

# THE ARCHITECTS' JOURNAL



## standard contents

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

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Wanted and Vacant

No. 2731]

[Vol. 105

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DETROIT

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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill Avenue, Berkhamstead, Herts.	
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Welbeck 5721
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	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. School of Architecture, Manchester Municipal School of Art, All Saints, Manchester, 14	Ardwick 3480
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
AScW	Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Welbeck 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 2128
BCC	British Colour Council. 28, Sackville Street, W.1.	Regent 3613
BCCF	British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 25, Victoria Street, S.W.1.	Abbey 5422-3
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGC	British Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
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
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
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. Eggington House, Buckingham Gate, S.W.1.	Victoria 7301-2-3
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
CAS	County Architects Society. C/o A. Guy Chant, F.R.I.B.A. Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett, Herts.	Radlett 5616
CIAD	Central Institute of Arts and Design. C/o National Gallery, W.C.2.	Whitehall 2415
CIAM	Congres Internationaux d'Architectures Modernes. Dolderal, 7, Zurich, Switzerland	
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.	Kensington 7070
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.	Sloane 4280
CUJC	Coal Utilization Joint Council. 54, Victoria Street, S.W.1.	Victoria 9851
DIA	Design and Industries Association. 9, Conduit Street, W.1.	Mayfair 5432
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FASSC	Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	Flush Door Manufacturers Association. Stapleford Road, Trowell, Nottingham.	Ilkeston 623/4/5
FLD	Friends of the Lake District. Pennington House, Nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 27, Grosvenor Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881

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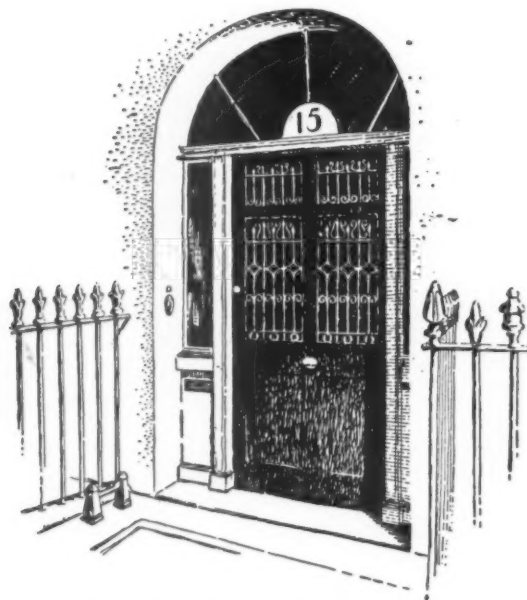
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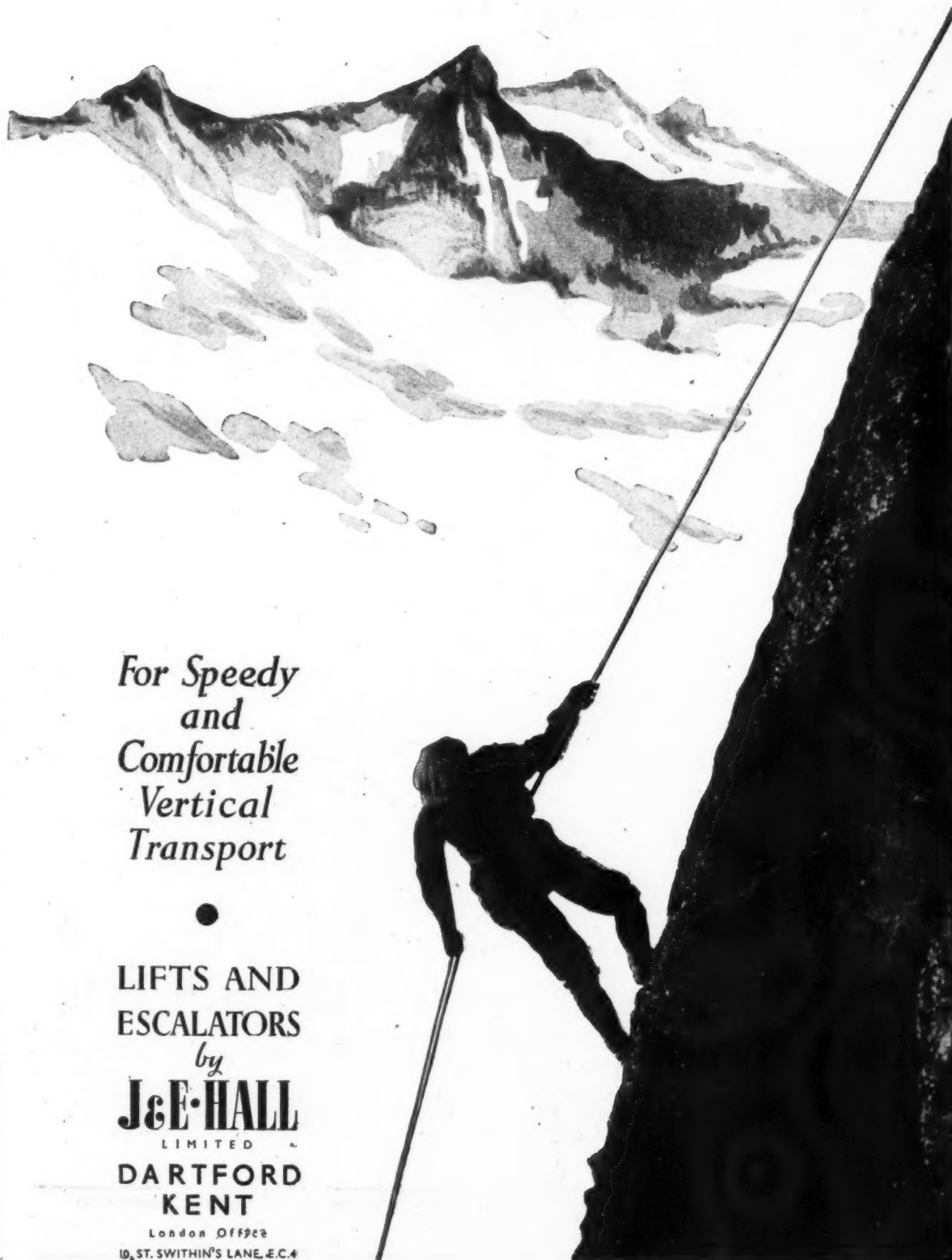
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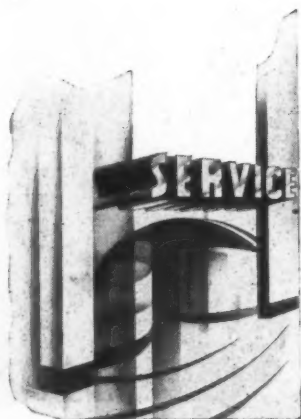
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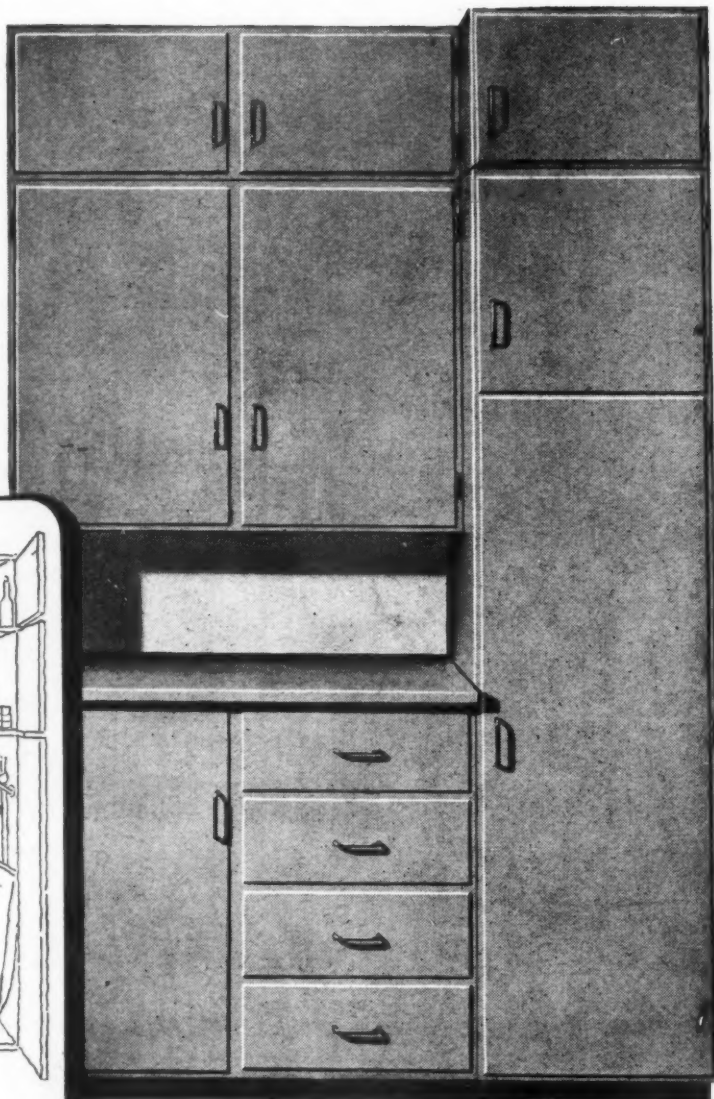
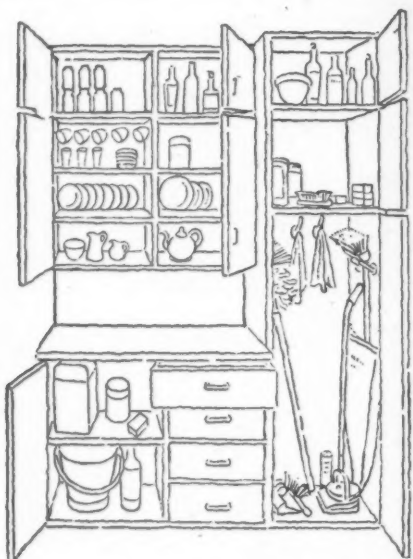
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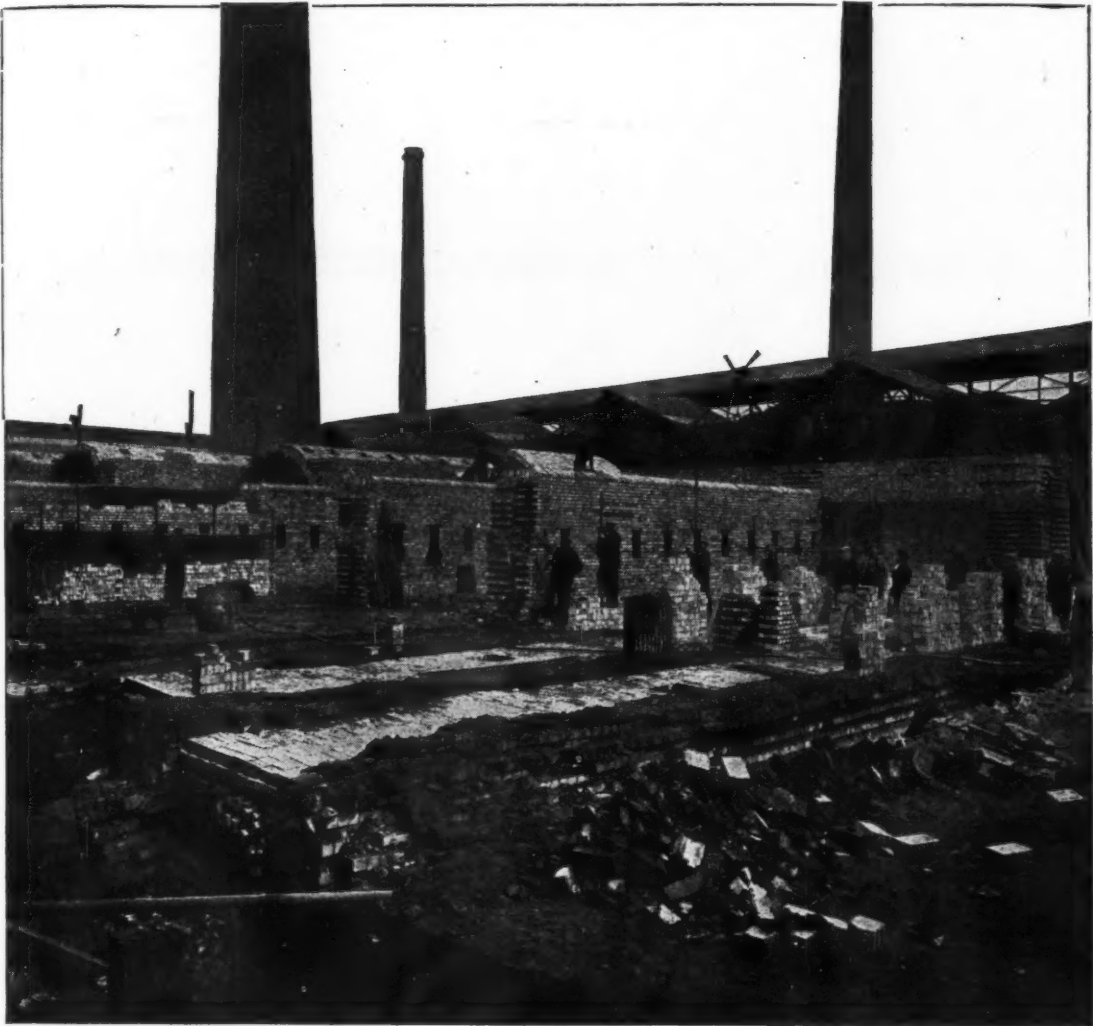


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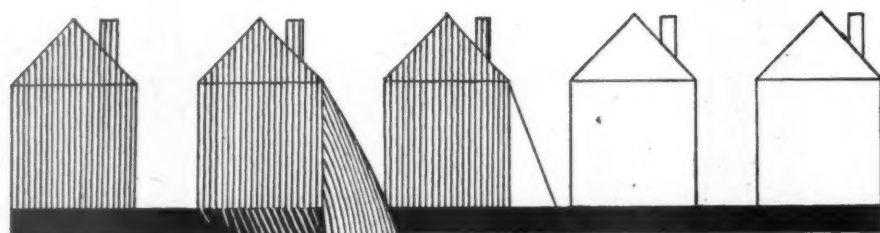
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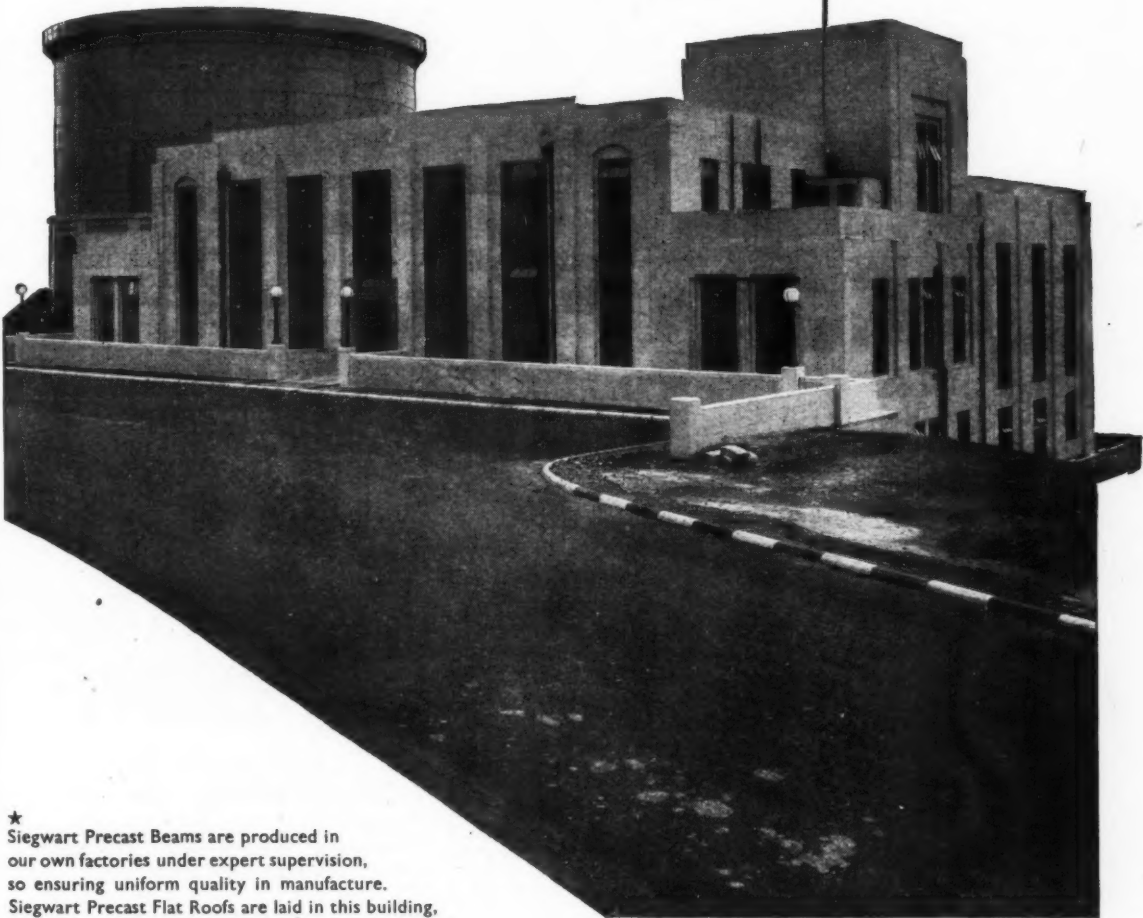
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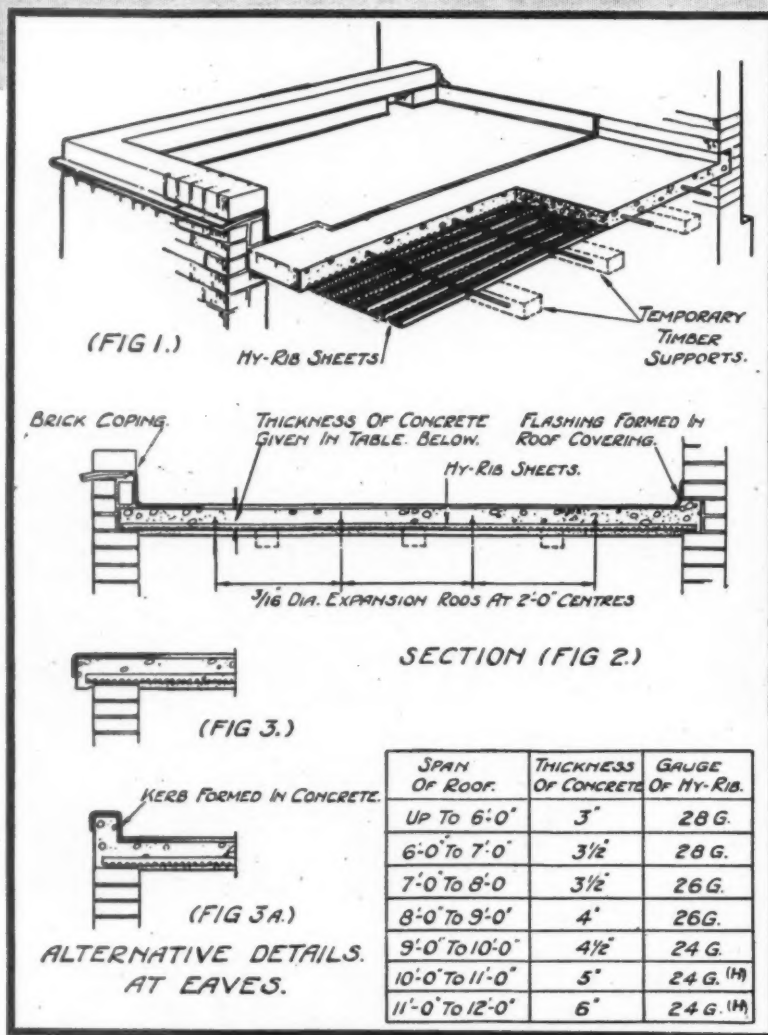
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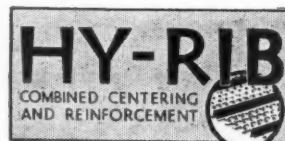
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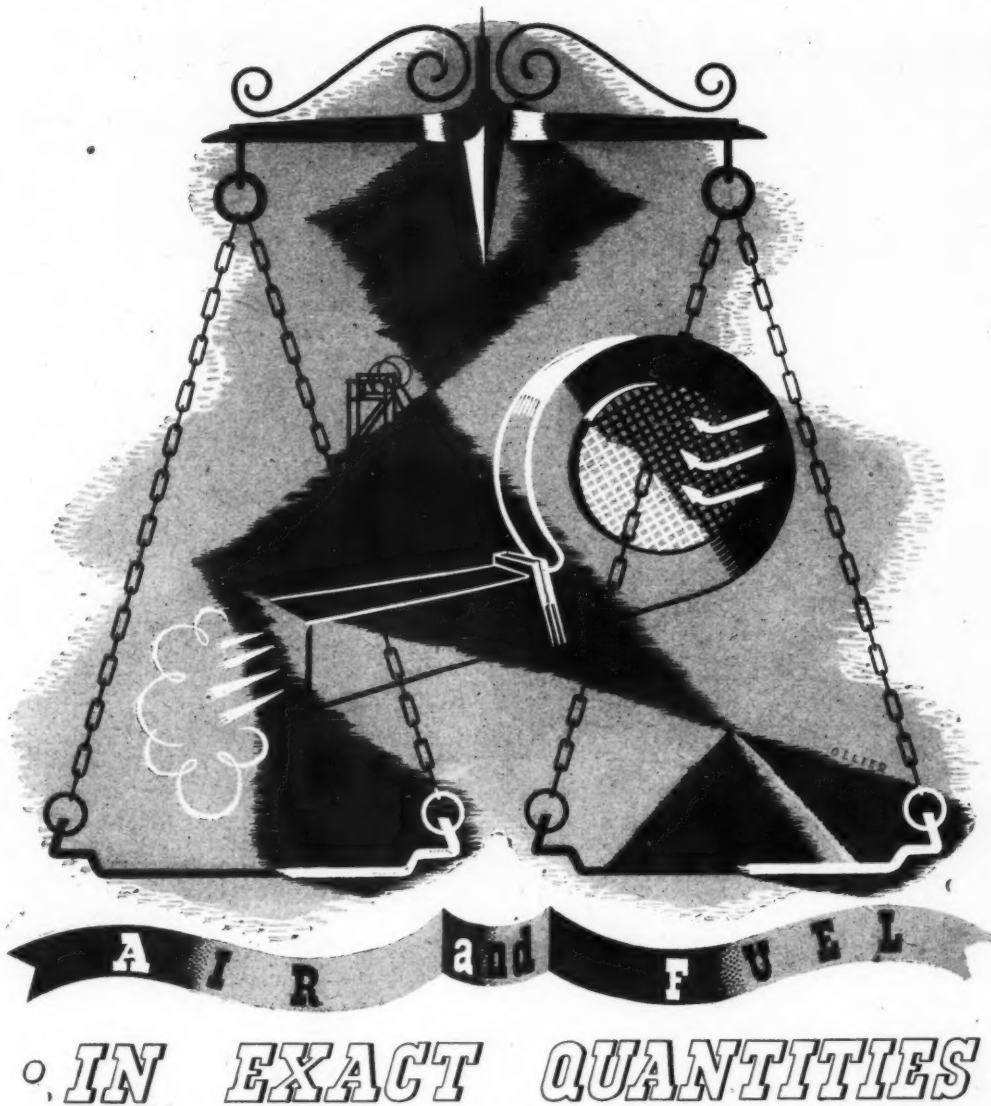
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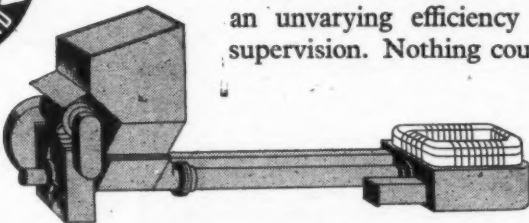
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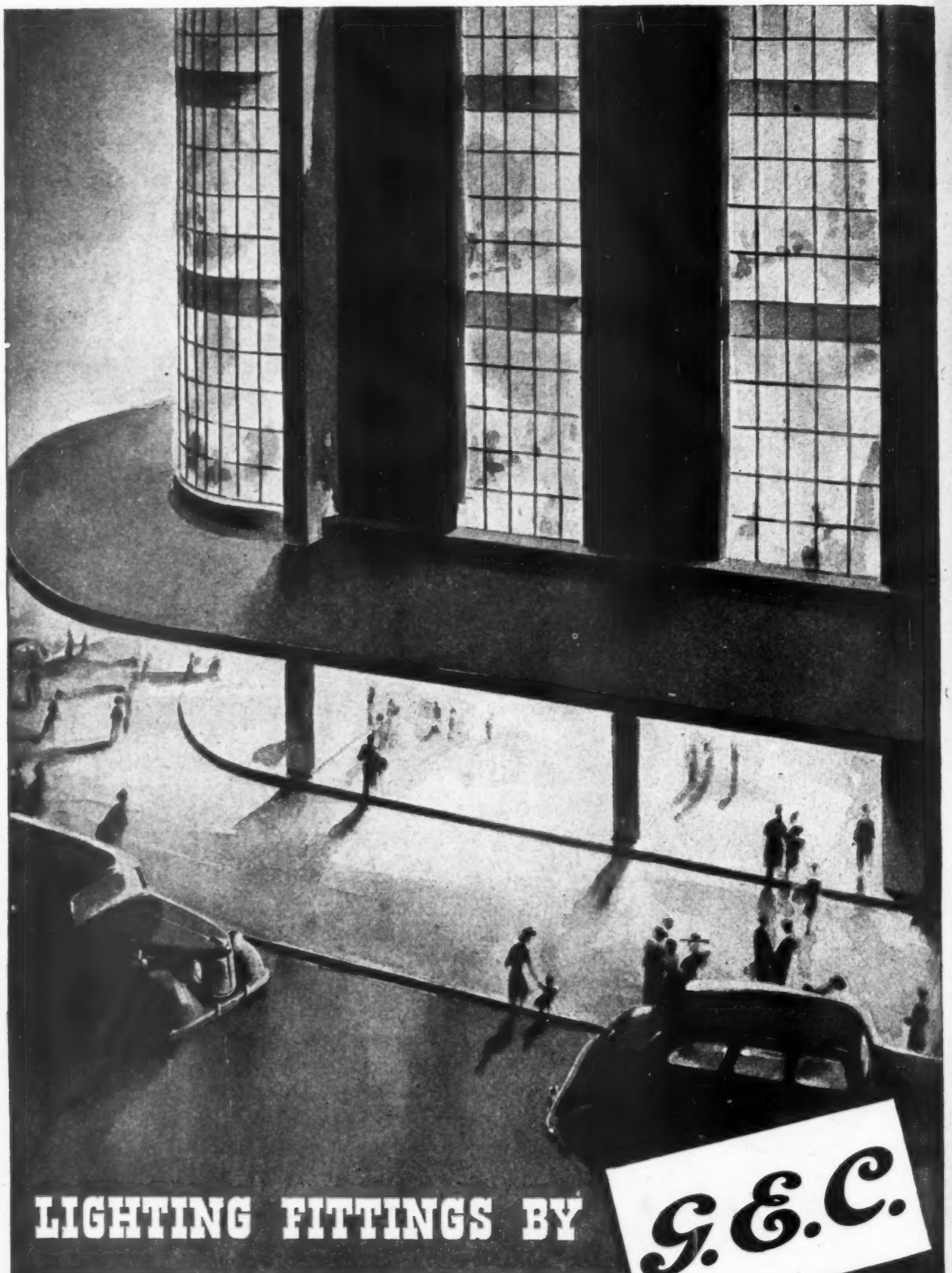
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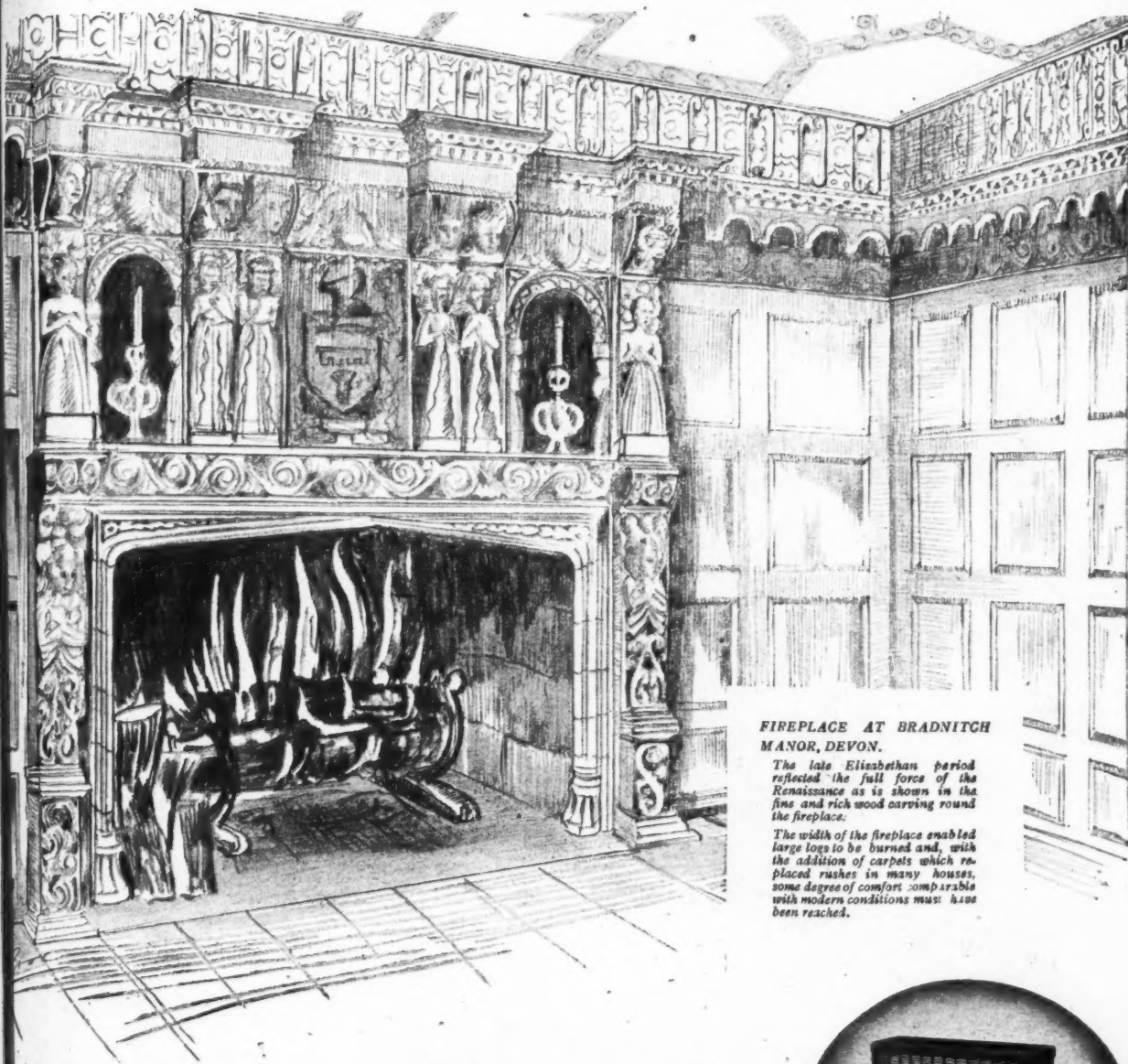


