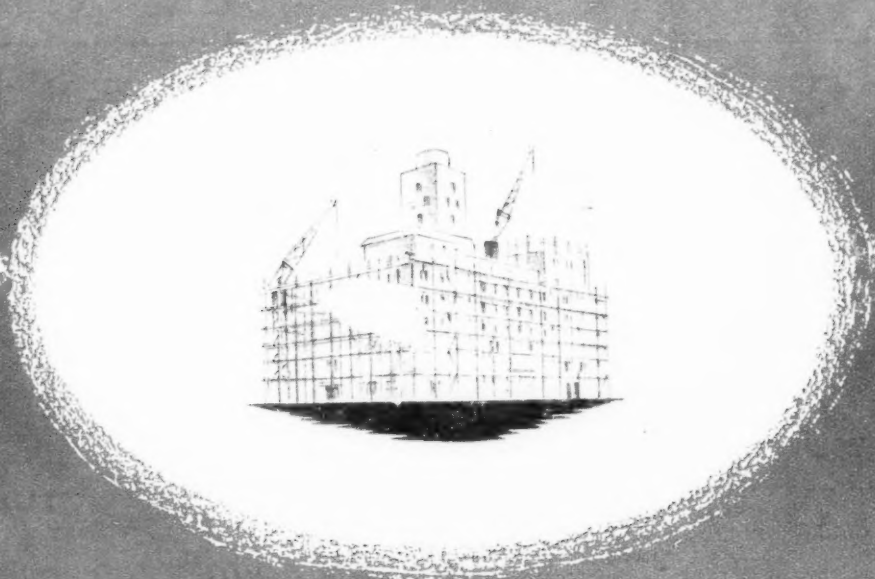


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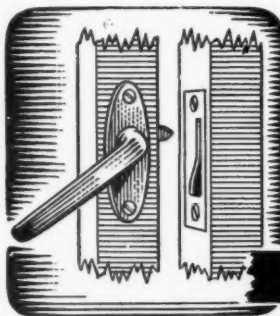
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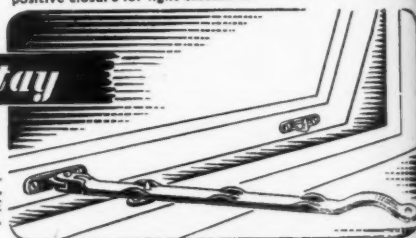


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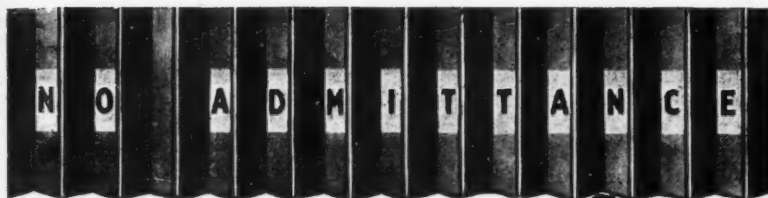


