications, perspectives, and general assistance; terms moderate; housing, public works, and supervision if necessary. Box 88.

DRAUGHTSMAN/SURVEYOR (age 29), 9 years' experience in architectural and engineering work, working drawings (any scale) and perspectives; housing, building and road work experience, surveying, levelling and setting out, office routine and supervision, quantities and estimates, quick and neat work; samples of work may be given; requires suitable position in U.K. or part-time work, preferably where facilities to study and, if possible, accommodation. Write Box 89.

ASSISTANT available early December; accustomed to technical and financial organisation and running of busy office; experienced in layout and design of domestic, commercial and industrial buildings; war damage, licensing, and dilapidations; completing R.I.B.A. Final in December; married, housing accommodation required; salary by arrangement; preferably within 15 miles of London, but other parts considered. Box 90.

ASSISTANT (Dublin), aged 29, neat, accurate, and essentially quick draughtsman; school trained, London; 9 years' office experience in all branches of the profession, rough sketches to finished working drawings, details, surveys, conversions, specifications, perspectives, housing, cinemas, flats, etc.; excellent references; Dublin only; salary 10 gns. per week. Edward McKeown, "Murrisk," Greenfield Park, Donnybrook, Dublin. 94

A.R.I.B.A., Dip. Arch., certificate in town planning (25), good general office experience, accurate measured surveys, first-class draughtsmanship, conscientious worker; London district. Box 93.

ARCHITECTURAL ASSISTANT (24), Higher National Cert., experienced industrial, housing, general design and details, desires appointment; Midlands, Derby or Nottingham preferred; house near Derby; present salary £400 p.a.; no communication ignored. Box 91.

ARCHITECTURAL ASSISTANT (SENIOR), 35, 12 years' experience planning, detailing and supervision, cinemas, hospitals, schools, factories, office buildings, local authority and private housing, requires situation with new or re-establishing firm building-up staff; salary £500 p.a. Box 95.

Other Appointments Vacant

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REPRESENTATIVES or **AGENTS** wanted by well-known Building Materials Company; London and all counties; good connections with architects and civil engineers essential. Box 886

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WANTED—Complete set of "Typography." Box 487.

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Session 1946-47.

New session commences on 23rd September, 1946.
Enrolment week: 16th September, 1946.

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STANLEY DUMBELL.

Registrar.