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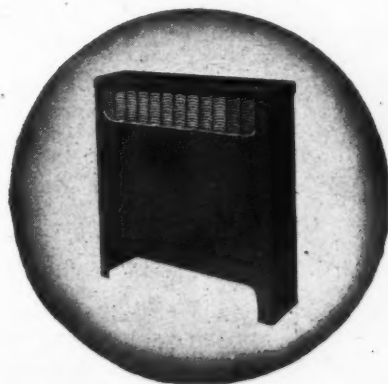
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The cost of the paints and varnishes which we manufacture depends not only on what we pay for raw materials etcetera, but also on the volume of work going through our factories. During the last year this volume has been small and prices high; to-day, although still very expensive, supplies of raw materials appear to be improving, we are putting new materials into production and we hope to make a little more paint each week during the next few months. From the point of view of profit we can easily sell all our goods at to-day's high prices, yet from the National point of view if everybody goes on trading entirely for profit, inflation must get worse and all our money become meaningless. Bluntly, the price of paint and painting has got to come down.

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We are also sending this request to our suppliers and asking them if they can make any reduction in their charges for raw materials: if they can reduce our costs then we undertake to pass such reductions on entirely to our customers. The Efril Organisation believes that co-operation on these lines is the only way to halt inflation and feels confident that it can rely upon your support, just as you can rely upon

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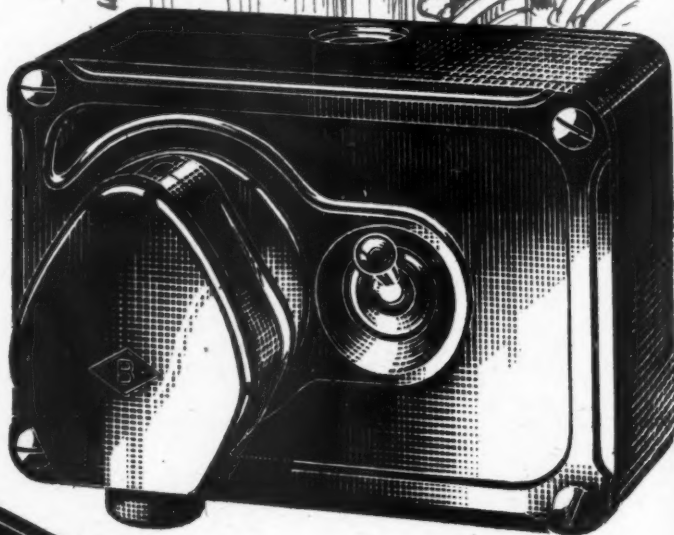
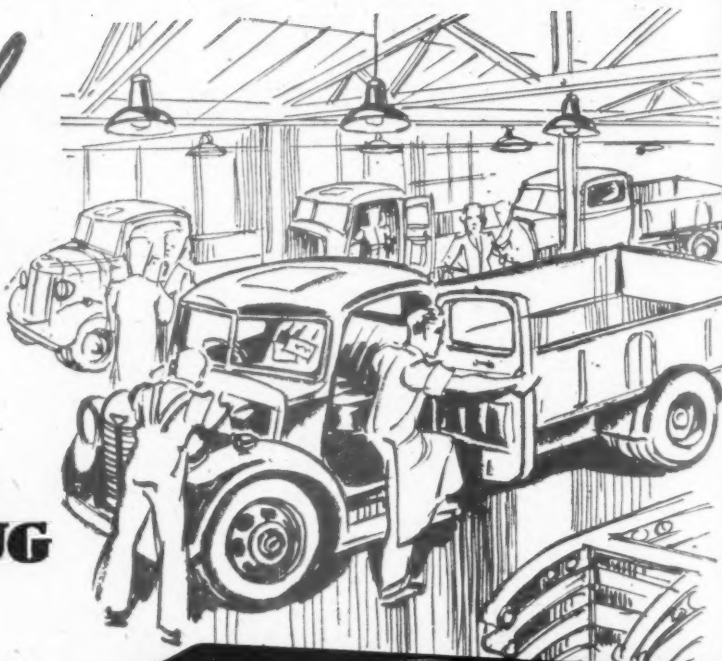
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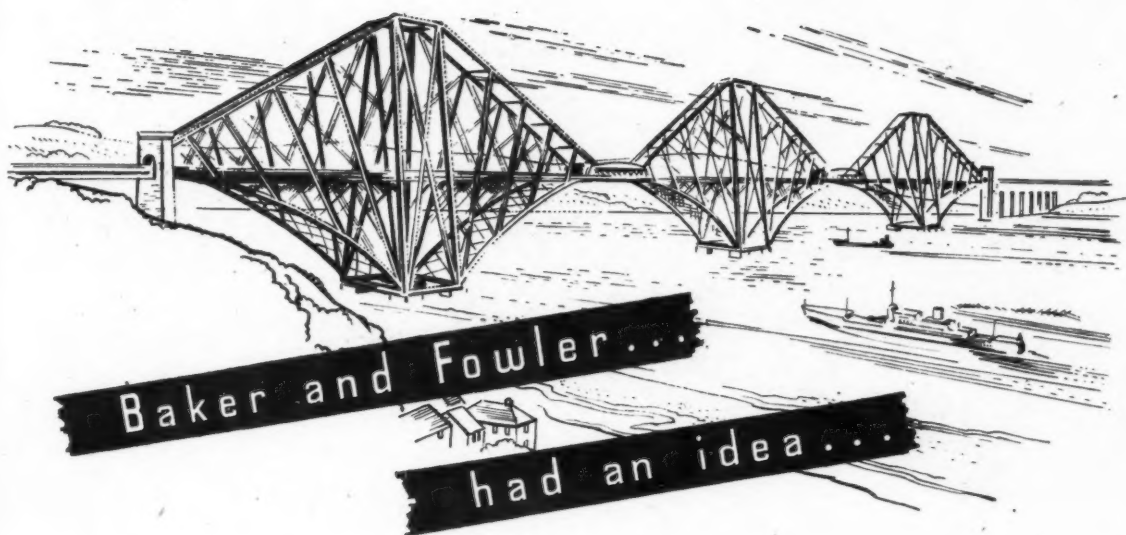
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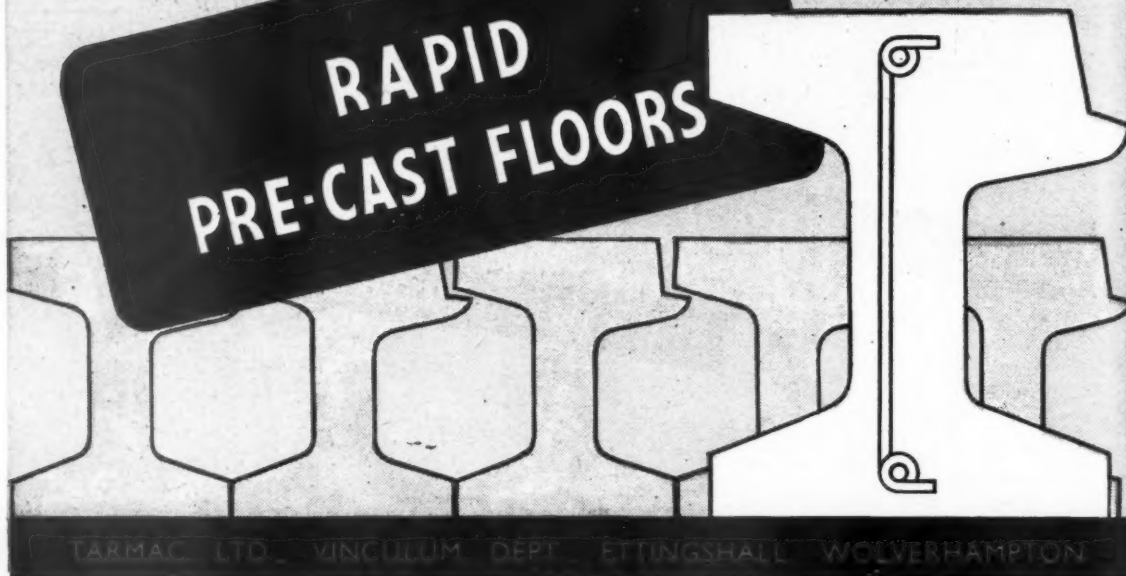
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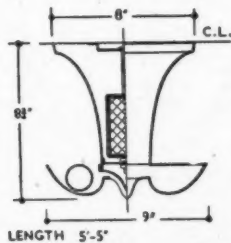
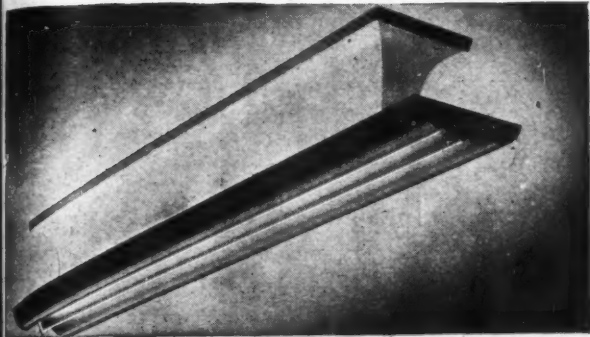


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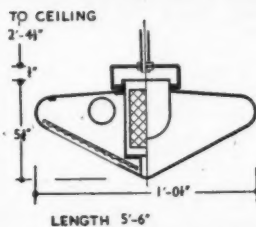
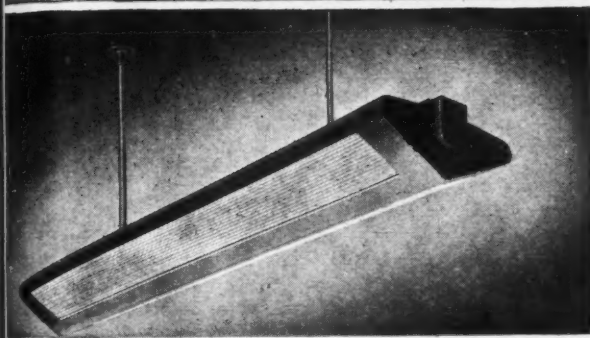
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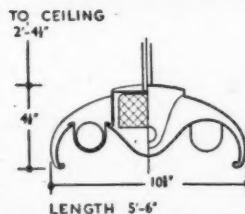
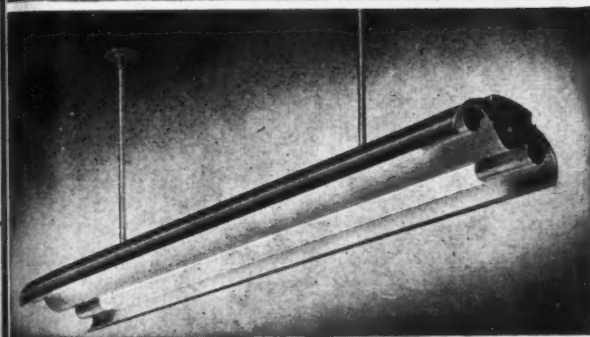
**T.1**  
**Finish:**  
 Stove — Enamelled  
 Off-White  
 Lamps: Two — 5ft 80W  
 Tubular Fluorescent  
 Registered Design  
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## TUBALUX



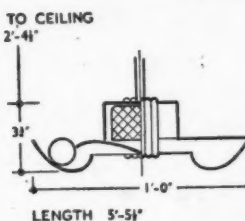
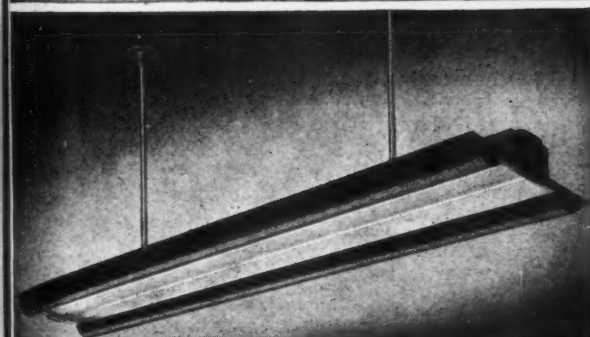
**T.2**  
**Finish:** Body Stove —  
 Enamelled Off-White.  
 End Pieces Duck Egg Blue,  
 Reeded and Clear Glass.  
 Chromium Suspension.  
 Lamps: Two — 5ft 80W  
 Tubular Fluorescent  
 Registered Design  
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**Finish:** Reflector Stove —  
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 End Pieces Duck Egg Blue.  
 Chromium End Studs.  
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**T.4**  
**Finish:**  
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## COMPANY MEETING.

**LONDON BRICK COMPANY****IMPROVED POSITION****SIR MALCOLM STEWART ON THE OUTLOOK**

The forty-seventh ordinary general meeting of the London Brick Company, Ltd., was held on 30th May, at Kingsway Hall, Kingsway, London, W.C., Sir P. Malcolm Stewart, Bt., O.B.E., Hon.L.L.D., D.L., Chairman and one of the managing directors, presiding.

The Chairman, in the course of his speech, said :

The profit on trading and income from various sources is up by £171,781 at £291,108 and this year does not include any dividend from the subsidiary company. As has been stated in the report of the directors, again no provision for depreciation has been provided. The directors do not recommend the payment of any further dividend in respect of the year ended 31st December, 1946.

The outstanding satisfactory feature of the profit and loss account for last year is the fact that adequate profits have been earned from trading to permit our paying to our stockholders a dividend of 12½ per cent. gross, which is 2½ per cent. more than that declared in the previous year, when to pay 10 per cent. we had to transfer £40,000 from contingencies account.

**THE STAGE OF CONVALESCENCE.**

Stockholders can congratulate themselves that their business has entered the stage of convalescence, although full recovery has yet to be achieved. The story of last year's struggle is one of persistent effort in the face of dire difficulties, largely the aftermath of a prolonged world war ; many of these difficulties were of a character which no industrial organisation, however powerful, could overcome. Nevertheless, we succeeded in more than attaining the forecast of production aimed at when I last addressed you.

We hoped, I stated, to produce a full day's shift output by the end of June. This was achieved and we had the gratification of at last getting out of the red and recording a margin of profit as production increased.

It was further stated by me that our ultimate objective was to get full day and night shifts running before the end of the year, but I doubted if this could be attained. Thanks, however, to the determined efforts of our works managers, of our production and engineering staff and to the co-operation of our employees we commenced running night shifts by the end of September, when the output was brought up to some 66 per cent. of capacity.

**NATIONAL SHORTAGE OF BRICKS.**

For these results the greatest credit is due to our management and employees who, despite all difficulties, have brought us along so well in the race to restore our efficiency. However, it is the last lap that offers the worst obstacles to be overcome and such is the scarcity of suitable labour, materials and stores for replacements and renewals that it is clear we shall have to be favoured with better circumstances than those prevailing today if we are, before the end of the year to get our production up to close on that of our full productive capacity. This is essential to meet the national shortage of bricks.

Let there be no misunderstanding. It is nothing less than full production, based on efficiency, which can once again not only fully restore the fortunes of our company but enable us to bear, without undue burden to our cost of production, the highest standard of conditions for our employees. These are our objectives, combined with a policy of lower prices to the consumer and improved returns to our stockholders. To achieve them, production must be pressed up to 100 per cent. of capacity

through the regaining of the highest efficiency. Thus, as in pre-war years, can we once again demonstrate that private enterprise can be mindful of and benefit the national interest.

**LABOUR PROBLEM.**

It is no exaggeration to state that conditions in the past year were fraught with utmost difficulties only surpassed by the record inclement weather experienced early this year. Our British labour today inclines slowly to decrease. Here I would emphasize that the adverse comments which have been made upon employment conditions in the brick industry generally, do not apply to this company, which has been among the pioneers in this country in such matters as welfare, holidays with pay, sports arrangements and profit sharing and pension schemes.

I need not enlarge upon the difficulties experienced—and still with us—of obtaining new machinery and the materials and skilled labour needed to re-condition our works, some of which have been idle for six years. The major repairs necessary to large numbers of our kilns have required the laying of many millions of bricks in face of a famine in bricklayers.

**PRODUCTIVE EFFICIENCY.**

The possession of our own extensive engineering resources at this time has been a most valuable asset. The strain upon our engineering division has been, and continues to be, heavy. Not only is it having to grapple with the immediate short-term problem of restoring our former productive capacity, but it must also devote itself to the longer range problem of an even higher degree of mechanisation.

**CURRENT YEAR'S PROSPECTS.**

You will expect me to make some forecast as to the trading prospects of the current year. The exceptional difficulties of 1946 were nothing compared with the early grim events of this year, so adverse in their consequence. Frost and snow isolated many works, floods stopped production at our largest claypit at Stewartby and these phenomenal difficulties were enhanced by shortage of fuel to keep our kilns running. Our only hope of recovery is to be favoured with helpful conditions from now onwards to the end of the year if we are to make good the earlier losses sustained.

If conditions improve and our present production again increases satisfactorily, then our trading results may possibly approximate those secured last year. But it must be borne in mind we are, unfortunately, faced with a grave shortage of labour due to the repatriation of German prisoners, this at a time when British labour is so scarce. These adverse factors militate against the obtaining of efficiency, as does the delay in procuring plant for maintenance and contemplated extensions.

Please realise I cannot today forecast trading profits equal to those earned last year, but I can assure you no effort will be spared to procure them and to restore the fortunes of your company which, thanks to its sound financial structure, has successfully weathered the storms of war and will once again establish its pre-eminent position in peace.