vent
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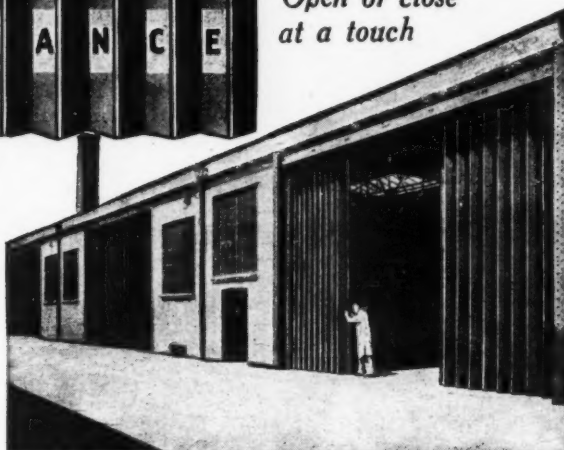
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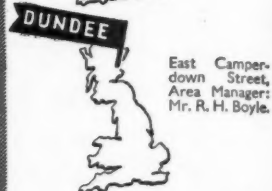
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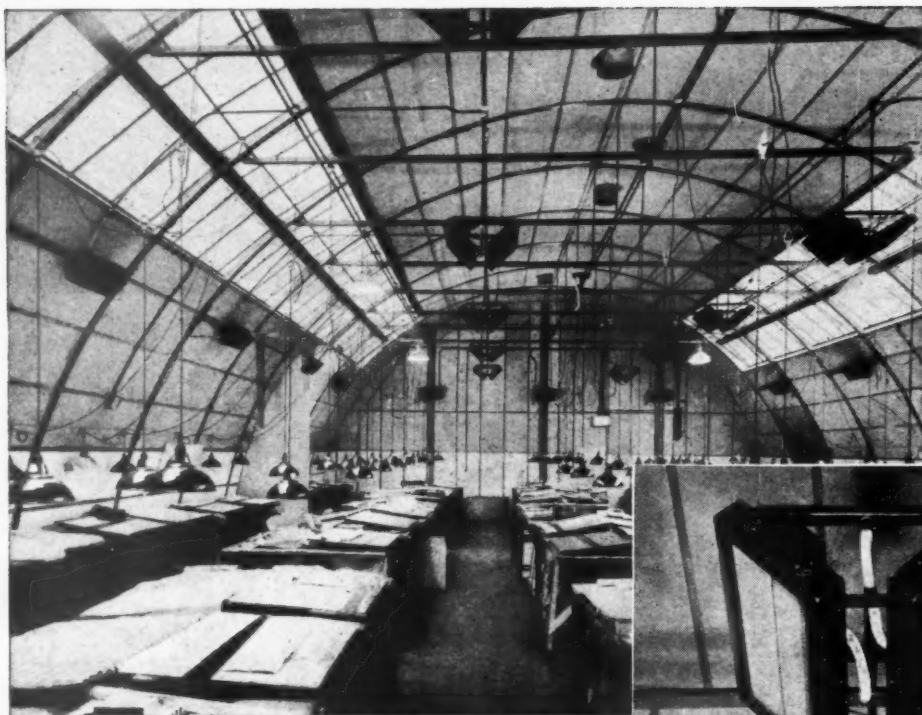