922

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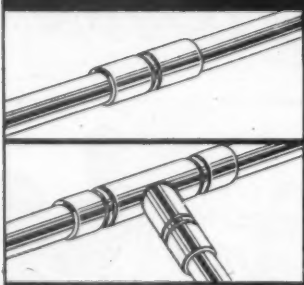
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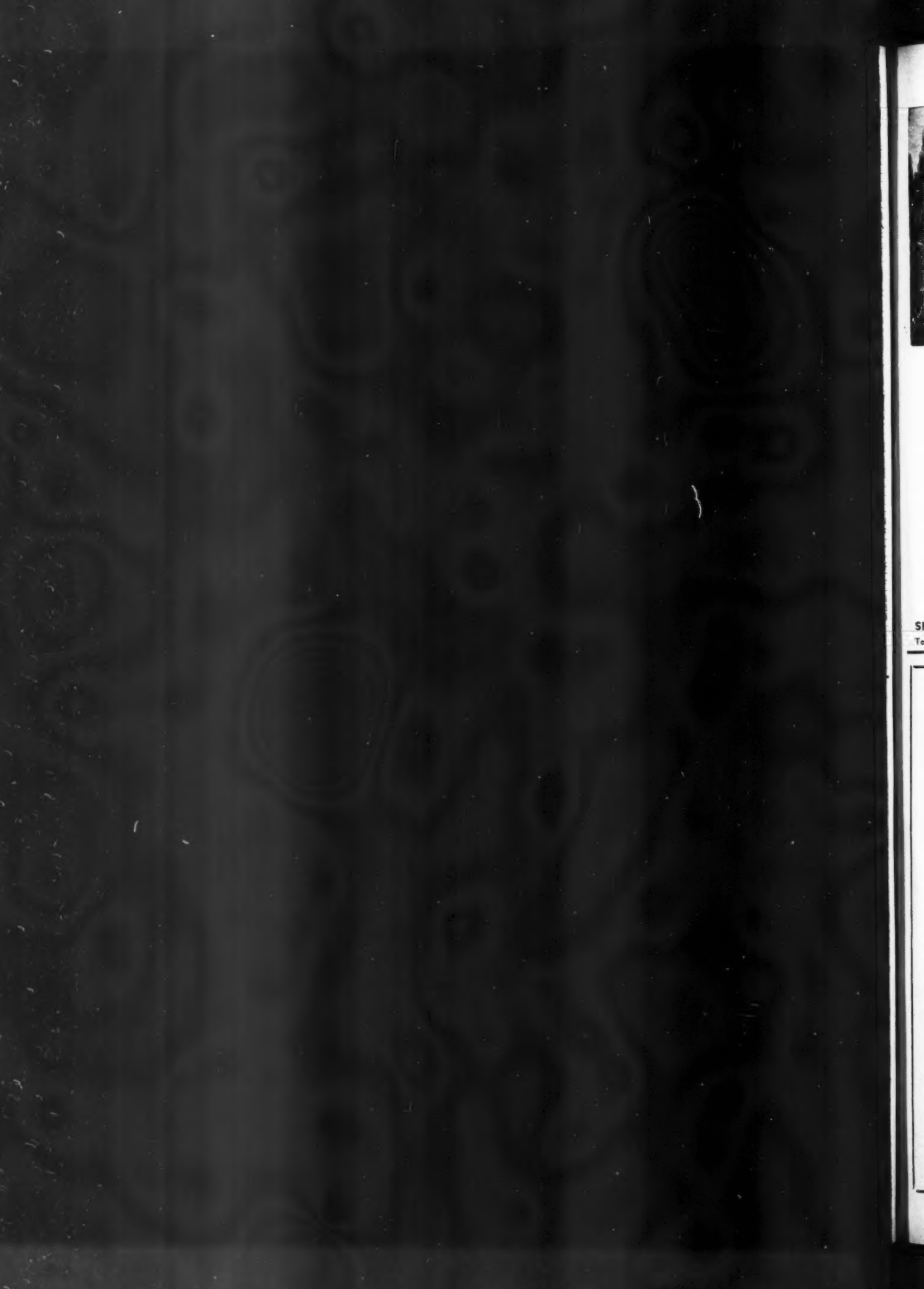
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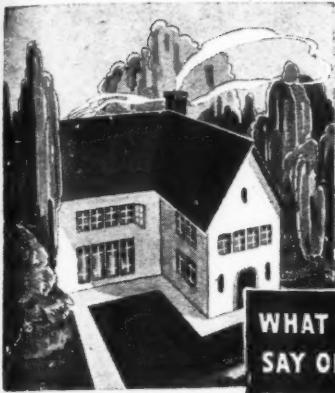
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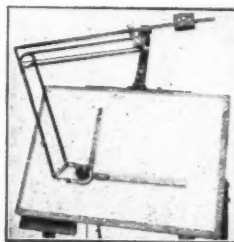
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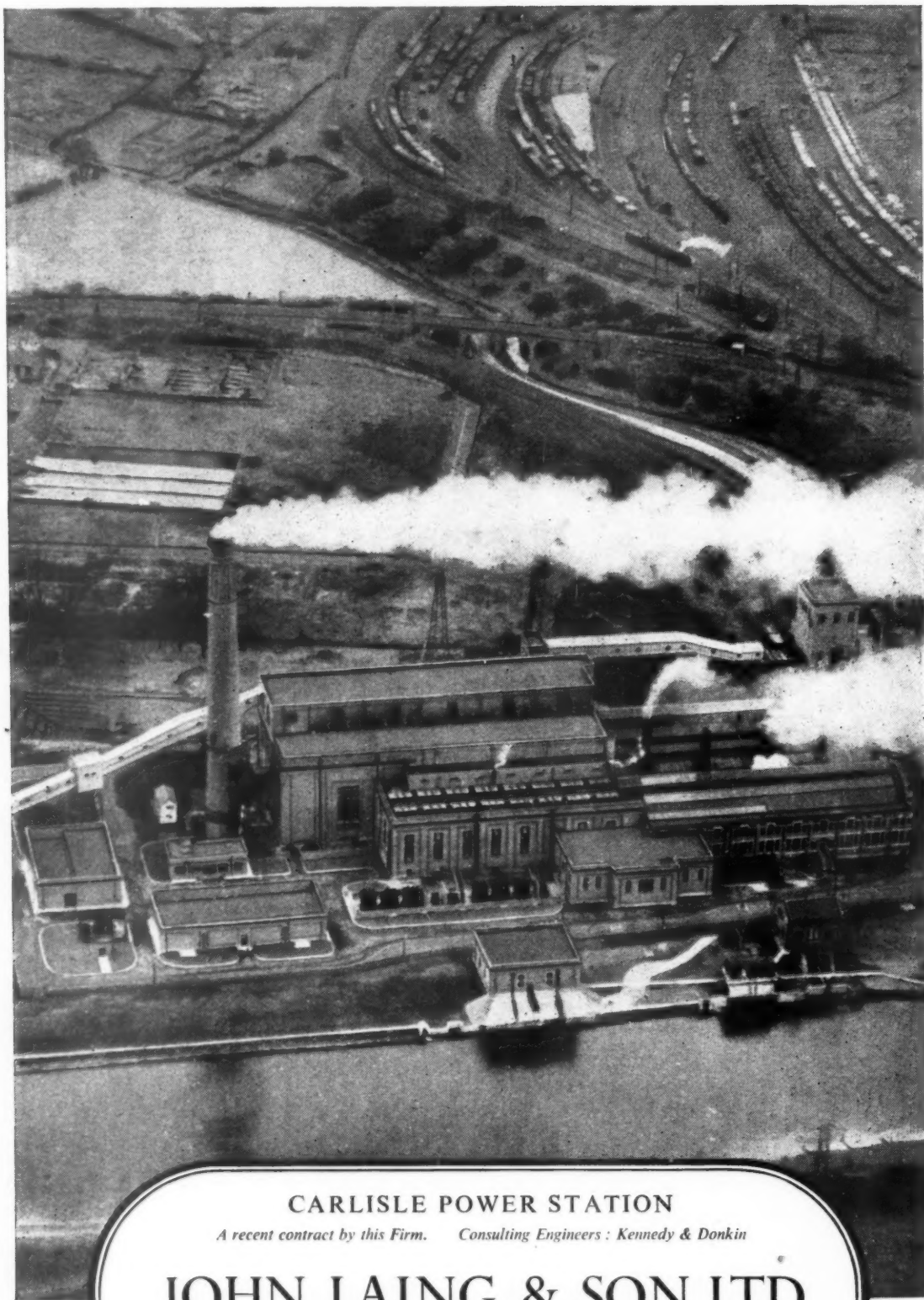
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