The report and accounts were adopted.





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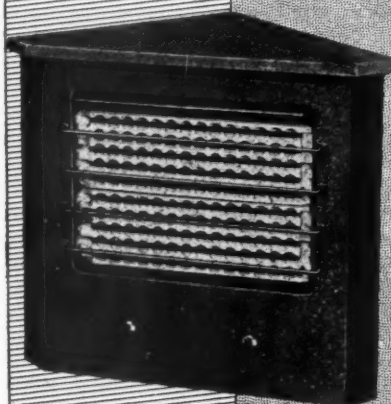
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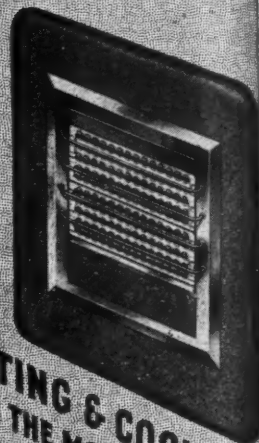
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Right: Wall Panel Fire

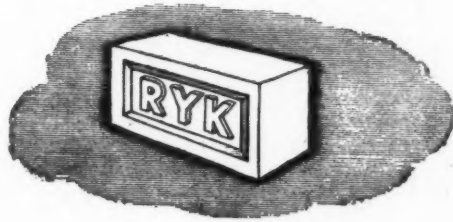


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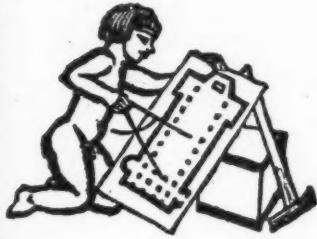
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## DIARY FOR JUNE JULY AND AUGUST

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.

**BIRMINGHAM:** *Light Alloys (Structural, Engineering, Decorative).* At Birmetals, Ltd., Woodgate Works, Birmingham 22. The object of this exhibition is to show, under one roof, every use to which Birmabright and contemporary light metals can be put in the building industry. (Sponsors: Birmetals, Ltd., in co-operation with designers and fabricators of the items exhibited.) JUNE

**DUBLIN.** *British Architects' Conference.* (Sponsor, RIBA.) UNTIL JUNE 14

**LEICESTER.** *Building Science Exhibition.* At the City Museum and Art Gallery. (Sponsors, Department of Scientific and Industrial Research.) JULY 7-19

**LONDON.** *The Rotar Service Hatch and Pantry Unit.* At the Building Centre, 9, Conduit Street, London, W.1. (Sponsors, The Tetbury Furniture Company.) JUNE

*Children in Stone.* An exhibition of sculpture. At 26, Conduit Street, W.1. (Sponsored by RBS.) UNTIL JUNE 20

*Czechoslovak Architecture.* At 66, Portland Place, W.1. An exhibition of historical, pre-war and current Czechoslovak architecture. (Sponsor, RIBA.) UNTIL JUNE 24

*London Brewers' Association Planning Exhibition.* Planning and distribution of public houses. At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, London Brewers Association.) JUNE 16-JULY 5

Dr. Marian E. A. Bowley. *Economic Aspects of Housing.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsors, HC.) Buffet lunch 12.45 p.m. Talk 1.15 p.m. JUNE 17

*Federation of Coated Macadam Industries Third Annual Luncheon.* At the Dorchester Hotel, Park Lane, W.1. (Sponsors: FCMI.) 12.30 p.m. for 1 p.m. JUNE 17

*Town Planning Institute General Meeting.* At Livingstone Hall, Broadway, Westminster, S.W.1. Address by Lewis Silkin, M.P., Minister of Town and Country Planning. (Sponsor, TPI.) 6 p.m. JUNE 19

Margaret Leona, National Union of Townswomen's Guilds. *Flashlights of Hull—Amateur Drama and Town Planning.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsors, HC.) Buffet lunch 12.45 p.m. Talk 1.15 p.m. JUNE 24

H. C. Harris, Technical Adviser to the Lead Industries Development Council. *Plumbing and Frost Protection.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) Buffet lunch 12.45 p.m. Talk 1.15 p.m. JULY 1

*Eleventh Public Works Roads and Transport Congress.* At Olympia, London. JULY 21 to 25

**MAIDSTONE.** J. M. Holt, of Messrs. Pilkington Brothers, Ltd. *Glass. Its Uses in Building.* At the Maidstone Technical Institute. (Sponsors, Maidstone Group, Tunbridge Wells Chapter of the South Eastern Society of Architects.) JUNE 18

**MANCHESTER.** *Building Science Exhibition.* At the Gas Showrooms. (Sponsor, Department of Scientific and Industrial Research.) JUNE 16-28

**READING.** *Town and Country Planning Summer School.* At Reading University. (Sponsor, Town Planning Institute.) JULY 16-23

**SOUTHAMPTON.** *Roads Exhibition.* In conjunction with the Southampton Borough Council Road Safety Week. (Sponsor, British Road Federation.) JUNE 16

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

## NEWS

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

★  
*At the Institution of Structural Engineers, the following Honorary OFFICERS AND MEMBERS OF THE COUNCIL were elected for the season 1947-1948.*  
President: F. S. Snow, M.I.C.E., M.I-Struct.E.; Vice-Presidents: H. H. Clapham, B.Sc., M.I-Struct.E., E. Granter, B.Sc., M.I.C.E., M.I-Struct.E., Lt.-Colonel E. J. Hamlin, D.Sc., M.I.C.E., F.S.I., M.I-Struct.E., G. M. McLaren, M.I-Struct.E., J. E. Swindlehurst, M.A., M.I.C.E., M.I-Struct.E., L. Scott White, M.I.C.E., M.I-Struct.E.; Honorary Treasurer: Leslie Turner, B.Sc., M.I.C.E., M.I-Struct.E.; Honorary Editor: W. H. Woodcock, F.C.S., M.I-Struct.E.; Honorary Secretary: S. B. Hamilton, M.Sc., A.M.I.C.E., M.I-Struct.E.; Honorary Librarian: A. G. Thompson, B.Sc., M.I-Struct.E.; Honorary Curator: W. C. Andrews, O.B.E., M.I.C.E., M.I-Struct.E.; Members of Council: J. Guthrie Brown, M.I.C.E., M.I-Struct.E., Lewis E. Kent, B.Sc., M.I.C.E., M.I-Struct.E., G. S. McDonald, M.I.C.E., M.I-Struct.E., J. Singleton-Green, M.Sc., A.M.I.Mech.E., M.I.Mech.E.; Associate-Members of Council: L. J. Griffiths, A.M.I-Struct.E., W. E. Thorowgood, M.A., A.M.I.C.E., A.M.I-Struct.E.

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*Secret*



## From AN ARCHITECT'S Commonplace Book

**THE TWILIGHT OF TOOTING.** [*From Tooting Corner, by Eric Bligh.*] Tooting, when I was a child, was still semi-pastoral, though it had crept nearer London since the days when Rawdon Crawley had been accustomed to send his washing there: "It was wonderful to see the pertinacity with which the washerwoman from Tooting brought the cart every Saturday and her bills in week after week." But in my own day, though I think the washing industry had travelled two or three miles to the flat windy district of Mitcham, hayfields came down to the long hedge where the little galloping trams from London stopped. Just opposite the tram-stop was a large white mansion with pillars called (but I think not quite correctly) the Manor House. From there the narrow High Street, refreshed by the Fox, the Angel, and the Castle, ran to the Broadway. Behind the right-hand of the High Street was one of those Surrey breweries whose disappearance one by one has as surely as anything else marked the decline of Surrey as a separate entity. The Broadway still retained vestiges of a Surrey village, for although there were shops, two or three private houses remained. One was a doctor's house, whose successive occupants were always on terms of working amity with my father's practice; there had, in fact, been formerly a partnership. Memory still survived of the screams of the lunatics over whom buckets of water used to be poured in another house, a notorious private asylum, which had vanished before our time. A large and beautiful Queen Anne mansion called Fairfield was still there, and next door to it lived Miss Lord, whose family connection with Tooting went back more than a century.

### *In a circular to Local Planning Authorities, the Minister of Town and Country Planning draws attention to the importance of maintaining the closest LIAISON WITH LOCAL DRAINAGE AUTHORITIES, regarding both land drainage and planning.*

In certain cases, for reasons not readily apparent, development in lowland areas or near watercourses may lead to flooding, which may damage property and be costly and difficult to remedy. On the other hand, drainage authorities may have plans for improvements in drainage, including the provision of new cuts or by-pass channels, which would be seriously prejudiced by development. A note for the guidance of planning authorities setting out ways in which development may affect drainage is given in the circular (HMSO, 1d.). There are many points on which drainage and planning authorities can help each other in formulating their plans for future works, and there is a need for regular exchange of information between the two sets of authorities. The Minister is anxious, therefore, that planning authorities should at an early stage consult the local drainage authorities in order to find out in which parts of their area development is likely to raise problems of drainage, and to work out an effective system of liaison in such cases. Planning authorities will probably know which drainage authority is responsible for their area; if in doubt they should consult the Rural Land Utilisation Officer of the Ministry of Agriculture and Fisheries.

★★

*The RIBA LIBRARY is now open an extra hour from Mondays to Fridays, i.e., from 10 a.m. to 7 p.m. Saturday opening remains as before, 10 a.m. to 5 p.m.*

*Dr. J. W. T. Walsh has been elected President of the ILLUMINATING ENGINEERING SOCIETY.*

Other officers elected are: Vice Presidents: J. M. Waldram, J. S. Preston, and Dr. E. C. Walton, Hon. Treasurer: J. C. Holmes, Hon. Secretary: H. C. Weston. Hon. Editor: Dr.

S. English. Dr. Walsh is Chairman of the National Illumination Committee of Gt. Britain and is a Principal Scientific Officer in the Light Division of the National Physical Laboratory. He is the author of several works on illumination and photometry. This is the first time that any member of the Society has twice been elected to the Presidential Chair.

### *The Council of the AA announces the award of the following SCHOLARSHIPS IN ARCHITECTURE at the AA SCHOOL OF ARCHITECTURE.*

Minter Open Entrance Scholarship (value £90), D. C. Clayton, of S. Kensington, London. Sir Walter Lawrence Open Entrance Scholarship (value £90), C. P. Sainsbury, of West Byfleet, Surrey. Metal Window Scholarship (presented by the British Metal Window Manufacturers' Association, Ltd.) (value £75 p.a.), J. M. Keable, of Sittingbourne, Kent. Natural Asphalte Council Scholarship (presented by the Natural Asphalte Mine-Owners and Manufacturers' Council) (value £50 p.a.), T. G. Bidwell, of St. John's Wood, London. Northern Aluminium Scholarship (presented by the Northern Aluminium Company) (value £50 p.a.), J. M. Broughton, of Ormskirk, Lancs. Patent Glazing Scholarship (presented by the Patent Glazing Conference) (value £50 p.a.), Miss Patricia Bowden, of Watford, Herts.



*Dutch Town Planners visit London: Left to right; Dr. F. Bakker Schut, Director of the Government Service of National Planning; Mr. W. M. Dudok, Architect and Town Planner; Mr. R. H. Matthew, Architect to the LCC explaining a model of Stepney and Poplar; Mr. J. Vink, Chief of the Public Works and Housing Section at the Town Clerk's office at Utrecht; Mr. C. van Traa, Director of Town Planning at Rotterdam; Mr. Roos, Chief Engineer Housing Section, Ministry of Public Works. See AJ June 5.*



## AER LINGUS

A corner of Dublin Airport, headquarters of Aer Lingus the Irish air line, which many architects who are attending the RIBA Conference in Dublin this week will visit. The terminal buildings have been designed by Desmond Fitzgerald. Further illustrations and a description of the buildings will be found on pages 497-9.

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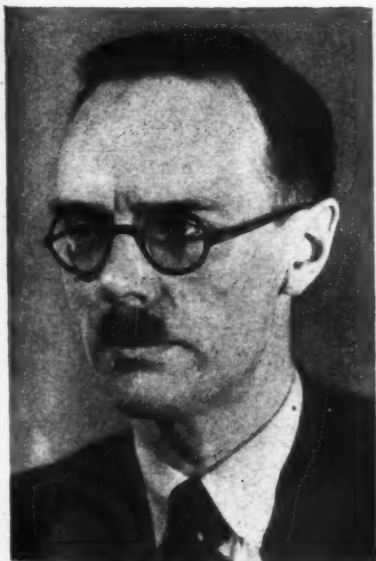
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*The GWR is to build a NEW HOTEL AT SWANSEA as soon as circumstances permit and a suitable site agreed with the Town Authorities.*

Having six floors, with 60 per cent. of the bedrooms and public rooms facing south or south-west with views over Swansea Bay, the hotel will accommodate 171 resident guests in single or double rooms, each with separate bathroom, toilet and hot and cold running water. On the ground floor will be a spacious reception hall; tea lounge seating 115, bar lounge accommodating 150, saloon bar, barber's shop and cloak rooms, and a row of shops facing on to the roadway. On the first floor will be a restaurant, seating 190; dance floor for 60 couples and private dining rooms overlooking the Bay, a lounge, drawing room and ante room opening on to a terrace verandah, with extensive views towards the Mumbles, and a billiard room and cocktail bar. Bedroom accommodation will be on the second, third and fourth floors. Each floor will have 43 single and 7 double rooms, and there will be a staff hostel on the fifth floor.

*Mr. Douglas L. Dick, F.R.I.B.A., has been appointed EXHIBITIONS ARCHITECT TO ASSOCIATED NEWSPAPERS LTD. He succeeds Mr. Ian Jeffcott, L.R.I.B.A., R.D.I., who has resigned to resume private practice.*

Mr. Douglas Dick was deputy to Mr. Jeffcott as architect for the Ideal Home Exhibition this year. Forty-two years old, he joined the *Daily Mail* exhibition staff in September last. Before the war, as Senior Assistant Architect, he designed for Poplar Borough Council £750,000 worth of work, covering nearly the whole range of municipal building. Mr. Dick took his RIBA Fellowship examination after demobilisation in 1945 and was elected a fellow in July, 1946. He is now engaged on the plans for the 1948 *Daily Mail* Ideal Home Exhibition.



*Mr. Douglas L. Dick, F.R.I.B.A., who has been appointed Exhibitions Architect to Associated Newspapers Ltd.*

## DUBLIN THEMES

THE Annual Conference of a professional body is generally, and, no doubt, is intended to be, a social occasion.

Architects and their wives will be able to meet each other in Dublin in a beautiful, and to some an unknown city, in an atmosphere from which some of the austerities too familiar at home have been lifted. Banquets and receptions will give enjoyment to many and informal discussions and gatherings will give opportunities for stimulating discourse and the exchange of experiences.

However, at all such conferences formal sessions are held and papers are read, though they may be the excuse and not the reason for the conference. The RIBA Conference is no exception. Two papers are to be delivered, one on *Recent Trends in Hospital Design* and the other on *Modern School Buildings*.

The Institute has shown its wisdom in selecting these two subjects for two reasons, applicable to both. First, that for some years to come the obligations of local authorities will require them to provide clinics, hospitals and health centres and schools of all types in large numbers, and thus these buildings will form a major part of the work of many architects. Second, that in both these classes of building there is need for a new approach to the problems, in the latter possibly less urgently than in the former.

In the field of hospital design Great Britain was pre-eminent twenty-five years ago, and designs by our architects were eagerly studied abroad. That is no longer the case to-day. Both in the continent of Europe and in the Americas, hospital planning and the approach to hospital design has caught us up and has surpassed our achievements. Moreover, in Scandinavia and in America, many new types of health facilities—similar in some respects to those now required in the new Health Bill—have been studied and developed. Here is an urgent task. The work of foreign architects and specialists is, however, not adequate to the tasks of architects here at home. There is still a tendency to set the medical and surgical specialist at the centre of the problem instead of the patient. From this stems the institutional character of too many hospitals. This does not of course mean that our hospitals should look like Georgian country houses, but that a human approach should take the place of a technological one. With the great opportunities offered, British architects can again, if they dare to lose their self-conscious timidity, serve the people and make a significant architectural contribution.

Turning to the problem of buildings for education, the opportunities are equally wide; though the emergency of the present need is perhaps preventing the realisation of all the inherent possibilities. At the same time, some local authorities have, by appointing able architects with imaginative skill made possible some development of school design. Such work is still, however, the exception. The majority of the new schools, though an advance from the parish school and the



elementary schools of the first quarter of the century, are unsatisfactory as the background for a liberal education. This is the responsibility of the architect. The exceptions show that all schools could be delightful and even exciting places, but, alas, how few are these exceptions. There exists also the danger that even the best may become stereotyped, especially in these days of austerity where every advance is made at heavy cost to the architect. It would be sad if some of the designers of our contemporary schools became mere specialists. These papers at Dublin, then, can give a great stimulus to the profession, and they will be read with critical eagerness by those architects who are unable to make the voyage.



*The Architects' Journal*

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

Phone: Whitehall 0611

N O T E S

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T O P I C S

#### TURKISH DELIGHT

Turkish delight has been caused in Istanbul over prefabs. Under ancient Turkish law — according to those Ottoman experts, the Kemsley press — if a house can be constructed upon unclaimed land within a single night the builder or owner has a right to remain there. In these days such an operation is money for old rope, and 2,000 prefabs have so far qualified for the privileges to which their speed of erection entitles them. The Istanbul city council has vainly petitioned the courts for removal of the houses and the waiving of the law, and there for the present the matter — and the 2,000 houses — rest.

#### I SAY, UHLMANN, JOLLY GOOD SHOW

"The Welsh," said Dr. Fagan in *Decline and Fall*, "are the only people in the world that has produced no graphic or plastic art, no architecture, no drama. They just sing and blow down instruments of plated silver. They are deceitful and depraved," he continued. "Lust and Nonconformity stalk hand-in-hand through their country, wasting and ravaging."

Dr. Fagan had clearly never heard of Mr. Williams-Ellis, who for twenty or more years has been the most enthusiastic publicity agent for North Wales. Clough luck indeed, for Snowdonia, which in recent years has become a Shangri-la for artists and authors. Mr. Geoffrey Grigson searches its crags for lichens, Mr. John Piper paints its rocks, Mr. Walter Goetz its cottages. From behind the slag-tips of Blaenau Mr. Arthur Koestler dispenses novels and essays. It is said that the Editor of the *Architectural Review* stalks Sharawadgi through the foothills behind Cricceith.

Latest recruit is Mr. Fred Uhlmann, the painter, one of whose drawings is reproduced below from his book *An*

*Artist in North Wales* (Paul Elek, 6s. 6d. net.). In a short preface the artist disarmed the critic who might complain that his drawings — the penny plains, incidentally, are more successful than the tuppence coloureds — are untitled. "I have given up," he writes, "any pretence of factual resemblance." So don't expect to find among his drawings detailed portraits of your favourite peak or waterfall, though you will find, I suspect, that the spirit of intimate grandeur which is peculiar to Wales is all the more moving when seen through eyes which are foreign as well as sensitive.

Mr. Williams-Ellis contributes a rattling commentary full of facts and quotations, the illustrations are spirited and evocative, the production clear and direct.

Good show, Uhlmann!

#### SINISTER STREET BY GASLIGHT

I knew—or thought I knew—three things about gas (apart from the parties given by Ascot). First, that the large round containers you see around are called gasometers; second, that these are always liable to explode like paper bags; third, that gas fires dry the atmosphere. I now learn from Mr. Compton Mackenzie, the highly unexpected author of that book about gas, *The Vital Flame* (Frederick Muller, 12s. 6d. net.), that all these are popular misconceptions. The correct name for gasometers is gasholders, they never explode, and gas fires actually moisten the atmosphere. (You can tell your landlady to throw away that saucer of water.)

Warming to his subject—which is a history of the gas industry and



*A drawing by Fred Uhlmann from An Artist in North Wales (Published by Paul Elek). See Astragal's note above.*



a record of its achievements—Mr. Mackenzie informs us, among a myriad other facts, that the boiler in No. 10 Downing Street is gas-fired, that Whitehall is gas-lit, that Mr. Gladstone described food cooked by gas as "not unsavoury," and that William Murdoch, the Ayrshire-born inventor of gas-lighting, got his first job on the strength of his new wooden hat which he had turned himself upon his own lathe. The story of gas, which reads, thanks to Mr. Mackenzie, more entertainingly than you might expect, is illustrated with about fifty photographs—some of them in colour—whose subjects range from Liverpool Cathedral to ripening bananas, from Kensal House (names of architects in next edition, please) to parachutes, and from refrigerators to salad bowls in an annealing furnace.

## THE STONES OF CANTERBURY

Wandering into the London Group exhibition at the RBA galleries the other day I noticed the painting by William Townsend of Canterbury Cathedral. It is interesting to compare Mr. Townsend's new vision with the picture reproduced in this column in September, 1933. Fourteen years have greatly changed the painter's approach though apparently not his affection for his subject. The earlier picture was a linear pattern of architectural shapes, the latest shows a greatly developed interest in the architectural spaces. The contrast between the firm geometrical shapes of the square-cut Norman architecture and the delicate and ambiguous shapes of the tombs and traceried screens makes an exciting subject.

ASTRAGAL.



A view from the triforium gallery of the north transept of Canterbury Cathedral, from a painting by William Townsend at the London Group Exhibition. See Astragal's note above.



## LETTERS

W. J. Gibbins,

(General Secretary, Institute of Clerks of Works of Great Britain Incorporated)

Jean M. Hardy,

(Hon. Secretary, ABT Coventry and District Branch)

## Clerk of Works' Change of Name

SIR,—May I be allowed to draw the attention of your readers to the change of name of the Incorporated Clerks of Works Association of Great Britain which was founded in 1882 and incorporated in 1903.

It will in future be known by the registered name of the Institute of Clerks of Works of Great Britain Incorporated.

For many years we have done what we could to raise the status of Clerks of Works by publishing a monthly Journal, holding lectures, visiting works and, since 1936, holding examinations. We have felt that the name Institute is more appropriate than Association in indicating the scope of our work as an incorporated society connected with a highly technical, and ancient, occupation. Hence the change now notified.

W. J. GIBBINS,

General Secretary,  
Institute of Clerks of Works  
of Great Britain Incorporated.

London

## Coventry Cathedral

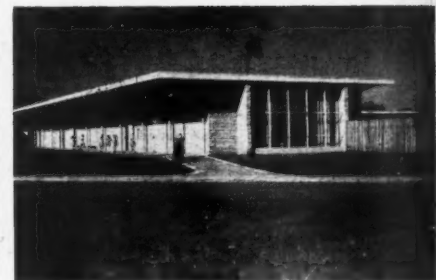
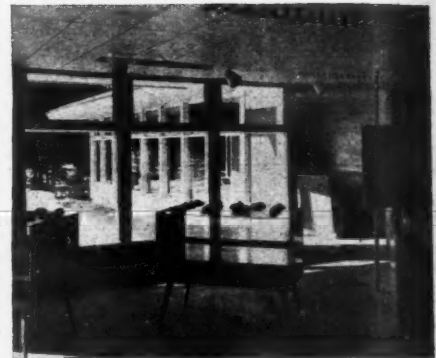
SIR.—Considerable concern has been felt by this Branch of the Association of Building Technicians, due to a number of recommendations and resolutions which have been put forward by various bodies in connection with the proposed rebuilding of Coventry Cathedral.

Members are particularly concerned by the report in your Journal (May 1) of a public meeting held in Coventry with Sir Alfred Herbert in the chair, which passed a resolution that Coventry Cathedral be rebuilt on its present site and in conformity with the previous design. I have been requested to bring to your notice that at that meeting considerable opposition to the resolution was voiced, and a request for votes to be counted was refused.

The Association of Building Technicians is affiliated to the TUC, and is a representative group of salaried building technicians. Amongst its members are town planners, architects, clerks of works, engineers, surveyors, draughtsmen and other technicians to whom the rebuilding of the cathedral is of vital interest.

The general meeting of the branch held on April 21, 1947, with Mr. E. W. Monaghan in the chair, was devoted almost entirely to the consideration of the problem involved in the rebuilding of the Cathedral

## U S A    A R C H I T E C T U R A L    A W A R D S



Last year the USA architectural monthly, *Progressive Architecture* (Pencil Points), held a competition open to all architects for (1) the building or group of buildings (not a private residence) and (2) the private residence constructed during the year in the United States, which best exemplified sound progress in design. The awards are intended to foster sincere, reasoned progress in architectural design in the USA by citation and recognition of those architects whose efforts to improve contemporary standards were judged the most successful. The awards, given at a presentation dinner held last month, consisted of plaques, the winners being selected by a jury consisting of W. W. Wurster (Chairman), Eliel Saarinen, Dr. C. E. A. Winslow, M. Ketchum Junr., F. N. Severud, Kenneth Reid, and T. H. Creighton. The winners in Group (1) were E. H. and M. K. Hunter for the Dewey Retail Shop, Quechee, Vermont, for the sale of wood products, designed with a restaurant and lounge as a meeting place for tourists and skiers (centre right) and E. J. Kump, architect, and Mark Falk, engineer, for White Oaks Elementary School, San Carlos, California (bottom right). Winners in Group (2) were Gordon Drake for his own house at Los Angeles (left) and Kenneth Lind for his production line structure system designed for the California Cabin Co. (top right). This system is particularly suitable for warm climates, the cost of a basic unit house being about 3,500 dollars.

Centre. At the meeting, the following resolution, which has since been sent to the Cathedral Commission, was formed, and passed unanimously:—

"That the suggestion made that 'the Cathedral be rebuilt on the present site, and as nearly as possible in conformity with its previous design,' be not entertained, and that any building of whatever form should be contemporary in spirit.

"That the surest means of attaining the best design would be by open competition amongst architects, preferably of many nationalities:

"That the proposed Ecclesiastical Centre should be of a character which is in sympathy with the advanced proposals of those

responsible for the general planning of the city, who should be consulted before a final decision is reached.

"That the idea of a Christian Centre of Unity should be the crux of the scheme, and that buildings to give effect to this idea should be built before any others as a basis out of which a living spiritual growth might freely occur."

It was agreed that supplementary to the above resolution the suggestion be made to those most intimately concerned in deciding the form and purpose of any new building, that:—

1. The tower be retained because of its situation and associations.

2. The south wall and the apse be

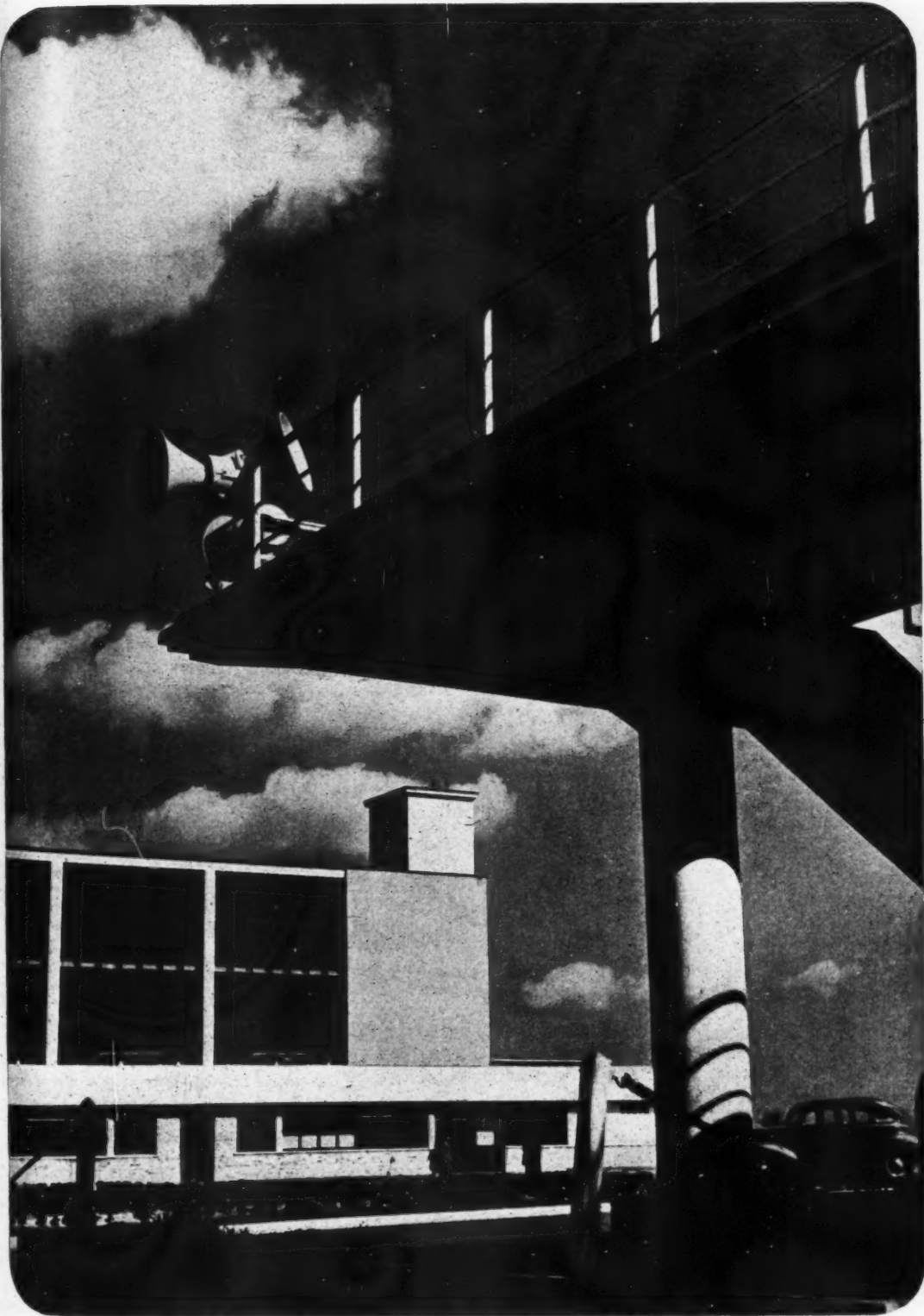
retained in their ruined form as a permanent memorial to those who lost their lives in this City, and elsewhere, at home, and abroad, during the second World War.

3. That alongside the South Wall might be created a Garden of Remembrance.

It was also suggested by members of the Branch that the Cathedral Commission might be agreeable to the presence of two Branch representatives at the time when the resolution is being considered, in order that any queries concerning the resolution might be answered.

JEAN M. HARDY,  
Hon. Secretary,  
ABT Coventry and District Branch,  
Coventry.

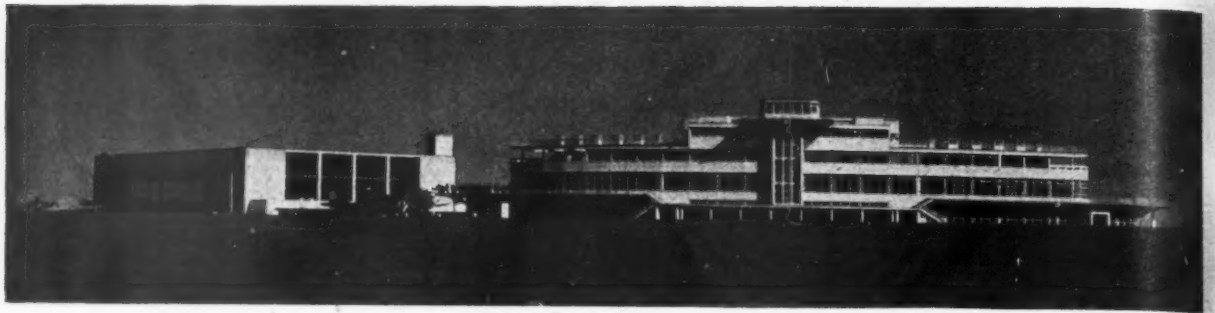
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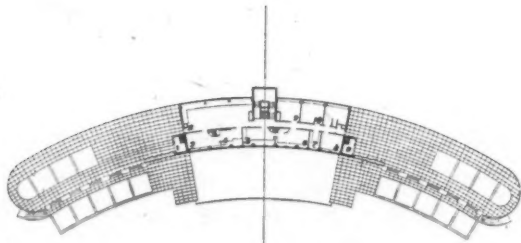
# DUBLIN AIRPORT

DESIGNED BY DESMOND FITZGERALD



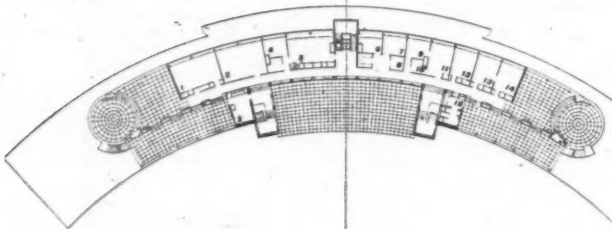


The airport from the landing ground.  
Below, plans of the airport building.



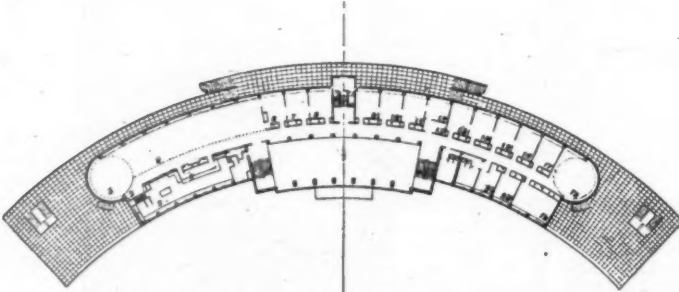
### THIRD FLOOR

- 1, balloon filling. 2, aviation forecast.
- 3, general forecast. 4, met. communications.
- 5, general radio. 6, landlines.
- 7, batteries. 8, rest room. 9, store.
- 10, radio officer.



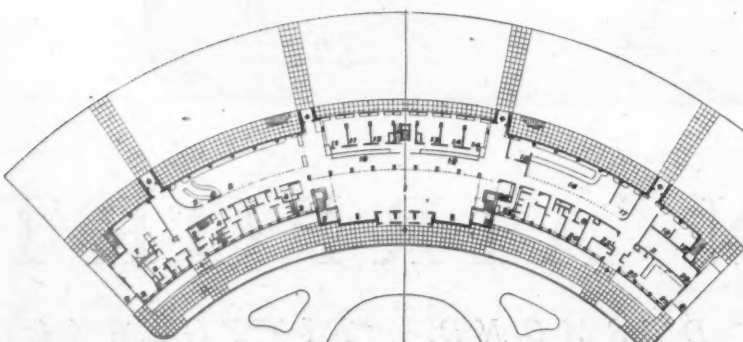
### SECOND FLOOR

- 1, met. officers' study. 2, met. library.
- 3, staff dining. 4, resident forecaster.
- 5, analysis. 6, daily weather reports.
- 7, litho. 8, dispatch. 9, officer in charge.
- 10, waiting. 11, general office. 12, met. instrument room.
- 13, pilot's room. 14, crew's room. 15, pilots' dressing room.



### FIRST FLOOR

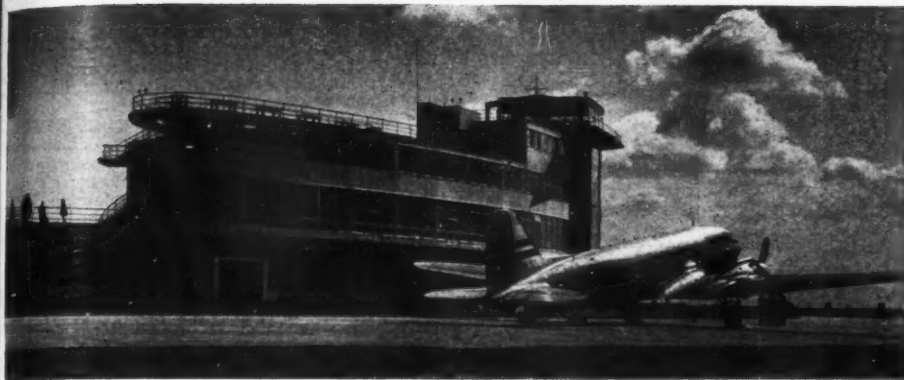
- 1, upper part of concourse. 2, kitchen.
- 3, bandstand. 4, servery. 5, restaurant.
- 6, restaurant manager. 7, publicity and advertising.
- 8, chief accountant. 9, operations manager.
- 10, technical library. 11, chief engineer.
- 12, secretaries. 13, waiting. 14, airport manager.
- 15, general manager. 16, C.D. secretary. 17, chairman.
- 18, conference room. 19, accountant's staff. 20, typists. 21, rest room.



### GROUND FLOOR

- 1, concourse. 2, store. 3, bank. 4, servery.
- 5, lounge. 6, bar. 7, aero-club lounge.
- 8, dressing room. 9, loading platform.
- 10, booking. 11, C.D. office. 12, duty office.
- 13, air police. 14, C.D. office. 15, customs office.
- 16, customs exam. hall. 17, incoming passenger exam.
- 18, customs official. 19, customs bond.
- 20, freight in. 21, mails. 22, mails staff.
- 23, telephone exchange. 24, medical officer.
- 25, phone exchange. 26, post office.





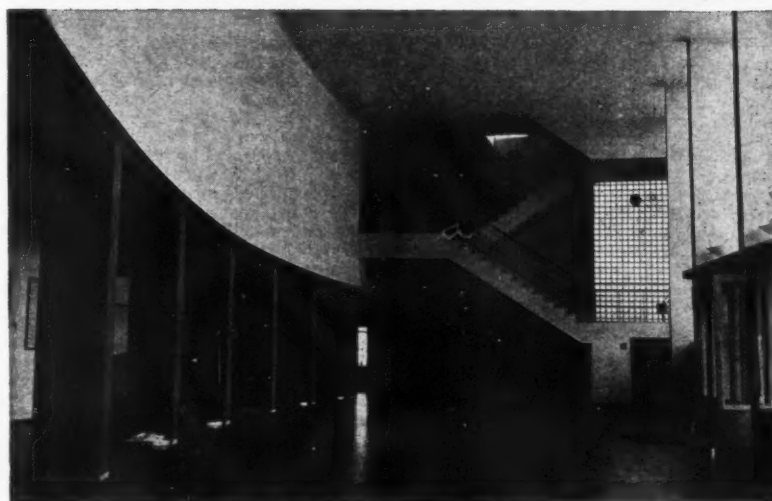
Above, the west façade facing the runways. Below : top, the west front ; bottom, the main concourse.

Dublin Airport was planned ten years ago ; construction began in 1938, and was completed in 1940. It was built by the Eire Government as a national airport serving both internal and external routes, and is at Collinstown, a plateau above the fog-belt and about six miles north of Dublin. It is close to the main Dublin-Belfast road, and the centre of the City can be reached by car in 20 minutes.

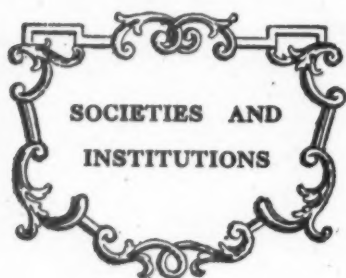
The buildings occupy the blind wedge between runways on the main road side. The terminal building is at the apex of the wedge and therefore near the centre of the field. The two hangars, parallel to the intersecting runways, are connected by a curved apron, the terminal building taking the same curve.

The structure is a reinforced concrete frame on ninety columns in three concentric arcs. Floors and roofs are of T-beam construction. Outer walls are 6 in. concrete. A cavity and "fluid" internal wall allows for radiator and other recesses. Roofs are covered in asphalt with concrete paving. Services are carried in vertical ducts, in horizontal spine ducts on each floor, and between floor ribs.

Drainage is all internal. Heating is by low pressure hot water with radiators and wall panels.



## DUBLIN AIRPORT



*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.*

## TPI

# Country Meeting

May 29 to 31.—Twenty-first Annual Country Meeting of the TOWN PLANNING INSTITUTE at Torquay. Four papers were read: Harold Gayton, City Planning Officer, Exeter, *Administration under the 1947 Bill by County Borough Councils and Joint Boards*; E. L. Higgins, County Planning Officer, Gloucestershire, *County Councils and Planning*; Desmond Heap, Deputy Town Clerk, Leeds, *Development and Redevelopment under the Town and Country Planning Bill, 1947*; and the *Town and Country Planning Act, 1944*. J. Paton Watson, City Engineer and Surveyor, Plymouth, *Planning Problems applied to Reconstruction*.

**Harold Gayton:** It is proposed in the Planning Bill that Local Planning Authorities shall be the County Councils and County Borough Councils or a combination of two or more of these into a Joint Planning Board. This means a reduction in numbers from 1,441 to a maximum of 145, and while welcoming this provision it does present one of the difficulties to be faced, that of staff. In many cases officers of planning authorities are part-time officers and as such are not available for transfer to the new authority, and this fact, coupled with the dearth of planners qualified by experience as well as by examination, will, it is feared, prove a serious handicap to the preparatory work now demanded.

The planning authority is to carry out a survey and submit it and a development plan based on that survey to the Minister for approval. The survey, as indicated by the Minister in his Second Reading speech, is intended to provide the fullest information of the area and involves many professions

other than that of planning. This is a reasonable provision, but again the planning authority, unless it is very fortunately situated, will be seriously handicapped by lack of trained staff to carry out the survey and to prepare the development plan. The limited period of three years provided in the Bill, in which the plan must be submitted, will, it is hoped, act as a spur and not a curb, and the Minister should grant extensions of this period only in cases of extreme difficulty.

## CONTROL OF DEVELOPMENT

The administration of planning control will remain in the hands of the County Boroughs and will operate in a similar manner to the present system of Interim Development control, but as the development plan when approved is only a framework, the control will continue after approval of the plan. The general inference is that in future permission must be obtained for any development of land and a much wider interpretation of the word "development" is now given. The third schedule lists the classes of development for which, if permission is refused, compensation is payable. The Minister will make development orders which may grant permission for particular development or classes of development, but the permission so granted will still enable the planning authority to approve the design or external appearance of a building. Clause 12 enables a planning authority to impose conditions on any land not the subject of an application under the control of the applicant and also continues the right to grant permission for a limited period. This latter power is most important and will enable the planning authority to encourage the rebuilding and rehabilitation of blitzed areas. This Clause enables the Minister to require the planning authority to furnish information as to applications for development and the manner in which they have been dealt with.

Regulations may be made by the Board of Trade as to permission for industrial buildings and it is essential that such regulations be made at an early date having regard to the vital need to restore industry to its fullest capacity.

## PRESERVATION OF AMENITIES

The powers for the preservation of trees and woodlands should be put into operation immediately and I would suggest that, in the interim period until such time as a proper survey can be made, permission must be obtained to interfere with any tree over a certain size. With regard to the preservation of buildings of architectural and historic interest, a local planning authority may make preservation orders, but in areas where there is no local body prepared to make a list of buildings which should be preserved, the local planning authority should be permitted to prepare it, a right not specifically given to them in the Bill. The long awaited powers of control over outdoor advertisements are given by Clauses 28 and 29 and regulations to be made, the contents of which are listed. No one except the most ardent desires the complete abolition of all outdoor advertising, but it is a case in which little or no control has been possible. Powers are given to remove existing advertisements, in the interests of amenity, subject to the payment of compensation.

Development carried out by local authorities and statutory undertakings if receiving approval by the appropriate Government Department will automatically receive planning permission.

Compensation payable under this Section except that paid in respect of a "purchase notice," will attract grant on the capital sum up to a maximum of 60 per cent. In order that local authorities may make the best use of the powers in this part of the Bill grants should be kept as near to the maximum figure as possible for an authority whose percentage is reduced to, say, 20 per cent. will be reluctant to exercise its powers.

## ACQUISITION OF LAND

It is probably true to say that never have such wide powers of compulsory acquisition been given to local authorities and Government Departments. The most important new power of acquisition is that authorizing the purchase of land to secure its use in the manner proposed by the plan. This will be particularly useful in urban areas where development has proceeded in the cheapest areas leaving large areas undeveloped and so creating a socially unhealthy urban structure. There are many purposes for which such land may be acquired, among them the power of a local authority to introduce housing of different types into a predominantly one class neighbourhood.

In addition to acquisition it enables local authorities to appropriate land already held by them as an open space for other purposes in accord with the development plan, but this appropriation can only be effected by an Order confirmed by the Minister.

**Eric L. Higgins:** Under the new Planning Bill the county councils and county borough councils will be the local planning authorities responsible, not only for the preparation of plans for the development of their areas, but also for the administration of interim development.

The advantages of the new administration are likely to be considerable. The fewer authorities entrusted with the work under the new Act should enable a more economic use of those best qualified and experienced in town and country planning and should result, after a period of settling down, in less competition between planning authorities with regard to staff. The county boroughs will already have their own planning staffs. Much of the new staff which will be required by the county councils will be drawn from the present local authority and joint committee areas whose work they will be taking over.

A further advantage is that the county council, being made up of representatives of various kinds of local government, will be in a position to regard their planning work with, perhaps, a broader outlook than would an individual local authority. In the planning of a county the interests of the particular districts would be taken in relation to the interests of the remainder of the districts in that county.

There are likely to be a number of different ways in which the administration of the new Act is carried out. The differing circumstances in the different countries are not likely to permit of a satisfactory method which could be applied throughout the whole country. The counties at present vary very much in size, population and rateable value, though this is a point which may be levelled out to some extent after the Boundary Commission has had time to bring its decisions into effect. Even then there will be considerable differences throughout the country calling for different methods of administration. Some councils may favour direct administration from a central planning office, where the development applications will be submitted. Provided the county is not too large and the departmental offices are fairly centrally situated this may prove to be a very satisfactory arrangement. In larger areas, it may be advisable to split the county up into areas which will be determined, perhaps, by physical barriers or boundaries between differing forms of development. If these are situated at some distance from the county town, it may be necessary to establish local offices, something on the lines of the divisional offices of most county surveyors' departments. This will enable the planning officer in charge of each area to keep in very close contact with people in the area he is planning, and is likely to assist developers considerably in getting in contact with the local planning office. It will, however, call for the

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employment of a planner of considerable experience in both the technical and the administrative work of a planning department in each of the areas concerned.

Whatever arrangement is made for the planning of the various counties, one important essential which must not be lost sight of is the need for co-operation with local authorities and other bodies concerned. Another is the best means of utilising work which has been done in the past.

#### AVOIDANCE OF DELAY

Whether interim development powers are delegated or not, the method of dealing with interim development applications will have to be determined, bearing in mind the need for avoiding delay. It would not encourage quick dealing with applications if the decisions of the planning committees in relation to interim development have to be submitted to the county councils for approval before becoming effective. The planning committee will, therefore, have to be given plenary powers so that their decisions can be communicated to the applicants as soon as possible and without having to wait for confirmation.

The inclusion of ribbon development control under the new Act will overcome one considerable difficulty from the point of view of the developer, who is often unaware of the effect of local government upon his own life and interests.

There is, however, still the question of separate byelaw approval to be taken into consideration. Many people are aware that they have to submit plans to the local authority in connection with any building which they may wish to erect. Having received byelaw approval, they assume that they are free to carry on with their project. The fact that so many byelaw approvals bear a notice to the effect that the approval does not include approval under the planning acts does not convince them.

Legislation should be brought into operation to ensure that byelaws and planning control are not dealt with in isolation. It should not be permissible to issue byelaw approval in respect of an application which does not conform to planning requirements and vice versa.

Interim development control will be one of the everyday problems confronting the planning authorities, but its importance and the pressing need for early decisions upon applications must not be allowed to retard or fog the main issue, which is the production of a sound development plan. Before the development plan can be produced, we must first have a clear idea of what we are planning for. This can only be done after a thorough survey of conditions as they were and are now, so as to assess properly the trends of development. Knowledge of physical facts must include knowledge of local resources. A comprehensive survey is, therefore, the first necessity, but the survey should indicate answers to the problems which the planning authorities will have to solve. The survey work will probably take up a considerable time and it will therefore behove everyone to take advantage of any facility for obtaining the information required. The Ministry of Town and Country Planning have had research officers in most of the regions for some time and they should be contacted at the outset so as to obviate repetition of inquiry. Next, the universities may be approached. Many have research departments, which have already done a considerable amount of work of advantage to the planning authorities.

In addition to the help which may be obtained from the universities, help may also be obtained from such bodies as parish councils' associations and women's institutes.

Town and country planning is a subject requiring considerable energy and freedom of action of those who are appointed to administer it. Unless the local planning

authorities are able to get, without delay, the information affecting their areas and relating to matters of a regional or national character, the development plan will take much longer to prepare than the three years by the end of which the new Bill requires them to be submitted to the Minister.

There may be many development areas extending over the boundary of a county or county borough which may make it desirable to set up a joint board. There may not be, however, similar conditions existing over two or more adjoining counties which would be better dealt with by a joint board than by the separate planning authorities assisted by advice from the regional offices on matters of overall importance. The efficient working of the regional planning offices is likely to be of greater advantage to the county councils than would perhaps be a joint advisory committee which might tend to hold up the work of the separate councils.

To conclude, it would appear that the administration of planning powers by county councils is likely to prove most satisfactory. They have the resources to engage competent staff and to carry out the work efficiently; the county towns are generally accessible to, and frequently visited by, many of the population who will need to consult with their officers; where counties are too large to permit of convenient travel to the county headquarters, divisional offices may be set up; relationship to the greater area is not likely to be lost sight of in concentrating on matters of local importance; they are already responsible for such services as education, police, health and highways, and are concerned in rural sewerage and water supplies and in agriculture; many interests with which it will be necessary or desirable to collaborate are already organised on a county basis; and, lastly, many counties have already the organisation and staff to deal with the work without delay.

**Desmond Heap :** Under the new Bill there will be no more planning schemes as we understand them to-day. Instead a planning authority will prepare what is known as a "development plan," the first of which has to be submitted for the Minister's approval within three years of the Bill becoming law. Its object is to show in general rather than in detail the manner in which, in the planning authority's view, land should be developed, and the stages by which such development should be achieved. The development plan must be reviewed at least once every five years and amended in the light of experience.

The number of applications which an intending developer may have to make to keep himself on the correct side of the Bill is worthy of note. If his development happens to be the erection of an industrial building of any class prescribed by regulations made, not by the Minister, but by the Board of Trade, then four applications for consent will have to be made by the developer. These will be as follows:—

(1) To the Board of Trade (who have a wider power under this Bill than they have under the Distribution of Industry Act, 1945, of controlling the location of industrial buildings);

(2) to the local planning authority for planning consent;

(3) to the local byelaw authority for byelaw consent; and

(4) to the Central Land Board (established under the Bill) for determination of the amount of development charge payable in respect of the development.

If the development does not comprise an industrial building no application to the Board of Trade is required. The Minister has in mind some procedure for making all these consents the subject of one application only, the application being automatic-

ally referred to the appropriate quarter and the developer receiving one decision covering all requisite consents.

#### DEVELOPMENT UNDERTAKEN BY LOCAL AUTHORITIES THEMSELVES

The Town and Country Planning Act, 1944, introduced a new conception into planning law by allowing a local planning authority itself to indulge in certain forms of development instead of paying the passive role of controlling planning by purely negative action. But the positive planning which an authority could undertake was restricted by the 1944 Act of "areas of extensive war damage" and "areas of bad lay-out and obsolete development" with, in each case, any associated overspill area and no development, even in these restricted areas, could be carried out by a local planning authority if some other party was prepared and willing to undertake it. This meant in effect, that a local planning authority was left to undertake such unattractive development as did not appeal to others.

Under the Bill a local authority is now given the widest powers for implementing the provisions of a development plan. This is secured by the amendments which the Bill makes to sections 19 and 20 and sections 22 to 30 of the 1944 Act relating to the powers of a local authority to dispose of land and to carry out the development of land held by the authority. These sections are not repealed by the Bill but are amended so as to apply to land which a local authority is holding for any of the very wide purposes of the Bill as distinct from the comparatively restricted purposes of the 1944 Act. The Minister's consent to any such development is still required.

The most important section of the 1944 Act dealing with development by local authorities is section 20, and in the form in which it has been amended by the Bill it is withdrawn in wide terms enabling a local authority "notwithstanding any limitation imposed by law on the Council of such a body by virtue of its constitution, to erect, construct or carry out on land . . . for the time being held by them for the purposes of Part IV of the Town and Country Planning Act, 1947, any building or work. . . ." Under the same section when any such building or work has been completed by the local authority the authority has power "to repair, maintain and insure any such building or work . . . and generally to deal therewith in a proper course of management."

Under these wide powers a local authority could erect, for example, a cinema, a trading estate containing industrial premises and retail shops and could, with the Minister's consent under section 19 of the 1944 Act, lease or sell the cinema, trading estate or the shops for the purpose of their being operated by some other party.

#### EXTENDED POWERS OF COMPULSORY PURCHASE FOR LOCAL AUTHORITIES

In order that a local authority may be the better able to make use of its extended powers of carrying out development itself wider powers than have ever existed are now conferred upon such authorities of acquiring land compulsorily.

A development plan may designate land as being subject to compulsory purchase within ten years from the approval of the plan. The land so designated may be land required for any of the functions of a local authority; land required for comprehensive development or re-development as a whole; and land which, in the opinion of the local planning authority is likely to require compulsory acquisition in order to secure that it will be used in the manner proposed by the development plan. These are very wide powers of compulsory purchase indeed. Having acquired land, the local authority can then (subject to the Minister's approval)



make it available on lease (or, in "exceptional circumstances," by sale of the freehold) to other parties wishful to develop it in accordance with the provisions of the development plan. The effect of these provisions may tend to make local authorities buying agents for such bodies (e.g., universities and hospitals) as have not compulsory powers of acquisition themselves but who nevertheless need to acquire land in the course of developing, in the public interest, the type of work which they respectively carry out. The Central Land Board may similarly act as a buying agent under the Bill.

#### PAYMENTS BY THE STATE FOR DEPRECIATION OF LAND VALUES

One of the novel features of the Bill is that in dealing with the value of land it draws a distinction between the existing use value of the land and the potential development value of the land. The effect of this, coupled with the provisions as to the payment of development charges previously mentioned, is that land will in future change hands at its value for its existing use because in buying land the purchaser will bear in mind that he will have a further payment to make in the form of a development charge as and when he comes to develop the land. Thus land owners now lose the development value of their land and though the Government do not recognize that compensation is payable on this ground, the Bill does provide for the payment of a total sum of £300,000,000 in the discharge of all successful claims by land owners for the loss of the development value of their land. No such claim, however, can be made by a local authority in respect of land held at the appointed day by the authority for general statutory purposes or in respect of land purchased by a local authority for comprehensive development or re-development as a whole.

**J. Paton Watson :** The Plan which we are trying to carry out in Plymouth is a simple thing based on rudimentary principles. In planning for a good community, what physical factors should one expect? I suggest that they are: Good approaches and ease of communications within and from the area; definite external and internal boundaries between neighbourhoods and areas for work and play; individuality in layout, aspect and design; adequate provision, in the form of buildings and open spaces, for the organisation of the voluntary life of the community.

With these physical conditions, what should one look for in a vital community? They are: a good Council with a wide outlook and not "safety first" as its motto; a masterful and not a parochial administrative policy, with the people as agreeable for change as for the maintenance of the *status quo*; one where the impetus of progress comes from below and not from the centre; with facilities for educating and creating individuals aware of their city's history and individuality, rather than training them as national models.

Whilst we have been obliged to accept all types of construction in order to provide housing, our estates are being developed in accordance with the recommendations in our "Plan," and there will be no need to talk of community re-vitalisation amongst the inhabitants of these neighbourhoods if the policy set out materialises in their organisation, and it is the Council's conviction that it will and must. They will be live communities based on an educational foundation around the school, but with all the amenities required for the life of the community surrounding it, with facilities for voluntary organisation which will keep the residents in close touch with their local problems and affairs. The community planning will form

the hairspring for the control and guidance of future local government, because it will have an influence upon the minds of generations and is far more important than the actual layout of the estates and the detailed planning and design of the houses, all of which should, nevertheless, be in good taste.

It is not generally appreciated that industry is mainly composed of small units and that the prosperity and growth of industry is dependent upon them. Analysis of the national industrial figures reveals that 75 per cent. of the total number of industries employ less than 25 persons. The need to provide accommodation for these small units in good taste and buildings, if they are to recruit labour in competition with the larger units who can raise money easily, is important. This has been recognised in the New Bill and local authorities will be well advised to consider small schemes of "flatted" factory accommodation in the re-development of their built-up areas.

The decisions of the War Damage Commission in connection with cost-of-works payments created a situation which almost compels the elected representative to permit the owner of the property to reinstate it irrespective of whether it is good taste, good design, or in accordance with the principles of good planning.

A considerable area in Devonport (some 20 acres), built in the 'eighties, will be re-instated in the old grid-iron (Byelaw pattern) with small backyards and projecting rear-buildings—the sort of thing they put on the screen as the antithesis of planning. I could quote examples of property, little better than slums, which have received this cost-of-works payment and will be re-instated at the cost of the State because of lack of co-ordination and decisions given out of sympathy rather than out of public interest.

Having reached the horizon and got approvals for your layouts for, say, 10 years hence, and got your roads and sewers laid down, then the more mundane work of allocating sites and leases can ensue. How the business community is to react to the rigidity of central administration, with its inevitable delays in important negotiations of this kind, remains to be seen, but the completion of the documents is likely to take longer than the completion of the actual buildings. For the present we are compelled to confine our plans and programmes to that period which the Chinese thought fit to call "sufficient for the planting of trees," viz., ten years. Not for the planting of men, which they thought required planning for 100 years. From the plans exhibited of our 10-ten programme, for the central area, you can imagine the difficulties that will arise in trying to co-ordinate transport, utilities, leases and buildings so as to keep the life and business of the city going. The plan must at all times function during the period of operations and must not bring the life of the town to a standstill, but permit it to grow during the process. This is a problem which must have careful, almost day-to-day consideration. It must be appreciated that the problems involved in the underground planning are almost as difficult and no less important than those on the surface. The Joint Technical Committee deals with these.

#### NEED FOR UP-TO-DATE MAPS

One of the biggest original troubles was lack of corrected maps and man-power. The revision of out-dated maps is a long and complicated business, rendered more complicated where damaged areas are extensive. This lack of up-to-date maps is a great drawback, recurring through the whole proceedings, and when to this is added the fact that hundreds of owners have lost their property plans by enemy action, you can imagine the many complications involved.

A further practical difficulty is the production of plans. Multiplicity of plans has been on the increase over a long period and the case is bad enough when considering the de-

velopment of new country, but when it comes to re-development of blitzed and obsolescent areas, one is almost led to the belief that a paper-mill should be an integral part of a local authority's set-up. An ordinary acquisition of land by Declaratory and Compulsory Purchase Orders involves some 100 plans and this assuming that only a conservative average of eight owners is affected. This, of course, is excluding any working drawings and apart from the deed and vesting plans.

In connection with our central area, no fewer than 4,000 plans of all descriptions have had to be prepared since the inception of the scheme, and we have only reached the stage of starting the physical works. You may imagine the number of plans that will be required when the acquisition and re-distribution of the land plots takes place. My estimate is that no fewer than 400 plans per acre will be necessary on the assumption that there are 20 hereditaments per acre, but these may be small items of expenditure compared with stamp duty and legal costs.

The regulations which stipulate that in the re-development of the scheme, the land shall be valued and taken out of the Planning Account at an average figure for the various works and services, such as roads, municipal buildings, open spaces and education, may prove inequitable and throw an undue burden on the local authority.

The proposals that the State shall contribute a descending percentage from a maximum of 90 per cent. of the capital loss on the Planning Account only, over a short period of years, is likely to react to the detriment of the local authority and may well mean that the central fund will be making up the deficiency during the period when the demolition of standing property has not taken place and that lower percentage of grants will then be enforced when the loss of revenue from standing property falls out of the account.

In a similar way also, any basis of grant on the rateable value of the authority, which is supposed to be a measure of their prosperity, may be completely false as policies on rent assessment and rating have varied considerably from town to town.

It is felt here that if equity is to be done, the central funds should become real partners, contributing not less than 50 per cent. of any loss on the planning account and the percentage grants just announced by the Minister looks as if he was aiming at this goal also.

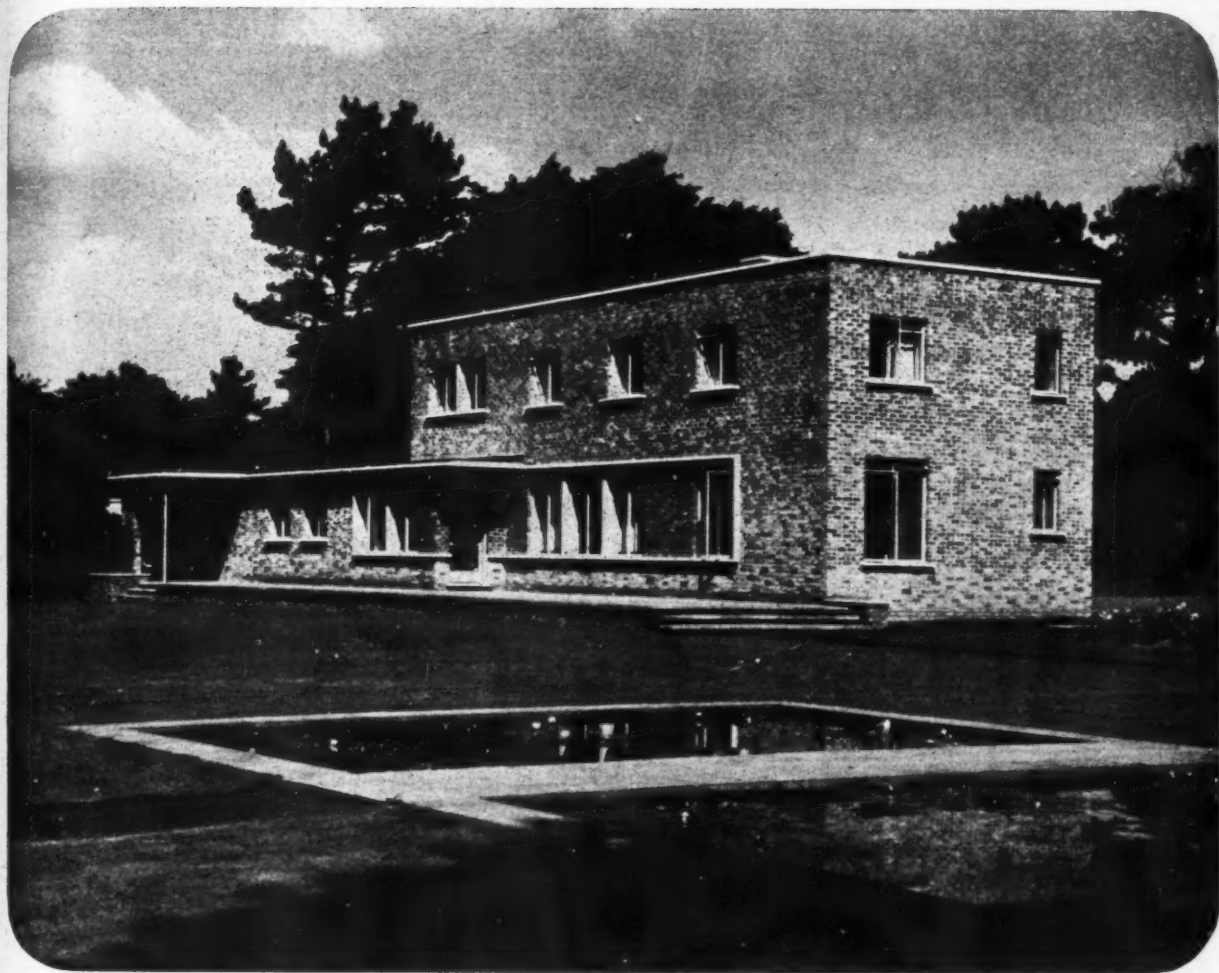
The Licensing of Building related to re-development is almost a whole-time job and the clash between what is not in the public interest and yet essential for the continuance of business is difficult to decide, but when in doubt the licence should be issued. To preserve the commercial community of the town centre and, at the same time, permit of reconstruction, means almost individual consideration of every application.

Increase in value of property, pending ultimate acquisition must be avoided and wherever possible the Council insist on the owners accepting responsibility on being given limited permission for development or improvements.

In these days, with constant shortages arising from week to week, and the need for making the maximum use of all labour and materials, the task confronting the blitzed towns is, as you can well imagine, no easy one but, as I said before, I am optimistic.

These difficulties confront us in order that we may overcome them and I feel certain and am convinced that with the goodwill and assistance of the central authority, we can demonstrate what can be done in a city such as this, so that out of our mistakes, and perhaps a few successes, the rest of the country embarking upon any such programme in future will look upon us with sympathy and, I hope, with some satisfaction.





*Top, the south elevation. Above, the entrance on the north.*

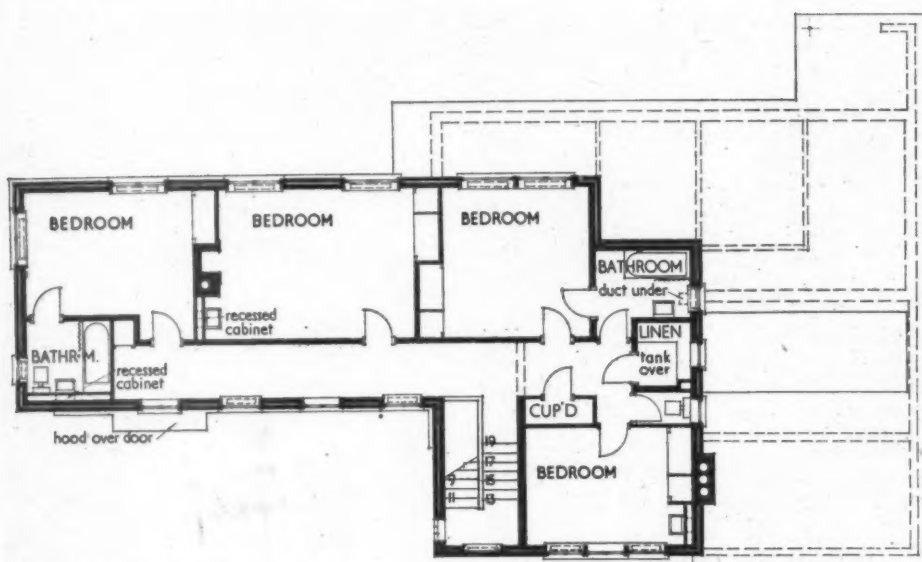
# H O U S E

AT CARRICKMINES, CO. DUBLIN

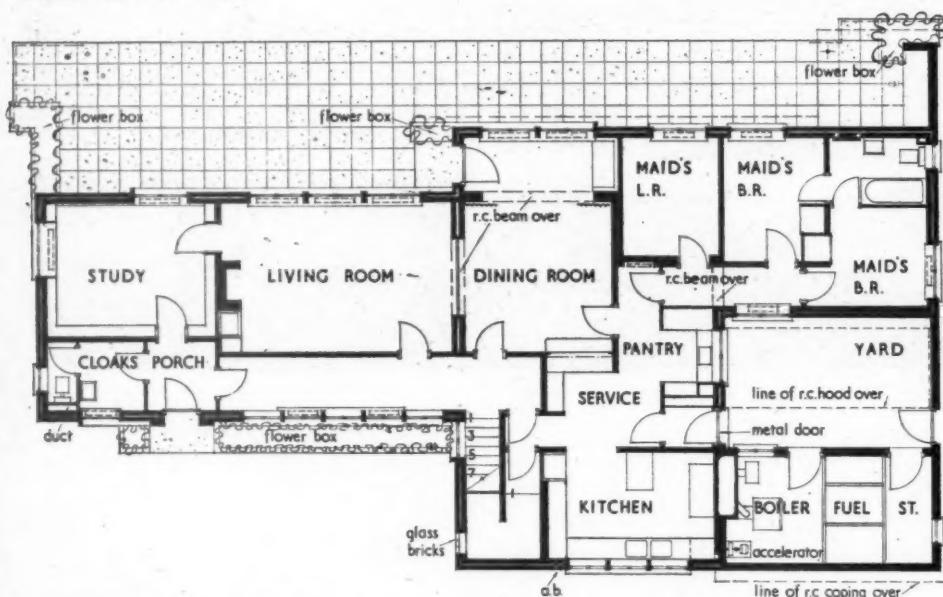
DESIGNED BY J. V. DOWNES

This house was designed by Professor Downes (of the firm of Downes and Meehan) for his own occupation, and is pleasantly situated on a gently sloping site with uninterrupted views of the Dublin mountains to the south-west. All the principal rooms and bedrooms face south-west and take full advantage of the view. The three-acre site was pasture land, and the gardens were subsequently laid out

by the architect to enhance the natural setting of the house. The walls of the house are 12½ in. cavity, the inner lining being 6 in. concrete blocks and the outer picked Athy stock bricks, no longer, unfortunately, in manufacture. These bricks were handmade, with a very irregular texture and a wide range of colours from lemon yellow to dark brown. The character of this brickwork

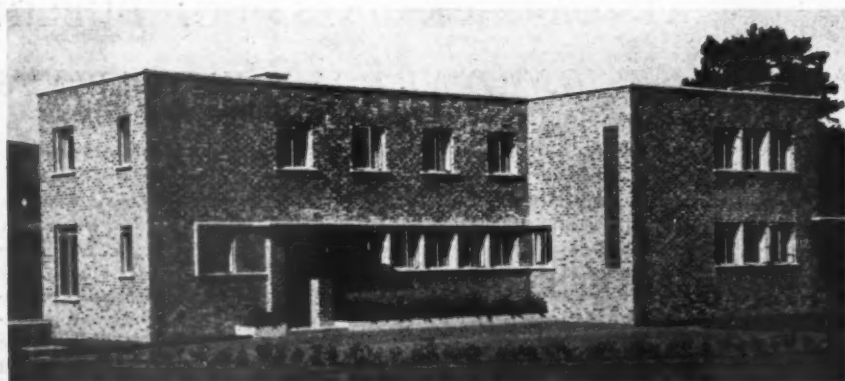


FIRST FLOOR PLAN



GROUND FLOOR PLAN

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



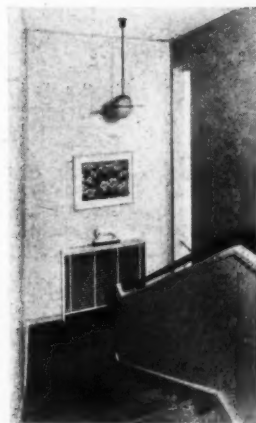
The north elevation.

contributes very largely to the charm of the house and helps to soften its somewhat severe lines. Floors and roof are Bondrib type hollow reinforced concrete floors, somewhat similar to the Truscon floor, and ceilings are formed of insulation board and plaster skim, the roof being finished in asphalt. The windows are purpose-made metal windows set in timber frames, and glass bricks are used for the large staircase window, set flush with the adjoining brick-work.

All built-in fittings, furniture and carpets were specially designed by the architect.



*Left top, the library. Right top, the first floor corridor. Left below, the living room. Below top, the stairs. Below centre, the pantry. Bottom, a pantry cupboard with roller front.*





## TECHNICAL SECTION

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

### INFORMATION CENTRE

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

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

#### 4.9 planning: urban and rural PLANNING IN CANADA

*Background for Planning Greater Winnipeg.* Metropolitan Planning Committee and Winnipeg Town Planning Commission. (The Commission, Manitoba, Canada, 1946, no price.)

First of series of reports dealing with future development of Greater Winnipeg metropolitan area presenting factual background information. History of planning movement in Greater Winnipeg. Origin, history and growth of metropolitan Winnipeg. Economic base. Topographic characteristics of region. Developed and undeveloped areas. Tax forfeited lands. Illustrated by several survey maps. Comprehensive and clearly written account of region.

#### 5.6 planning: public utilities TRAFFIC SURVEY

*Application of Origin and Destination Traffic Data in Planning Highway Facilities for Greater Kansas City.* J. M. Picton. (Highway Research Board, Oklahoma City, Oklahoma, USA, 1946; no price.)

Interesting report on American traffic survey; illustrated by 20 maps tabulating results of survey and other relevant data.

The survey covers the entire metropolitan area called Greater Kansas City, including four cities and four counties in the States of Kansas and Missouri. The report on the survey provides information on the movements of goods and persons into and through the urban area, on major traffic desire patterns within the district, and on parking experience. The methods used in obtaining data are fully described and admirably illustrated in a black and white presentation technique.

#### 6.6 planning: social and recreational RURAL SCHOOLS

*Planning Rural Schools for Children under Seven.* Nursery School Association of Great Britain. (University of London Press, 1946, 2s. 6d.)

Survey of essential features of school buildings required for children between ages of two and seven years, prepared by committee under chairmanship of Alister MacDonald, F.R.I.B.A., and appointed by Nursery School Association of Great Britain. Some illustrations, no plans.

The booklet examines existing inadequate conditions in country schools and discusses the relationship between the Education Act, 1945, and education for children in rural areas. It asks Local Authorities to recognise the value of good nursery schools to the rural community as a whole and stresses the importance of and the need for careful studies of the problem. Among special planning problems encountered in rural areas are the following: the diversity of types of rural communities; existing old and ill-suited school buildings; the inadequacy of water and electricity supply together with the lack of modern methods of sanitation; and the unwillingness of some teaching staff to accept too primitive living conditions in villages.

Practical suggestions offered for improving rural schools cover the following aspects: the provision of an open-air play-space; the design of the school building and its services; the relation of the external layout to the buildings and to the landscape setting; an estimate of educational needs based on the number of children to be catered for; and the adaptation or extension of existing premises.

Three excellent schedules of accommodation and equipment conclude the pamphlet: Schedule I dealing with nursery schools for children of two to five years, Schedule II with nursery-infant schools for children of two to seven years, and Schedule III providing figures for sizes and spacing of equipment.

The booklet represents a useful and informative contribution to an up till now rather neglected aspect of physical planning.

#### 10.8 design: building types HOTEL

*Penthouse Hotel.* (The Architectural Forum [USA], Dec., 1946, pp. 100-108.)

350-room hotel on top of two big stores in Cincinnati.

The Terrace Plaza Hotel, now under construction, was designed in close co-operation between a great many highly trained specialists, including the clients. Shape of the site, 90 x 400 ft., was one of the basic controlling factors. Two big stores had to be accommodated at the bottom of the structure, one required a floor area of 200,000 sq. ft., the other 50,000 sq. ft. Thus the hotel proper was pushed high in the air.

The broad base of the building could go up seven stories before it was affected by zoning regulations. The hotel rooms are accommodated in a ten-storey rectangular "penthouse," measuring 50 x 300 ft. The setback at the eighth floor (lobby) provides space for an outdoor summer dining terrace (winter skating rink). The building encloses 6,388,000 cu. ft., the capital investment is 2 million dollars.

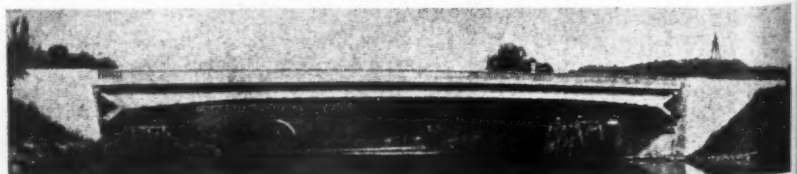
Since the entire building will be air conditioned and since windows for other than display purposes only hamper the effective use of store space, they were eliminated in the commercial base of the building. The multi-windowed hotel rests upon what appears to be a monolithic pedestal.

The main floor hotel is the eighth. Compressed between two big stores, hotel space on the ground level is limited to a 28 ft. entrance and an elevator foyer.

Excavation and foundation construction presented several unusual problems. Foundation walls had to go deep (up to 55 ft.) and close to sidewalks and existing buildings, the foundation of which had to be shored up and underpinned down to the proposed level of the sub-basement. The steel frame was evolved from a study of eight alternative systems. Widely spaced columns were needed in the stores while the small hotel rooms and corridors suggested closely spaced columns. The scheme finally adopted, although more expensive than the others, met both requirements.

### INFORMATION CENTRE INDEX

An alphabetical index for the first six months 1947, covering items published from January 2 to June 26, inclusive, is being prepared. Readers who wish to have a copy — it is free of charge — should notify the Technical Editor, The Architects' Journal not later than June 30.



Prestressed precast concrete bridge. See 20.24.



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To Whom it may concern.

Dear Sir(s),

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We have already referred to deal block floorings for Housing (the Minister of Health has informed us that he will allow us to supply and lay this class of flooring in standard houses) and we have plenty in stock. Inasmuch as the Board of Trade (Timber Control) has seen fit to impose a charge, payable on demand, of £19 15s. 0d. per standard on all stocks of softwoods, we must look round for some sort of substitute. Hitherto, we have not tendered for composition floorings as we did not consider the synthetic magnesite (manufactured from sea-water) suitable for this class of flooring. Now, however, that we can obtain the genuine imported mineral magnesite, we are able to give the 100% guarantee that clients are entitled to, and shall be happy to submit quotations for this type of flooring. It is obtainable in red, brown and/or buff.

For more substantial buildings (schools, factories, offices, etc.) we still have large stocks of the more expensive timbers—oak, Canadian birch, African hardwoods in both block and strip—and we can submit prices for these floorings for more or less immediate execution. If clients require a parquet floor, we can commence any job inside 48 hours.

Should you have floors that are badly worn, we can clean off, reface, and waxpolish, using electrically or petrol driven surfacing machines.

Finally, there is our Fluid Glass treatment for linoleum. An application of this solution to lino, and you will have a non-slip highly polished waterproof surface, which will last for many months.

Please send us your enquiries.

Yours faithfully,

The Philip Flooring Company.

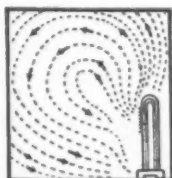
*P.D. Philip.*

(For 39 years connected with Messrs. Jos. F. Ebner, Ltd.)

## 27: FOR THOSE WHO MAY NOT KNOW

E.D.A. explains—

# THE CONVECTOR HEATER



The electric convector is designed to provide continual circulation of warm air throughout a room or building.

### COMPONENTS

The convector consists of an electric element inside a cabinet or casing with two air openings. The lower opening forms an inlet for the cold air while the upper forms an outlet for heated air. To ensure economy in current consumption, a thermostat, fitted in the air inlet, controls the flow of current according to the temperature of the entering air.

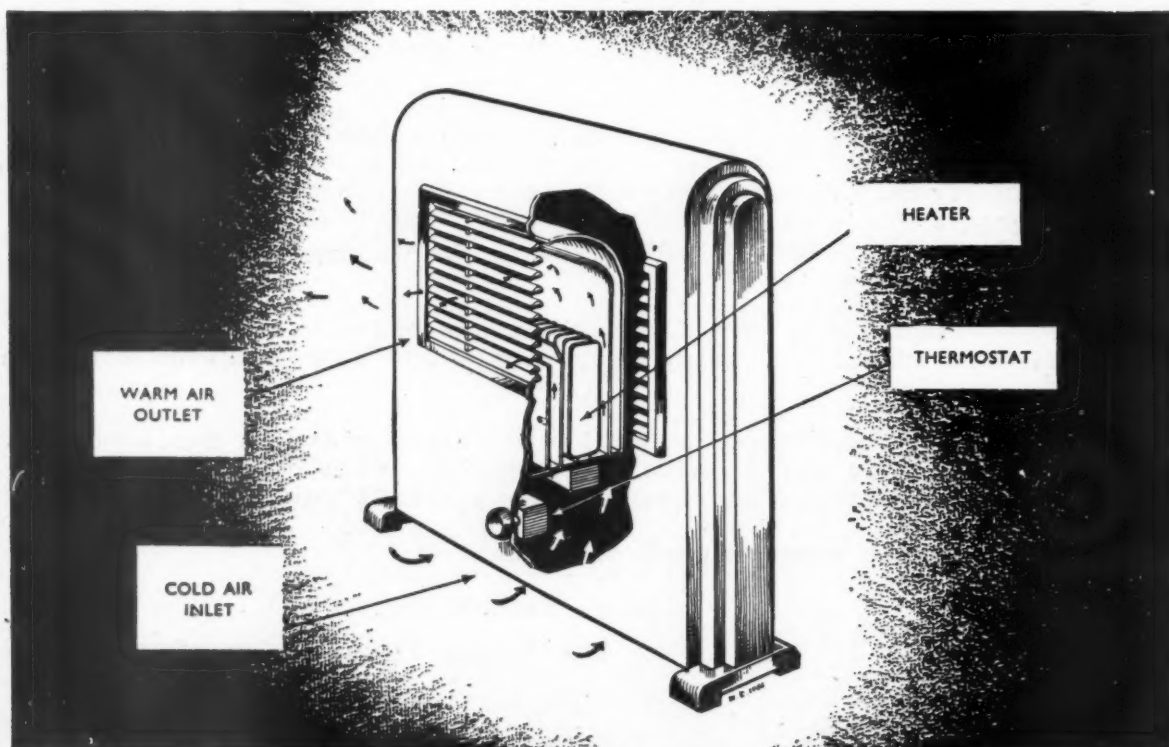
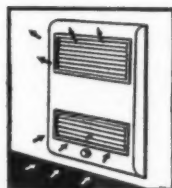
### TYPES

Convectors are either portable or inset in a wall recess. They are available in a wide variety of finishes, with cabinets

of metal, plastic or even wood. The elements are usually in standard consumption loadings of 1 or 2 KW. Some models are fitted with coloured lights which shine through the air outlet grille to indicate that the heater is switched on and to give an appearance of "life."

### USES

The convector may be installed in private houses, hotels, waiting rooms and anywhere that requires an efficient space heater. It is more suitable for continuous or long period heating than the ordinary electric fire, because it warms the whole of the room, and is protected against excessive consumption by thermostatic control.



Expert advice on specialised electrical subjects is always available from your local Electricity Authority  
Issued by the British Electrical Development Association, 2 Savoy Hill, London, W.C.1.

## 11.1 materials: general ROOF TILING

*Roof Tiling.* Draft BS Code of Practice, CPB.1.412:1946. (British Standards Institution. 2s.)

Deals with quality of materials, design considerations and site work in connection with roofing in plain and single lap clay or concrete tiles. Information on flashings, eaves and verge treatments, provision for lights, lanterns, dormers, rainwater drainage and thermal insulation in the roof also included; pp. 30.

This is a useful code containing advice on a number of considerations in addition to those normally included in text books. There are clauses, for instance, dealing concisely with the specification and comparative advantages of different types of nails; with the analysis of the behaviour of tiled roofs in relation to the exclusion of moisture; with special precautions necessary with splayed eaves; with gutter sizes and with heat losses through roofs (including a table of air to air transmission coefficients for a number of combinations of roofing materials).

Some statements could with advantage be further clarified: for instance, it is stated that "the use of feathered boards is not recommended," but no reason is given. Similarly, "torching of tiles or fittings is not recommended." This is commonly held to be good practice and a convincing argument against it is therefore the more necessary.

In general, however, the information is factual and concise, and should be of practical help, though architects would wish to see some diagrams.

## 15.5 materials: applied finishes and treatments PAINTING PLASTER AND MASONRY

*Painting and Distemping Plaster, Concrete, Brick and Stone.* Draft BS Code of Practice, CPB.608:1946. (British Standards Institution. 3s.)

General recommendations for painting these surfaces; information on possible causes of failure and their treatment; detailed recommendations for preparation of each type of surface and for types of paints and method of application appropriate to each material. New and old surfaces dealt with. Reference required to *Parent Code 2.4, Painting Decoration*.

The information given is of great importance to architects and would help to avoid the all too frequent painting failures. Despite much cross referencing to allied codes and sub-codes the material is sufficiently clearly set out to be a valuable guide in practice.

## 19.19 construction: details RETAINING WALLS

*Retaining Walls Constructed with Bored Piles.* (Concrete & Constructional Engineering, February, 1947, pp. 61-63.)

Three examples of retaining walls formed by continuous rows of bored piles in water-logged or other soft ground.

## 20.24 construction: complete structures PRESTRESSED PRECAST BRIDGE

*New Road Bridge at Luzancy, France.* (Concrete & Constructional Engineering, January, 1947, pp. 17-20.)

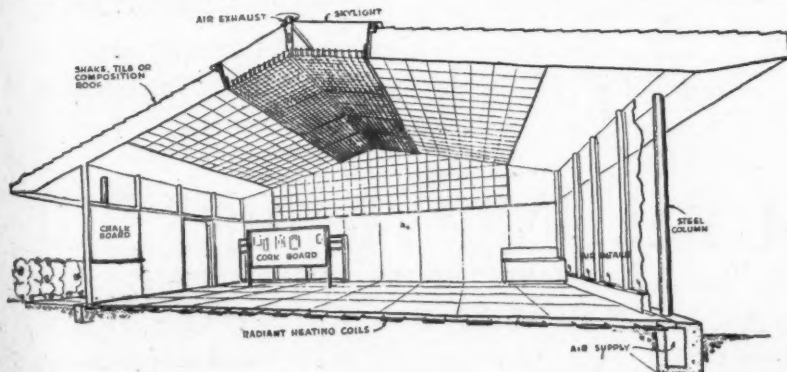
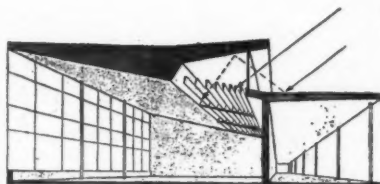
Prestressed precast reinforced concrete bridge of 180 ft. span, 26 ft. width between parapets.

The structure has three main girders of cellular cross section, each consisting of 22 precast hollow blocks, 8 ft. long. Each girder was prefabricated and prestressed on the river banks in three sections. The erection required no falsework in the river nor any shuttering. The centre girders are spaced about 3 ft. apart and are connected at the top by precast slabs. Slabs and girders are held together by transverse prestressing cables. The footpath is also prestressed. The overall depth at midspan is 4 ft. 2 in., i.e., 1/45 of the span.

## 23.26 heating and ventilation GAS, ELECTRICITY: COAL ECONOMY

*Comparisons between Gas and Electricity on the Basis of Coal Economy.* P. Schiller. (J. Inst. Elect. Engineers, 1947.)

Independent reports have suggested that electric heating involves 60 per cent. to 100 per cent. higher coal consumption than gas heating. This paper challenges these figures, claiming it proves that for domestic heating there is no decided difference in national coal economy between the two fuels. Refutes the conclusions of the Egerton Committee. Seven Tables and bibliography.



*Classroom daylighting: above a clerestory arrangement, below using a skylight with louvres. See 24.25.*

## 24.25 lighting DAYLIGHTING OF CLASSROOMS

*New Bilateral Lighting, Open Plan and Trilateral Lighting.* (Arch. Record [USA], January, 1947, pages 88 and 93).

Two short illustrated descriptions of new ideas for classroom daylighting.

The article on bilateral lighting describes classrooms of normal size, with full glazing on one wall and a clerestory opposite. The latter incorporates a louvre system designed to admit sunlight without glare rather than daylight. The school is in California.

The second article describes the lighting for classrooms 32 ft. square. Windows are arranged along either side with wide overhanging eaves, and along the ridge and down the central line is a skylight with louvres beneath.

It is interesting to see how developments of this kind for classrooms are going forward in England and America simultaneously, for there is much in these designs to remind us of the proposals by the BRS.

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

## QUESTIONS AND ANSWERS

### 2897 BUILDING LICENCES

**Q** Under present conditions, one is permitted to carry out work on any premises to the value of £10 annually, and I should be glad to know within what period after any necessary redecoration under licence, one may carry out such work—may the two be carried out simultaneously, or must a period of twelve months elapse after redecoration?

**A** A licence when granted refers to definite works which are specified therein, and the limit of cost is stated.

In granting the licence the local authority intend it to cover the particular job, and it is not the spirit of the regulations to permit the value of licensed work to be increased by the statutory licence-free allowance.

For example, if work of redecoration is licensed then the statutory £10 cannot be used to carry out additional works of redecoration. If the local authority considered such additional works necessary they would have included it in the licence.

S.R. & O. 1947 No. 74, prescribed the £10 limit of licence free work which is permitted in respect of any single property during the six months period up to the 31st July, 1947, when the regulation expires.

If use of the statutory allowance is intended, then the work can be carried out at any time during the above period and, as long as it refers to work of a different nature from that licensed, there is no reason why the two jobs should not be run simultaneously.



# In a changing world . . .



Above: The First Class Smoking Saloon of the P. & O. Liner 'Mooltan'.



## Timber endures

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*This feature covers both the production and marketing of new materials and designs of equipment, as well as the general trend of developments within the Building Industry.*

## THE INDUSTRY

[by Philip Scholberg]

### SCHOOL FURNITURE

To most of us school desks mean oak, clear varnished or covered with a rather unattractive dark stain, in designs which seem to have varied only in detail during the last twenty years. In view of the large school programme and the acute timber shortage, the Educational Supply Association have set out to provide a completely new desk and chair in a material which is readily available. The photograph on this page shows the result, which is the work of Mr. James Leonard, the company's designer. Frames are in cast light alloy with rounded feet to prevent damage to floors, and the desk top and chair seat and back will be either resin bonded plywood or as an alternative, a reinforced plastic which is licence free. Both desk and chair comply with the recommendations of the Markham Committee, and dimensions, chair seat and back shape and the curve of the desk front are designed to give as natural a seating position as possible.

The chairs stack in nests of six and both desk and chair are lighter and stronger than the more usual wood, or wood and metal construction. Quantity production will start in the autumn. (The Educational Supply Association, Ltd., Esavian Works, Stevenage, Herts.)



School desk and chair with cast light alloy frames designed by James Leonard of the Educational Supply Association.

### DDT IN A NEW FORM

Now that the war is over and DDT can be bought by the general public, it is possible to form some idea of its possibilities when used against the old household pests like flies, bugs and moths. Personal experience with moths leads me to rate the powder form of this chemical rather low, though the spray is certainly pretty effective against flies. Should I find myself waging war against bugs I would be inclined to plump for the liquid spray, though of course any method of hand application tends to miss odd areas here and there, and it is difficult to make certain that the spray penetrates all the crevices where it is really needed. During the Burma campaign it was found that powder and spray would not penetrate thick jungle undergrowth, and the Chemical Defence Experimental Department, in conjunction with Wessex Aircraft therefore evolved a method of liberating DDT in vapour form from containers dropped by aircraft. Experiments proved remarkably successful, but the war ended before this method came into large-scale use. Wessex Aircraft, by the way, are specialists in pyrotechnic smokes of all kinds, and produce, amongst other things, the yellow distress smoke canisters which the RAF use to attract attention to rescue dinghies. They are now producing small canisters containing about 60 per cent. DDT blended with other combustible chemicals, and these are being marketed by Jensen and Nicholson under the name of Fumite. On lighting, the contents are transformed into a dense vapour which fills the room and has every chance to insinuate itself into every nook and cranny. As soon as it reaches any surface the vapour cools and condenses, leaving a very thin film of DDT all over the room, a simple process which needs about three hours to carry out, the sealing of doors and windows being unnecessary. (The Wessex Aircraft Engineering Co., Ltd., and Jensen & Nicholson, Ltd., 36, St. James's Street, London, W.1.)

### TREE PLANTING

Either you take an interest in trees and gardening or you don't. If you do you almost certainly disagree with everything anybody tells you, but if, like me, you are an innocent in these matters you will welcome the TDA's recent pamphlet on home grown timber trees. Here you will find eight pages of tables (divided into broad leaved trees and conifers) each section containing an alphabetical list of the trees which will grow in this country, with further information about their maximum height, the sort of soil they need, whether they will stand the shade of other trees or must have light of their own, the sort of climate they need and their ability to withstand frost, their firmness against wind, and how they should be cultivated. There is also information about the proper rotation time for the most economic timber production, with notes on the uses of the timber produced, for the booklet is intended to encourage the re-planting of the forests which have suffered so heavily from war-time felling. But the whole thing should be very useful to anyone with a job of estate layout or road planting to do, or who wants to grow a wind break on an exposed site. There are also several pages of general notes including some useful information on town planting and some cross referenced lists of such things as trees suitable for a good show in the spring, or to give good autumnal colouring. A most useful and informative production. (The Timber Development Association, Ltd., 75, Cannon St., London, E.C.4.)



Illustrating the strength of the Redux bonding process. A sink produced by Rubery Owen and Co., with a separately pressed bowl bonded to the draining board.

### REDUX BONDING

In dealing with the British Industries Fair reference was made in these notes to the Redux bonding process used to fix the veneers to the light alloy sheet panelling of Clive Latimer's Heal furniture. The fact that the bond is strong enough to allow the panels to be bent after veneering seems to have aroused a certain amount of interest, and a little further information is perhaps desirable. The process can be used to bond metals to metals, metals to wood, or wood to thermosetting plastics such as Bakelite; the joints are water resistant and their strength remains adequate at boiling point. The illustration shows a sink produced by Rubery Owen and Co. in which the bowl is a separate pressing Redux bonded to the double draining board. Joints made by this method have very great strength and are being used for structural work in aircraft. Stringer sections which would normally require jig drilling and riveting can be bonded to the skin and the result is stronger since there are no stress concentrations at the rivet holes.

So far as the building industry is concerned the process seems to have great possibilities. Complicated shapes impossible to press from a single sheet could be built up from smaller bonded units, and stiffened where necessary with extruded or rolled sections. In these days when aluminium is one of the few materials available without a licence, the process is obviously applicable to furniture, and kitchen cabinets or cupboards of all kinds.

Bonding must be carried out at a temperature not less than 140° Centigrade and at a pressure of not less than 50 pounds per square inch, and the following points should be considered if one has in mind a design embodying this process. First of all it must be possible to apply pressure to the joint, preferably with a simple clamp, and certainly without complicated jigs. Tubes can be joined either by splitting the outer tube or by making a taper like the ground joints used in glassware. Avoid butt joints and use reinforcing gussets at corner joints. (Aero Research Ltd., Duxford, Cambridge-shire.)

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

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## Announcements

Arrangements have been made, with the approval of His Majesty's Government and the Danish Government, to hold an All-British Exhibition in Copenhagen in September, 1948. The exhibition will be organized by the British Import Union of Copenhagen in collaboration with the Federation of British Industries, as was done in the case of the successful British Exhibition in Copenhagen in 1932. Steps to organize the exhibition are now being taken and, as soon as the necessary plans and other information for intending exhibitors are completed, a further announcement will be made.

Mr. S. Penn Smith, L.R.I.B.A., chartered architect and surveyor is practising at Waterloo House, 2, Hastings Street, New Walk, Leicester. Telephone 22184, and would be glad to receive trade catalogues and technical information.

The Roofing Felt Industry's Executive Committee, which has acted for the Ministry of Works since December, 1940, ceased to function as from May 31, having completed the work embodied in its terms of reference.

The Head Executive Office of the Northern Aluminium Co., Ltd., has been transferred from Banbury to Wellington House, Lancaster Place, Strand, W.C.2. The London Sales Office has also moved to this address, from 11, Bruton Street, W.1. The new telephone number is Temple Bar 4433; Telegraphic Address: Noraluco, Rand, London.

Mr. A. Victor Farrier, A.R.I.B.A., for the past 44 years Assistant Director of Works and latterly Assistant Chief Architect,

Ministry of Works, has recommended private practice at 7, Thornton Hill, Wimbledon, S.W.19 (Wimbledon 2865), under the title, Harold Bailey and Farrier.

Mr. Andrew Stewart, C.A., F.C.I.S. (Huddersfield Building Society), has been re-elected chairman of the Building Societies Association; and Sir Charles Davies, J.P. (Leeds' Permanent Building Society) has been re-appointed Deputy Chairman.

Messrs. Ramsey, Murray & White, F./F.R.I.B.A., of 32, Wigmore Street, London, W.1, have taken Mr. Basil Ward, F.R.I.B.A., into partnership. The firm will continue to practise under the name of Ramsey, Murray & White.

The RIBA Library is now open an extra hour from Mondays to Fridays, i.e., from 10 a.m. to 7 p.m., Saturday opening remains as before, 10 a.m. to 5 p.m.

The Bristol Aeroplane Company (Housing), Limited, of Oldmixon, Weston-super-Mare, are now collaborating with Structural and Mechanical Development Engineers Limited, 2, Buckingham Avenue, Slough, Bucks, in connection with the design and manufacture of light alloy structural components and buildings of all sizes and types. SMD were responsible for the design of the Aluminium Bungalow now in large scale production for HM Government, and the Bristol Company are the parent concern of the five factories responsible for its manufacture.

Mr. Denis Clarke Hall, F.R.I.B.A., has moved to 6, Mason's Yard, Duke Street, St. James's, S.W.1. Mr. L. W. Elliott, A.R.I.B.A., A.M.I.C.E., A.M.I.S.T.R.U.C.T.E., has started practice at 6, Mason's Yard, Duke Street, St. James's, S.W.1, and will be continuing his association with Denis Clarke Hall.



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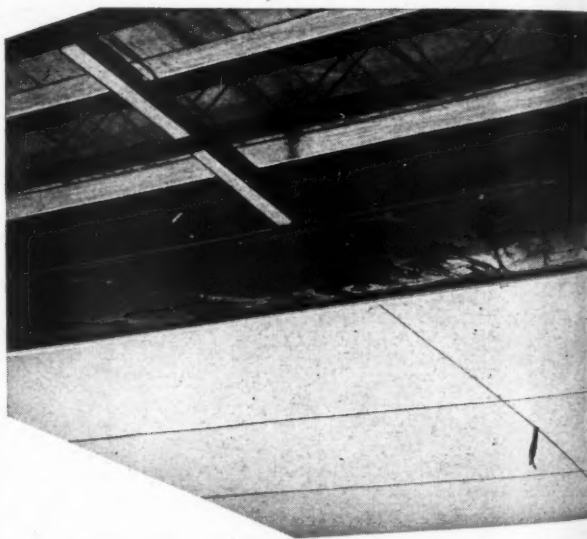
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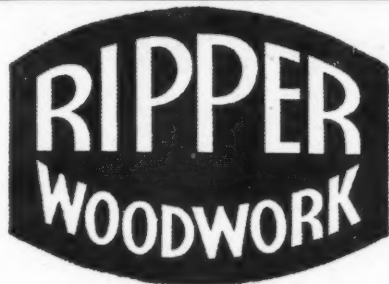
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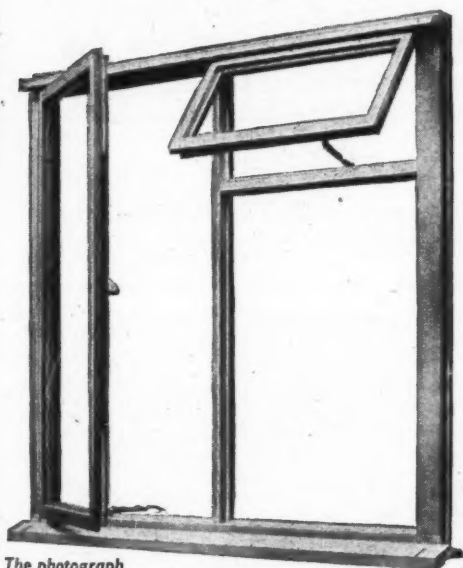
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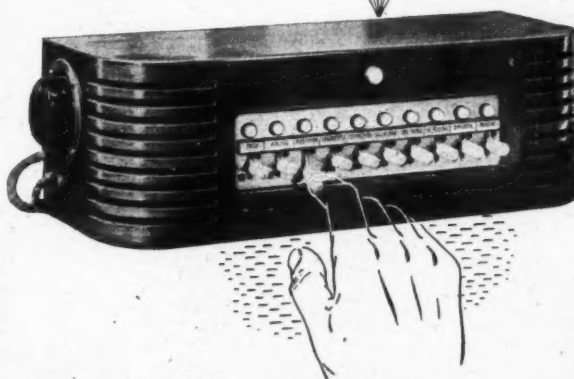
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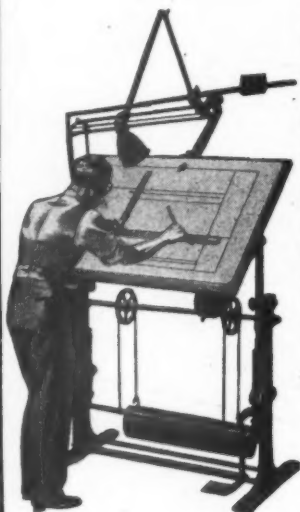
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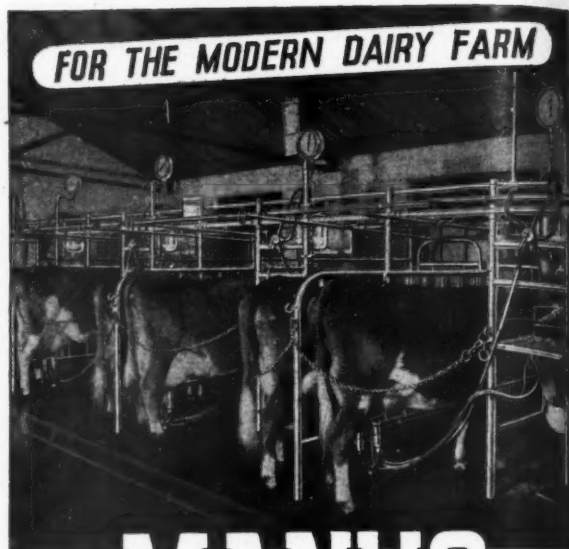
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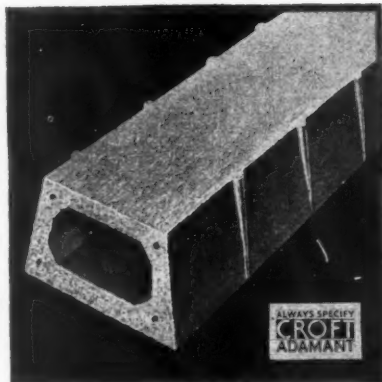
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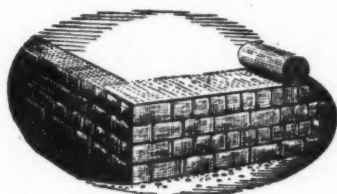
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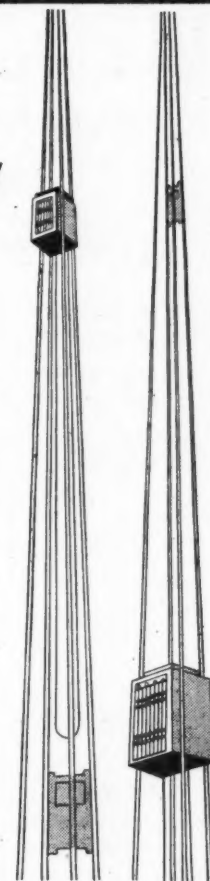
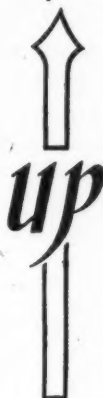
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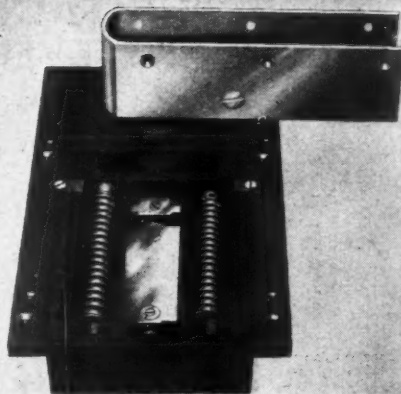


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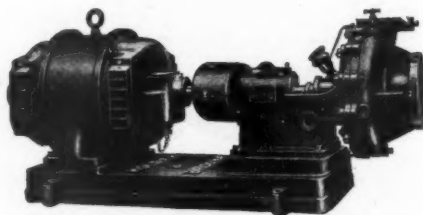
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## Get out of the ice age

▲ The cold spell is revealing the usual and miserable tale of failure to master the elements.

▲ Countless householders are facing similar adversities at home. Pipes have frozen. They have also, of course, burst, and this further affliction will manifest itself with the thaw. In the great majority of houses the cold holds undisputed sway in every room except one, into which the family huddle like Eskimos in their igloo.

▲ The astounding fact about all these discomforts is that, while they are accepted as part of the natural order by many people, they are totally unnecessary. In many parts of the world, notably in the United States, the temperature ranges between far greater extremes of cold and heat. Methods have consequently been evolved not only to safeguard water supplies in summer and to keep vital roads and railways clear in winter, but to maintain warm and even house temperatures throughout the year.

▲ Why modern space-heating, in particular, has been denied to the British public for so long remains a mystery. Certainly fuel economy is not the reason, for a departmental report on "Domestic Heating in America" states that houses in Portland are heated by about 41 tons of coal a year. "This is not very different from the quantity used in Britain, but instead of heating a small part of the house for part of the day only to a temperature of about 65 degrees F. the houses will almost all have been heated to over 70 degrees F. throughout the entire house for 24 hours of the day."

▲ Mr. Bevan for the first time set a target of 300,000 houses in 1947. This building should not proceed on the unwarranted but hitherto ineradicable assumption that Britain enjoys an equable climate. Modern devices should be installed to make the home a place of comfort in the extremes of winter and summer alike. The ages of ice, drought and flood should assume their proper place in far-off history.

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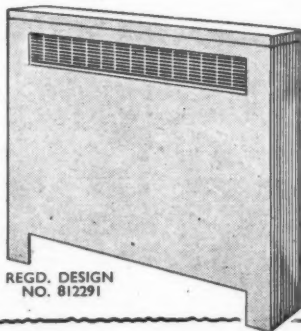
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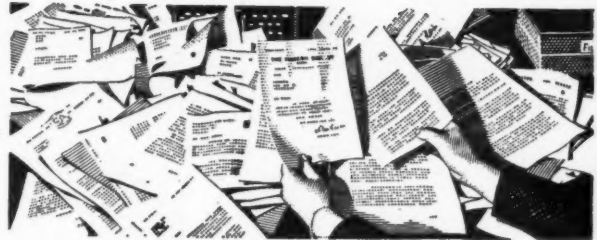
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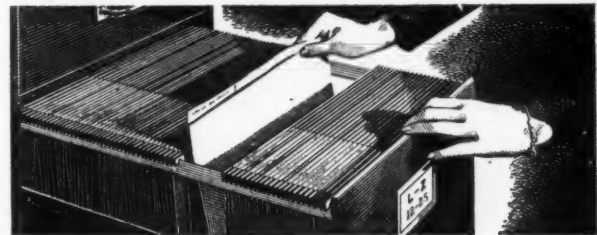
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Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1, and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.

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

## Public and Official Announcements

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

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

### CORPORATION OF LONDON.

#### CITY SURVEYOR'S OFFICE.

APPOINTMENT OF TECHNICAL STAFF.  
Applications are invited for the following appointments, in the City Surveyor's Office:—  
ASSISTANT ARCHITECTS AND SURVEYORS.  
Salary up to £475 p.a. (inclusive of consolidated bonus), according to age, qualification and experience.

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

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

Previous experience with a Municipal body is not essential.

Applications, endorsed "Technical Staff," to be made to George Holliday, F.S.I., City Surveyor, 56-61, Moorgate, E.C.2, giving the following particulars:—Service with Armed Forces, age, qualification or intentions in connection therewith, previous training, positions and experience, date when available to commence duties if selected, together with copies of two testimonials. 918

### THE UNIVERSITY OF MANCHESTER.

Applications are invited for the following posts, in the School of Architecture:—  
ONE ASSISTANT LECTURESHIP.  
TWO TEMPORARY ASSISTANT LECTURESHIPS.

Duties to commence 29th September, 1947. Salary of Assistant Lecturer, £450 per annum. All applications should be sent not later than 19th July, to the Registrar, The University, Manchester, 13, from whom further particulars may be obtained. 539

### CITY OF SALFORD.

#### APPOINTMENT OF ARCHITECTURAL ASSISTANT (TEMPORARY).

Applications are invited for the appointment of an Architectural Assistant in the City Engineer's Department, at a salary in accordance with Grade VI of the National Scale of Salaries (minimum £535, maximum £600 per annum), plus cost-of-living bonus, at present payable amounting to £60 per annum.

The appointment is temporary, and will, it is anticipated, extend over a period of not less than 2 years.

Applicants should be Associate Members of the Royal Institute of British Architects, and experience in the design of modern schools would be an advantage.

Applications, stating qualifications, age, and experience, together with past and present appointments—accompanied by copies of three recent testimonials—should be addressed to the City Engineer, Town Hall, Salford, 3, in envelopes endorsed "Architectural Assistant," and forwarded so as to be received not later than 25th June, 1947.

H. H. TOMSON,

Town Clerk. 565

### CITY AND COUNCIL OF THE CITY OF LINCOLN.

APPOINTMENT OF HOUSING ARCHITECT.  
Applications are invited from fully qualified Architects for the above appointment, at a salary of £250 per annum, rising by annual increments of £50 to £1,000 per annum, together with war bonus (at present £59 16s. per annum).

The person appointed will be required to take charge of the Housing Architect's Department, and will be mainly concerned with the erection of new houses for the Corporation.

Full particulars of the appointment, together with forms of application, may be obtained from the undersigned, and applications must be received not later than by the first post on Monday, 30th June, 1947.

J. H. SMITH,

Town Clerk. 597

Town Clerk's Office, Lincoln.  
29th May, 1947.

### LONDON COUNTY COUNCIL. COUNTY OF LONDON PLAN—VACANCIES FOR PLANNING STAFF.

Applications are invited for positions in the following grades:—

PLANNING OFFICER, Grade III, up to £700 a year.

TECHNICAL ASSISTANT, up to £580 a year. Commencing rate according to qualifications and experience. Opportunities for competing for permanent appointment and promotion. Successful candidates will be superannuable.

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

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

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

Canvassing disqualifies. (1680) 535

### H.M. COLONIAL SERVICE.

Applications are invited for the post of LECTURER IN ARCHITECTURE AND BUILDING SCIENCE, in the Technical Institute, Lagos, Nigeria. Candidates must possess a qualification of A.R.I.B.A. They should have had experience in design, construction and supervision of Houses and Public Buildings. Previous teaching experience is desirable, but not essential.

The teaching of Architecture and Building Science is a new departure for the Institute. At first the standard of work attained by students will not be high. The successful candidate will take complete charge of the Architecture and Building Section of the Institute, and also be required to organize Courses of Instruction. He will also be required to teach Day and Evening Students.

Salary, £560-£1,300, according to qualifications and experience.

The post is pensionable. Terms of service include free quarters, free passages for officer and wife on appointment and on leave, outfit allowance of £60 on first appointment, free medical attention, and home leave on full pay after 18 months' tour at rate of seven days for each month of resident service. Income tax is payable at low West African rates only.

Applicants should write at once to the Director of Recruitment (Colonial Service), 15, Victoria Street, London, S.W.1, stating age, professional qualifications and experience. 562

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

Applications are invited for the following appointments, in the Architectural and Planning Sections of the Department respectively:—  
The appointments are subject to the conditions of service and scales of salaries of the National Joint Council given below.

#### ARCHITECTURAL:

(b) CHIEF ARCHITECTURAL ASSISTANT (Grade VI), £535, rising to £600 per annum.

(c) ARCHITECTURAL ASSISTANT (Grade V), £460, rising to £510 per annum.

(d) ARCHITECTURAL ASSISTANT (Grade IV), £420, rising to £465 per annum.

QUANTITY SURVEYOR:

(e) ASSISTANT QUANTITY SURVEYOR (Grade V), £460, rising to £510 per annum.

PLANNING:

(f) SENIOR PLANNING ASSISTANT (Grade IV), £420, rising to £465 per annum.

Plus war bonus, at present £59 16s. per annum.

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

For successful married candidates, housing accommodation will be made available by the Corporation if required.

Applications, giving details of age, qualifications, and details of experience, together with copies of two recent testimonials, must be suitably endorsed and delivered to the undersigned not later than the first post on Monday, 23rd June, 1947.

J. V. OLDFIELD, M.Inst.C.E.,

Borough Engineer and Surveyor.

Municipal Offices, Town Hall Square,

Grimsbv.

May, 1947.

579

### ARCHITECTURAL ASSISTANTS REQUIRED

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The appointments, which offer good opportunities for advancement, are in the first place in an unestablished capacity, with possibility of permanent appointment. Work is varied, giving ample scope to those seeking further experience in the design of all types of buildings.

Applicants should have had a recognized full period of training and experience, with a practising Architect or Local Authority, etc.

Apply in writing, giving age, details of training and experience, to Chief Architect, W.G.10, Ministry of Works, Abell House, John Islip Street, London, W.W.1. 519

### SOUTHAMPTON COUNTY BOROUGH. BOROUGH ARCHITECT'S DEPARTMENT. APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments:—

Architectural Assistant (Temporary), Grade II, £360-£405, plus cost-of-living bonus, amounting to £59 16s. per annum.

JUNIOR ARCHITECTURAL ASSISTANT (Temporary), General Division, £265-£300, according to age, plus cost-of-living bonus according to age.

Preference will be given to Probationers or Students of the Royal Institute of British Architects who intend to qualify for Associate Membership and become Registered Architects.

Applications in writing, stating age, qualifications, and experience, and enclosing copies of two recent testimonials, should be sent to Denis Winston, M.A., B.Arch., A.R.I.B.A., M.T.P.I., Civic Centre, Southampton, to arrive not later than 23rd June, 1947. 615

### COUNTY BOROUGH OF BARROW-IN-FURNESS.

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

Applications are invited for the following permanent appointments:—

(a) TWO SENIOR ENGINEERING ASSISTANTS, Grade VI, £535-£600 per annum.

Candidates must be A.M.I.C.E. or hold the Testamur of the Institution of Municipal Engineers, and have had considerable Municipal experience.

(b) TWO SENIOR ASSISTANT ARCHITECTS, Grade VI, £535-£600 per annum.

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

In respect of these posts a temporary bonus of £59 16s. per annum is payable in addition.

(c) ARCHITECTURAL DRAUGHTSMAN, General Division, £65 (age 16), £160 (age 21), £300 (age 30).

A temporary bonus, varying from £24 14s. per annum at age 16 to £59 16s. per annum at age 31 and over, is payable in addition.

Applications can only be considered from men who have completed their period of National Service or are exempt therefrom. Some experience in draughtsmanship is essential.

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

Applications, on forms to be obtained from the Borough Engineer and Surveyor, Town Hall, must reach the undersigned not later than Saturday, 28th June, 1947.

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

Canvassing in any form will disqualify.

W. LAWRENCE ALLEN,

Town Clerk. 616

### UNIVERSITY OF DURHAM. KING'S COLLEGE, NEWCASTLE-UPON-TYNE. DEPARTMENT OF ARCHITECTURE.

The Council of King's College invite applications for the post of LECTURER IN ARCHITECTURE.

The salary rises by annual increments of £25 to a maximum of £250, and the commencing salary of the successful applicant will be fixed at a point on that scale in accordance with his qualifications and experience. Duties to commence in October, 1947.

Ten copies of applications, together with the names of three persons to whom reference may be made, should be submitted as early as possible to the undersigned, from whom further particulars may be obtained.

G. R. HANSON,

Registrar of King's College. 517

### COUNTY OF WARWICK.

#### ARCHITECT'S DEPARTMENT.

Applications are invited for the following posts on the established staff:

(a) TWO ASSISTANT ARCHITECTS. Salary £535, rising by two annual increments of £20 and one of £25 to £600.

(b) TWO ASSISTANT ARCHITECTS. Salary £480, rising by one increment of £25 and one of £20 to £525.

(c) ASSISTANT ARCHITECT. Salary £420, by two annual increments of £20 to £460 per annum.

(d) ASSISTANT ARCHITECT. Salary £365, rising by three annual increments of £15 to £410 per annum.

The above scales are exclusive of cost-of-living bonus, which in each case is £59 16s. per annum. Applicants should be Members of the Royal Institute of British Architects.

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

Application forms can be obtained from C. E. Elkins, County Architect, Shire Hall, Warwick, to whom they are returnable within 14 days of the appearance of this advertisement.

L. EDGAR STEPHENS,

Clerk of the Council. 618

Shire Hall, Warwick.



**COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE****COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments on the permanent staff, which may be made within the grades, according to experience:—

- (a) SENIOR ASSISTANT ARCHITECTS (b), £535-£225-£450.
- (b) ASSISTANT ARCHITECTS, £390-£15-£510.
- (c) JUNIOR ASSISTANT ARCHITECTS, £330-£15-£405.
- (d) HEATING ENGINEER, £460-£20-£600.
- (e) ASSISTANT SURVEYOR (Sites), £390-£15-£510.
- (f) JUNIOR ASSISTANT SURVEYORS (Sites), £330-£15-£405.
- (g) SENIOR ASSISTANT QUANTITY SURVEYORS, £535-£25-£650.
- (h) ASSISTANT QUANTITY SURVEYORS, £390-£15-£510.
- (i) JUNIOR ASSISTANT QUANTITY SURVEYORS, £330-£15-£405.

Cost-of-living bonus is payable in connection with the appointments.

Candidates for senior and assistant appointments should be either Associates of the Royal Institute of British Architects or Professional Associates of the Royal Chartered Surveyors' Institution. Heating Engineers should be Associate Members of the Institute of Heating and Ventilating Engineers.

Applications, on forms obtainable from this office, must reach me not later than the 1st July, 1947.

HUBERT BENNETT, F.R.I.B.A.,  
County Architect.

County Hall, Wakefield. 605

**COUNTY BOROUGH OF BARNSELY. APPOINTMENT OF SECOND ASSISTANT ARCHITECT.**

Applications are invited for the appointment of a Second Assistant Architect, on the permanent establishment of the Borough Engineer and Surveyor's Department. The salary will be in accordance with A.P.T., Grade V, of the National Scale of Salaries, i.e., £460-£15-£510-£20-£510 per annum, plus cost-of-living bonus, at present £59 16s.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the passing of a medical examination, and will be terminable by one month's notice on either side, and will also be subject to the general conditions of service within the Corporation, as varied from time to time.

Applicants must be Registered Architects, and preference will be given to Associates of the Royal Institute of British Architects, and applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, should reach the Borough Engineer and Surveyor, Town Hall, Barnsley, not later than the 21st June, 1947.

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

A. E. GILFILLAN,  
Town Clerk.

Town Hall, Barnsley. 606

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

Applications are invited for the following permanent appointment, in the County Architect's Department:—

SENIOR ASSISTANT ARCHITECT. Salary in accordance with the National Scale, Grade A.P.T., IV, commencing at £420 per annum, and rising by annual increments of £15 to £465 per annum, plus cost-of-living bonus, at present £59 16s. per annum.

Applicants should be Registered Architects, with good experience in general architectural work, and preference will be given to Members of the Royal Institute of British Architects.

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

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

Applications in plain envelopes endorsed "Senior Assistant Architect," stating age, qualifications, training and experience, giving particulars of present and past appointments, accompanied by copies of three recent testimonials, must be delivered to the undersigned not later than Tuesday, 24th June, 1947.

WILLIAM JONES,  
Clerk of the County Council.

Shire Hall, Llangefni, Anglesey. 592  
30th May, 1947.

**CITY AND COUNTY OF THE CITY OF LINCOLN.****APPOINTMENT OF BUILDING MANAGER.**

Applications are invited for the above appointment from persons experienced in the building trade.

The salary will be in accordance with Grade V of the National A.P.T. Scales of Salaries, i.e., £460-£510, together with war bonus, which at present amounts to £59 16s. per annum.

Particulars of duties, together with forms of application, may be obtained from the undersigned. Applications must be received not later than the first post on Monday, 30th June, 1947.

J. S. SMITH,  
Town Clerk.

Town Clerk's Office, Lincoln. 596  
29th May, 1947.

**CHESTER-LE-STREET RURAL DISTRICT COUNCIL.**

Applications are invited for the appointment of DEPUTY ARCHITECT, in the Architect and Planning Officer's Department, at a salary in accordance with A.P.T., Grade V (£460-£510), plus cost-of-living bonus, at present £59 16s. per annum.

Candidates must be Registered Architects, preferably holding A.R.I.B.A. or equivalent qualification.

The duties of the appointment will include the supervision of the architectural section of the department, and candidates must have specific experience in housing work, including the preparation of layouts, house type plans, roads and sewers, etc., and be capable of handling staff.

The appointment will be subject to the National Scheme of Conditions of Service of Local Government Officers, and to the provisions of the Local Government Superannuation Act, 1937. The appointment is on the permanent staff, but will be subject to one month's notice on either side.

Applications, endorsed "Deputy Architect," stating age, qualifications and experience, accompanied by copies of two recent testimonials, must be delivered to the undersigned not later than 12 noon on Saturday, 28th June, 1947.

R. C. BELL,  
Clerk to the Council.

Union Offices, Chester-le-Street, Co. Durham. 582  
28th May, 1947.

**CITY OF PETERBOROUGH.****APPOINTMENT OF CLERK OF WORKS.**

Applications are invited for the above appointment, on the staff of the City Engineer, at a salary of £420 per annum, plus cost-of-living bonus, at present £59 16s. per annum.

The appointment is made in connection with the construction of a Secondary Modern School, and is for the duration of such construction, which is estimated at two years.

Applicants must have a thorough knowledge of all sections of the building trade, and must state in their applications their age, qualifications, present appointment, and previous experience.

Applications, accompanied by copies of two recent testimonials, must reach the undersigned not later than noon on Monday, 16th June, 1947.

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

ARTHUR J. REEVES,  
Town Clerk.

Town Hall, Peterborough. 584  
May, 1947.

**BOROUGH OF EDMONTON.****APPOINTMENT OF ARCHITECTURAL ASSISTANT (PERMANENT).**

The Council invite applications for the post of Architectural Assistant (Permanent), in the Borough Engineer and Surveyor's Department, on Grade A.P.T., IV, of the National Scheme of Conditions of Service. Salary, £440-£15 to £485 per annum, plus bonus, £59 16s. per annum.

Candidates should be associates of the R.I.B.A. or equivalent, and have had experience in housing and general building work.

The appointment will be subject to the National Joint Council's conditions of service, the rules and regulations adopted by the Council from time to time, the Local Government Superannuation Act, 1937, and a satisfactory medical examination.

Forms of application and conditions of appointment may be obtained from the undersigned, and must be returned to me accompanied by copies of not more than three recent testimonials not later than 5th July, 1947.

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

H. BACKHOUSE,  
Town Clerk.

Town Hall, Edmonton, N.9. 610

**EAST SUFFOLK COUNTY COUNCIL.****APPOINTMENT OF ASSISTANT ARCHITECTS.**

Applications are invited for the appointment on the permanent staff of the County Architect's Department of Assistant Architects, A.P.T., Grades III-IV, of the National Scheme of Conditions of Service, with a salary range of £390 to £465 per annum, plus bonus, at present amounting to £59 16s. per annum. The commencing salary will be fixed according to qualification and experience.

Applicants must be Registered Architects, preferably members of the Royal Institute of British Architects, with previous experience in the service of a Local Authority. They must be quick and accurate draughtsmen, fully conversant with the preparation of 1/4 scale, half inch, and full size details for Schools or other buildings dealt with by a Local Authority, and have a sound knowledge of design, construction and specifications.

The successful candidates for the appointments will be required to pass a medical examination. Appointments are subject to one month's notice on either side, and are superannuable.

Applications, stating age, full details of previous experience and qualifications, accompanied by copies of two recent testimonials or the names of two referees, must be delivered to E. J. Symcox, F.R.I.B.A., County Architect, County Hall, Ipswich, not later than 7th July, 1947.

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

CECIL OAKES,  
Clerk of the Council.

County Hall, Ipswich. 601

**WEST SUFFOLK COUNTY COUNCIL. APPOINTMENT OF ASSISTANT COUNTY ARCHITECT.**

Applications are invited for the above appointment, at a salary within the range of Grades A.P.T., VI-VII, of the National Joint Council salary scale (£535-£650), commencing salary according to qualifications and experience, plus cost-of-living bonus (at present £60 per annum). Travelling allowance in accordance with County Scale.

Applicants must be Registered Architects, preferably Associate Members of the Royal Institute of British Architects.

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

Forms of application may be obtained from the undersigned, by whom applications, accompanied by three recent testimonials, should be received not later than Monday, 30th June, 1947.

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

Shire Hall, Bury St. Edmunds. 594  
2nd June, 1947.

**LEICESTERSHIRE COUNTY COUNCIL.****EDUCATION ARCHITECT'S DEPARTMENT.**

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT, National Scale A.P.T., Grade VI, salary £525 to £600 per annum, plus war bonus, at present £59 16s. per annum. Applicants must have passed the final examination of the Royal Institute of British Architects. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination.

Applications stating age, qualifications, experience, the names of two persons to whom reference may be made, and endorsed "Architectural Assistant," should be delivered to the undersigned not later than Saturday, the 21st June, 1947. Canvassing, either directly or indirectly, will be a disqualification.

JOHN A. CHATTERTON,  
Clerk of the Council.

County Offices, Grey Friars, Leicester. 614

**STAFFORDSHIRE COUNTY COUNCIL.****EDUCATION COMMITTEE.**

Applications are invited for the following appointments:—

HEATING ENGINEER.—Qualified to prepare schemes for heating and electrical installations, and to supervise their installation. Preference will be given to a candidate holding a University Degree and/or Membership or Institute of Electrical Engineers and Institute of Heating and Ventilating Engineers. Good experience essential. Salary, £700-£50-£800 per annum (plus cost-of-living bonus £59 16s.).

ASSISTANT ENGINEER.—Candidates must be properly trained heating and ventilating engineers, with experience of large heating schemes. Salary at A.P.T.D., Grade I, II or III, of the National Scale (plus cost-of-living bonus, £59 16s.), according to qualifications and experience.

Appointments, subject to confirmation, on permanent staff on completion of six months' satisfactory probation; also recognized for purposes of Local Government Superannuation Act, 1937.

Applications, stating age, qualifications and previous experience, together with copies of testimonials, to be sent to the Architect, County Education Offices, Stafford.

T. H. EVANS,  
Clerk of the County Council.

599

**COUNTY OF KENT.****NORTH KENT JOINT PLANNING COMMITTEE.****APPOINTMENT OF DRAUGHTSMAN.**

Applications are invited for the post of Draughtsman, in the Gravesend Office of the Committee, at a salary in accordance with the following scales in the National Scheme of Conditions of Service:—

Up to and including the age of 26.—General Division, *vis.*, £65 a year at age 16, rising by varying annual increments to £245 a year at age 26, plus cost-of-living bonus.

27 years of age and over.—Miscellaneous Division, Grade I, *vis.*, £255 a year, rising by annual increments of £15 to £300 a year, or Miscellaneous Division, Grade II, *vis.*, £315 a year, rising by annual increments of £15 to £360 a year, according to ability and experience, plus cost-of-living bonus.

The post is superannuable, and is a permanent appointment to the staff of the Kent County Council, but the successful candidate will be seconded to the service of the Joint Committee. If and when planning functions are exercised by the County Council, the person appointed will revert to the service of the County Council, and may be required to work elsewhere in Kent. Preference will be given to applicants who have had architectural experience or in the control of elevations in a Planning Office.

Applications, in own handwriting, stating age and experience, and accompanied by copies of not more than three recent testimonials, should be received by me not later than the 30th June, 1947.

DAVID FORSYTH,  
Clerk of the Committee.

County Hall, Maidstone. 585  
29th May, 1947.

**BRISBANE CITY COUNCIL.**  
**QUEENSLAND, AUSTRALIA.**

Applications are invited, and will be received by the Agent-General for Queensland, 409/410, Strand, London, W.C.2, up to 30th June, 1947, for the following positions, in the Planning and Building Branch, Department of Works:—  
**ONE DEPUTY CITY PLANNER.** Salary, £A.800 p.a.

**ONE ASSISTANT DESIGNING ARCHITECT.** Salary, £A.650 p.a.

**TWO ARCHITECTS, Grade III.** Salary, £A.555 to £A.605 p.a.

**THREE ARCHITECTS, Grade II.** Salary, £A.505 to £A.555 p.a.

**THREE ARCHITECTS, Grade I.** Salary, £A.410 to £A.505 p.a.

**ONE STRUCTURAL ENGINEER, Grade IV.** Salary, £A.605 to £A.655 p.a.

**ONE QUANTITY SURVEYOR, Grade II.** Salary, £A.505 to £A.555 p.a.

**ONE QUANTITY SURVEYOR, Grade I.** Salary, £A.410 to £A.505 p.a.

**ONE ASSISTANT PLANNING OFFICER.** Salary, £A.550 p.a.

**THREE PLANNING ASSISTANTS, Grade II.** Salary, £A.505 to £A.555 p.a.

**TWO PLANNING ASSISTANTS, GRADE I.** Salary, £A.334 to £A.440 p.a.

Cost-of-living adjustment, at present £A.47 per annum, is additional to all salaries.

Commencing salary payable to appointees to be dependent on their qualifications and experience.

First-class steamer fares from the United Kingdom to Australia; train fares from the point of arrival in Australia to Brisbane (if necessary), and reasonable transportation of personal effects (excluding items of furniture) of the appointee and his family will be paid; provided the successful applicant enters into a bond with the Council that he will not resign from its service within a period of five (5) years from date of embarkation.

The Council proposes to build housing to accommodate its staff, on a rental basis, and will provide temporary accommodation in the meantime.

The agreed salary will be paid to the appointee on and from the date of embarkation. Three (3) weeks' leave is granted annually, and the retiring age of Council employees is sixty-five (65) years.

The necessary application form, together with further particulars relating to the positions, may be obtained from the office of the Agent-General for Queensland 409/410, Strand, London, W.C.2 (where copy of the relevant Award and Council Ordinances may be inspected), or from the Secretary, R.I.B.A., 66, Portland Place, London, W.1.

**THE COUNTY COUNCIL OF THE WEST**  
**RIDING OF YORKSHIRE.**  
**APPOINTMENT OF COUNTY PLANNING**  
**OFFICER.**

Applications are invited for the appointment of County Planning Officer, at an annual salary of £1,500, rising by annual increments of £50 to £1,750, plus cost-of-living bonus of £59 15s. Applicants must be Corporate Members of the Town Planning Institute, and have had considerable experience in the preparation and administration of planning schemes. Preference will be given to persons who also possess a recognized qualification in architecture, civil engineering, or surveying.

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

Applications in writing, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must be lodged with the undersigned in sealed envelopes, marked clearly in the top left-hand corner "County Planning Officer," not later than the 30th day of June, 1947.

**BERNARD KENYON,**  
Clerk of the County Council.  
County Hall, Wakefield.  
31st May, 1947. 600

**COUNTY OF NORFOLK.**  
**COUNTY PLANNING DEPARTMENT.**

The Norfolk County Council invite applications for the appointment of ASSISTANT COUNTY PLANNING OFFICER, A.P. & T., Grade VII (£575-£650), plus cost-of-living bonus, £59 15s. per annum.

Candidates must have had considerable experience in all aspects of statutory planning, interim development control and planning procedure in general. Candidates should be Associate Members of the Town Planning Institute, and, in addition, should have passed the final examination of one of the following Institutions: Institution of Municipal Engineers, Royal Institution of Chartered Surveyors, Royal Institution of British Architects. Administrative experience will be an advantage.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the satisfactory passing of a medical examination.

Forms of application may be obtained from the Clerk to the Norfolk County Council, County Offices, Thorpe Road, Norwich, and should be returned to him not later than Saturday, 28th June, 1947.

**H. OSWALD BROWN,**  
Clerk of the Norfolk County Council.  
County Offices, Thorpe Road, Norwich,  
Norfolk.  
29th May, 1947. 607

**BATTERSEA BOROUGH COUNCIL.**

Applications are invited for the following permanent appointments, in the Department of the Borough Engineer and Surveyor:—

(a) **ARCHITECTURAL ASSISTANT, Grades V-VI.** Commencing basic salary, £460 per annum, rising by increments in accordance with the grades to a maximum of £600 per annum, plus London weighting (£20) and cost-of-living bonus (£59 15s.). Candidates must have good experience in the planning and design of housing schemes and municipal buildings, and should be Associates of the Royal Institution of British Architects.

(b) **DRAUGHTSMAN, Grade I.** Commencing basic salary £330, rising by increments of £15 to a maximum of £375 per annum, plus London weighting (£20) and cost-of-living bonus (£59 15s.). Candidates must be experienced and expeditious draughtsmen, with a good knowledge of building construction.

The Council have adopted the Scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

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

Forms of application with further particulars may be obtained from the Borough Engineer and Surveyor, Town Hall, Lavender Hill, S.W.11, and must be returned to him with copies of three recent testimonials not later than Monday, 30th June, 1947.

**R. G. BERRY,**  
Town Clerk.

Town Hall, Lavender Hill, S.W.11.  
June, 1947. 612

**LONDON COUNTY COUNCIL.**

**SENIOR ARCHITECTURAL VACANCIES.**  
Well-qualified Architects are invited to apply for the following positions:—

**ARCHITECT, Grade I, £840-£40-£960.**

**ARCHITECT, Grade II, £700-£35-£840.**

The persons appointed must be capable of initiating and developing important architectural projects related to programmes for the erection of schools and other buildings. They will also be responsible for organizing the work for and direction of subordinate staff.

Successful candidates are required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for permanent appointment according to merit.

Application forms may be obtained from the Architect to the Council, County Hall, London, S.E.1 (stamped addressed envelope required), returnable within ten days.

Canvassing disqualifies. (1642) 603

**MINISTRY OF WORKS.**

**ARCHITECTURAL ASSISTANTS (SENIOR GRADE).**

Applications are invited to fill vacancies for Architectural Assistants, to supervise Drawing Office Staffs in the following towns:—

Cardiff, Birmingham, Nottingham, Leeds, Tanbridge Wells, Bristol and Reading.

Candidates must have had a thorough training in Architecture and a good varied experience of the Supervision of drawing office staff.

Salary is up to £640 per annum, according to qualifications and experience. The appointments are in the first instance in an unestablished capacity, with possibility of permanent appointment.

Apply in writing, giving age, details of training, qualifications and experience, stating district preferred, to Chief Architect, Works General 10, Ministry of Works, Abell House, John Islip Street, London, S.W.1. 620

**COUNTY COUNCIL OF DURHAM.**

**TOWN PLANNING DEPARTMENT.**

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

(a) **THREE TOWN PLANNING ASSISTANTS, Grade V A.P.T. of the National Scale of Salaries (£460-£510 per annum).**

(b) **ONE PLANNING ASSISTANT, Grade II Miscellaneous of the National Scale of Salaries (£335-£360 per annum).**

(c) **ONE RESEARCH ASSISTANT (Female), Grade I A.P.T. of the National Scale of Salaries (£330-£375 per annum).**

In each case there is, in addition to salary, a cost-of-living bonus, (a) and (b) at present £59 15s. 3d., and (c) £48 4s. 8d. per annum.

Applicants for (a) should be suitably qualified for the post. For (b) previous experience in a Planning Office is required. For (c) applicants should be experienced in the duties of the post, which involves the collection and presentation of industrial and other research data on planning, and preferably should hold a suitable University Degree. The appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination by the Council's Medical Officer.

Applications, stating age, qualifications, present and previous appointments, with copies of two recent testimonials, should be delivered to the County Planning Officer, 10, Church Street, Durham, by noon on Monday, 23rd June, 1947.

**J. K. HOPE,**  
Clerk of the County Council.  
Shire Hall, Durham.  
31st May, 1947. 690

**BOROUGH OF WILLESDEN.**  
**APPOINTMENT OF ARCHITECTURAL**  
**ASSISTANT.**

The Council invites applications for the permanent appointment in the Borough Engineer and Surveyor's Department of

**ONE 2ND CLASS ARCHITECTURAL**  
**ASSISTANT.**

Applicants must have passed the Final Examination of the Royal Institution of British Architects or other examination recognized as equivalent by that Institute, and in addition be qualified for election to Associatehip of the Institute.

The salary attaching to the post will be Administrative, Professional and Technical Division, Grade IV, of the National Salary Scale for the London Area, £440 to £485, plus cost-of-living bonus, which is at present £59 15s.

Applicants for the above position should preferably have a general knowledge and experience of Architectural work obtained in the service of a Local Authority.

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

Applications, together with copies of not more than three recent testimonials, should be forwarded to the undersigned, endorsed "Architectural Assistant," not later than 10 a.m. on 23rd June, 1947.

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

(Sgd.) **R. S. FORSTER,**  
Town Clerk.

Town Hall, Dyne Road, Kilburn,  
London, N.W.6. 598

**LONDON COUNTY COUNCIL.**

Required at the Brixton School of Building, Ferndale Road, S.W.4, in September, 1947, a **HEAD OF THE BUILDING TRADES DEPARTMENT.** The Department provides part-time day and evening courses in the following Building Trades:—Brickwork; Carpentry and Joinery; Mastic-asphalt Work; Masonry; Plastering; Plumbing; Wood-cutting Machinery Work. Applicants should have a good experience of the industry and of the organization of technical courses in Building. Burnham scale salary for Grade II department, £750-£25-£850, plus £36-£48 London allowance, and an allowance for training. Application forms (stamped addressed foolscap envelope necessary) from the Education Officer (T.1), County Hall, S.E.1, returnable by 12th July, 1947. (1816) 601

**HARLOW DEVELOPMENT CORPORATION.**

Applications are invited for the under-mentioned whole time appointment, which is to be established in connection with the creation, under the New Towns Act, 1946, of a New Town at Harlow.

The officer to be appointed will be expected to work as one of a team, under the direction of the General Manager. The task involved in the creation of a New Town is of a pioneering kind, and calls for imagination, initiative, resource, and proved organizing ability of a high order. Applicants should show themselves possessed of this combination of qualities as well as of a recognized professional status.

**CHIEF ARCHITECT.**

Applicants should be Fellows or Associates of the Royal Institution of British Architects, and should have had wide experience of large-scale building operations. The successful applicant will be required to co-ordinate the design and planning work in connection with the development of the town and to act in conjunction with the Corporation's Consultant on Town Planning Architecture and Civil Design.

Applications in respect of the above appointment should be made on the appropriate form, to be obtained from the General Manager, Harlow Development Corporation, c/o the Ministry of Town and Country Planning, 11, Grosvenor Square, London, W.1, and must be received not later than 29th June, 1947. The form of application not only indicates the salary payable, and which will, in some measure, be determined by the experience of the applicant, but also gives further information relating to the appointment. 596

**BOROUGH OF CHELMSFORD.**

**ENGINEER AND SURVEYOR'S DEPARTMENT.**

Applications are invited for the following permanent appointments within the scale stated, plus cost-of-living bonus, at present £59 15s.

(a) **QUANTITY SURVEYOR (Grade V), salary £460-£510.**

(b) **ARCHITECTURAL ASSISTANT (Grade IV) (special maximum £480), £420-£480.**

(c) **ARCHITECTURAL ASSISTANT (Grade III), salary £390-£435.**

Applicants must have the recognized qualifications and experience for the various appointments, which are subject to the provisions and conditions of service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, and will be terminable by one month's notice on either side.

Applications, stating age, qualifications, present and previous appointments, and general experience, together with copies of three recent testimonials, should be forwarded to reach the undersigned by not later than Monday, 16th June, 1947. Canvassing in any form will disqualify.

**VINCENT J. WILLIS, M.I.Mun.E.,**  
Borough Engineer and Surveyor.  
Municipal Offices, Duke Street, Chelmsford.  
29th May, 1947. 597



## Tenders

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

LEICESTERSHIRE COUNTY COUNCIL  
EDUCATION COMMITTEE.  
BARROW-ON-SOAR COUNTY GRAMMAR  
SCHOOL.

The Committee invite TENDERS for Low-Pressure Hot Water Heating Installation and Domestic Hot Water Supply Apparatus, at the Barrow-on-Soar County Grammar School.

Tenders will be considered only from firms who can prove their ability—both as to organization and plant—to carry out these works in a limited period.

Application for a copy of the plans and specification should be made to the Architect, County Education Office, Grey Friars, Leicester. A deposit of five guineas should be sent, which will be returnable if the tenderer shall have sent in a bona fide tender and shall not have withdrawn the same.

Sealed tenders to be sent to this office, in the envelope provided, not later than noon on Friday, the 27th June, 1947.

The successful contractor will be required to enter into a bond with an approved guarantee company in a sum amounting to 20 per cent. of the total amount of the contract.

The Committee do not bind themselves to accept the lowest or any tender.

JOHN A. CHATTERTON,

Clerk of the County Council.

County Offices, Grey Friars, Leicester.

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## Architectural Appointments Vacant

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

ARCHITECTURAL ASSISTANT required immediately in busy London office. Working drawings, details, surveys, specifications and supervision of work. State age, qualifications, experience and salary required to Box 864.

SENIOR ASSISTANT QUANTITY SURVEYORS required for service with Contractors in Middle East on 2½ years' contract, at a remuneration inclusive of living allowances of £1,400 per annum; accommodation passage and kit allowance will be provided; facilities cannot be offered for wives and families; candidates should be under 40 years. Letters of application, which should give fullest details of age, state of health and experience, to be addressed to Box 540.

SENIOR ARCHITECTURAL ASSISTANTS required for Bristol office; permanent progressive appointments to experienced men able to act on own initiative, and prepared to travel extensively. Apply Mackintosh & Partners, 11, Orchard Street, Bristol, 1. Telephone No.: 26126. 522

ARCHITECTURAL ASSISTANTS required by London Architects, with large general practice; excellent prospects. Write, stating experience and salary required. Box 967.

ARCHITECTS.—SENIOR DRAUGHTSMEN required, with experience in modern industrial work, housing, and school design; applicants should forward experience, testimonials, and salary required. Sandy & Norris, 134, Newport Road, Stafford. 512

THE GAS LIGHT & COKE CO.—SENIOR ARCHITECTURAL ASSISTANT required; preferably experienced in the design, alteration and maintenance of industrial buildings, and capable of preparing surveys, working drawings, details and specifications; knowledge of quantities would be an advantage; salary according to experience and qualifications. Applications, giving age and full particulars of experience and qualifications, should be sent to the Staff Controller, Gas Light & Coke Co., 30, Kensington Church Street, W.8. 508

COMPETENT ASSISTANT required in the Architect's department of a company in Birmingham; permanency. Applicants should give details of experience, age, and salary required to Box 545.

ARCHITECTURAL DRAUGHTSMAN required immediately for Eastbourne Architect's office; experienced in surveys, working drawings, details, and private practice requirements; salary by arrangement. Apply Box 553.

ARCHITECTURAL ASSISTANT (Senior) required; experience of industrial and commercial work; able to take complete charge of a job. Cruickshank & Seward, Manchester. 564

ARCHITECTURAL ASSISTANT required urgently; experienced in preparation of working drawings, details, surveys, levelling, etc.; salary up to £400 per annum, according to experience. Apply to L. F. Halton, Architect, to E. O'Sullivan, Ltd., Cray Avenue, St. Mary Cray. 585

ARCHITECTURAL ASSISTANT required immediately in Construction Department of large industrial company, preferably with industrial and commercial experience; surveys, levels, and sound knowledge of construction; must be good draughtsman. Apply, stating age, experience, and salary required, to Box 568.

EXPERIENCED ESTIMATOR AND QUANTITY SURVEYOR required; qualifications preferred, but not essential, in connection with large housing contracts, factory work, etc.; salary offered, £500 to £600 per annum, subject to experience. Please write or phone L. F. Halton, L.R.I.B.A., E. O'Sullivan, Ltd., Cray Avenue, St. Mary Cray, Kent. Phone: Orpington 3737. 569

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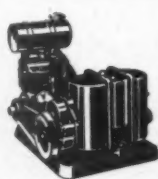
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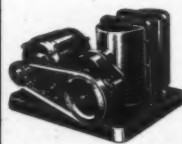
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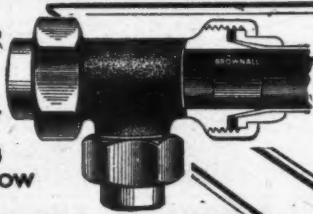
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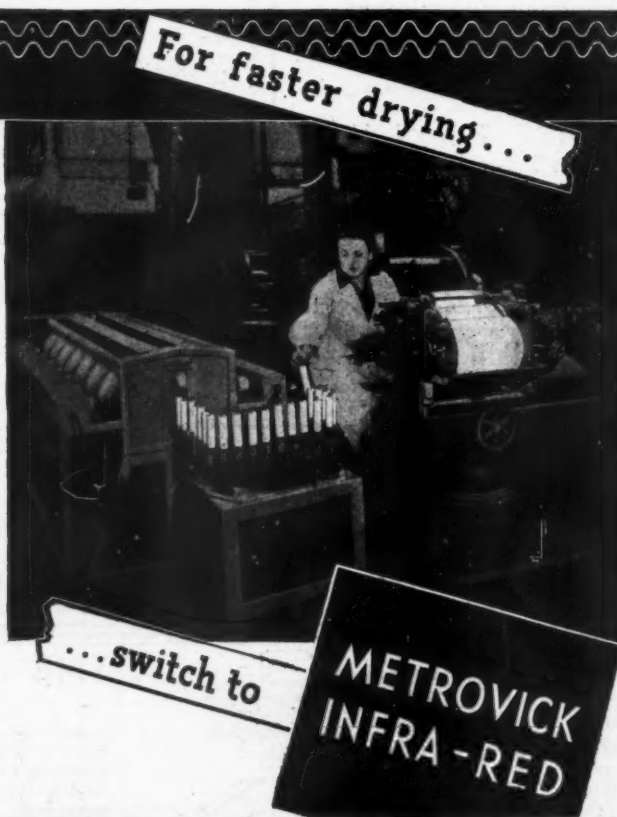
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