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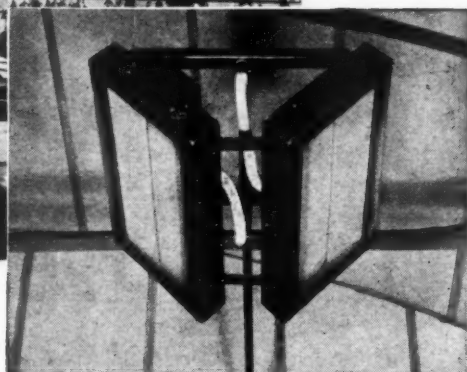
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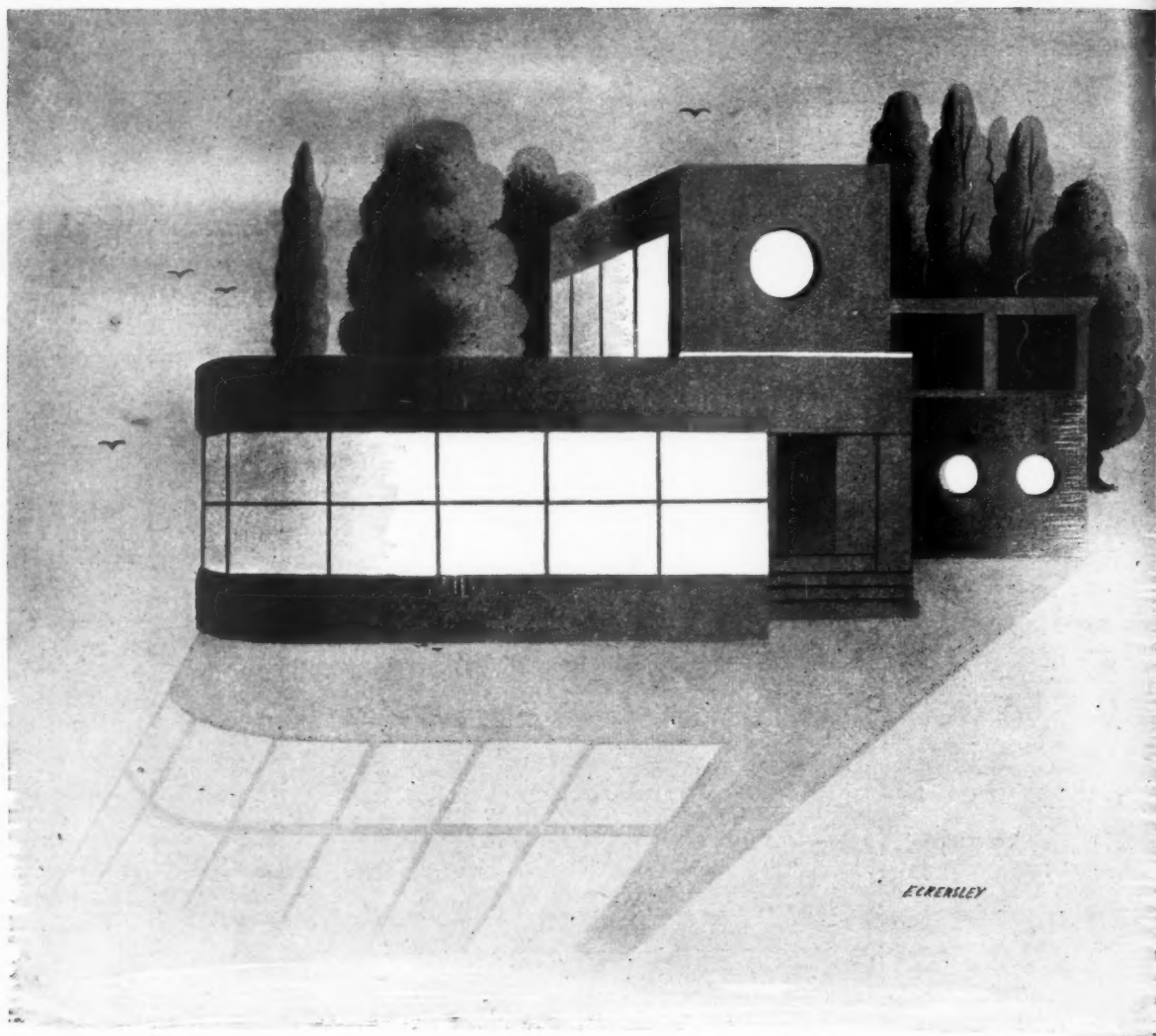
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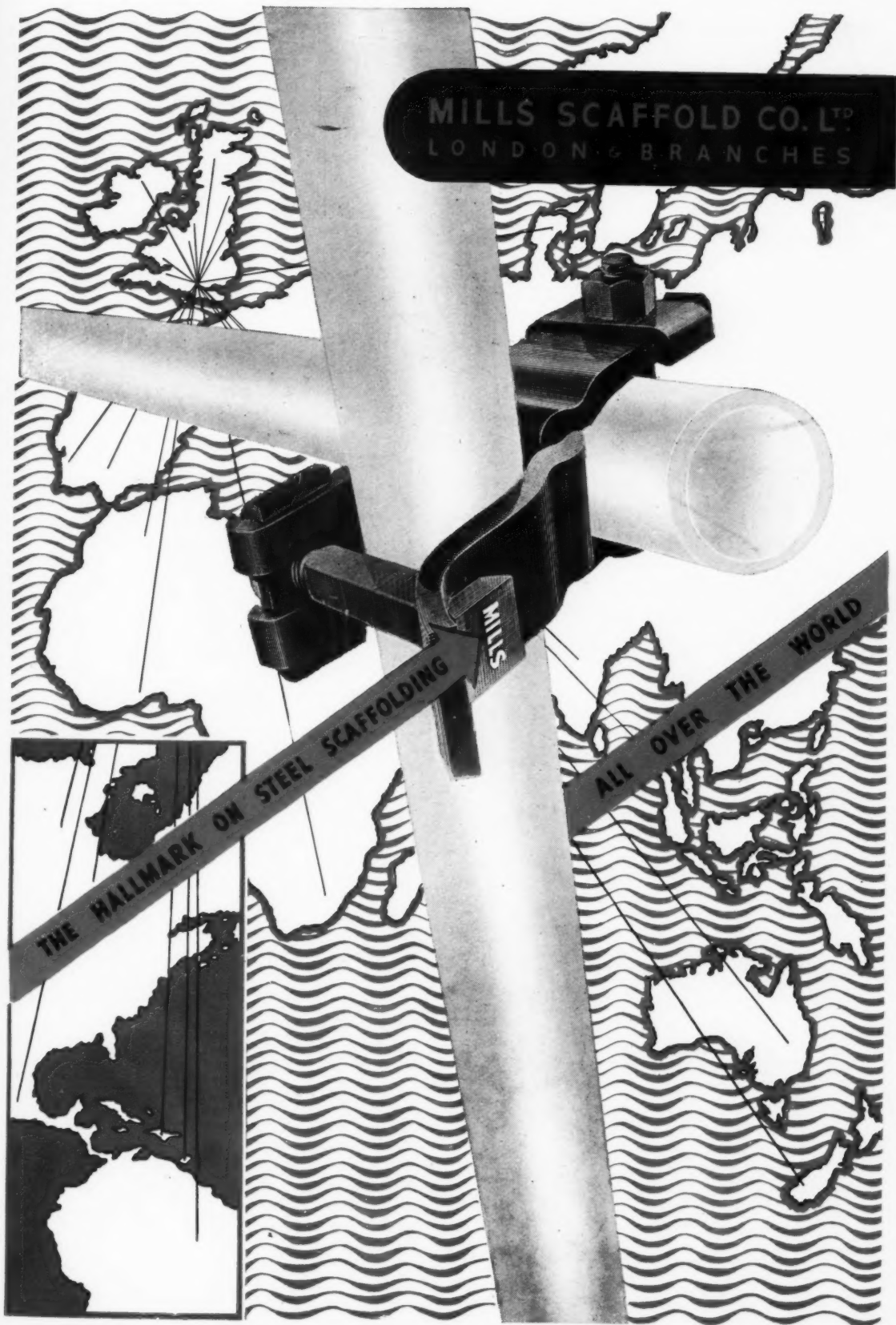


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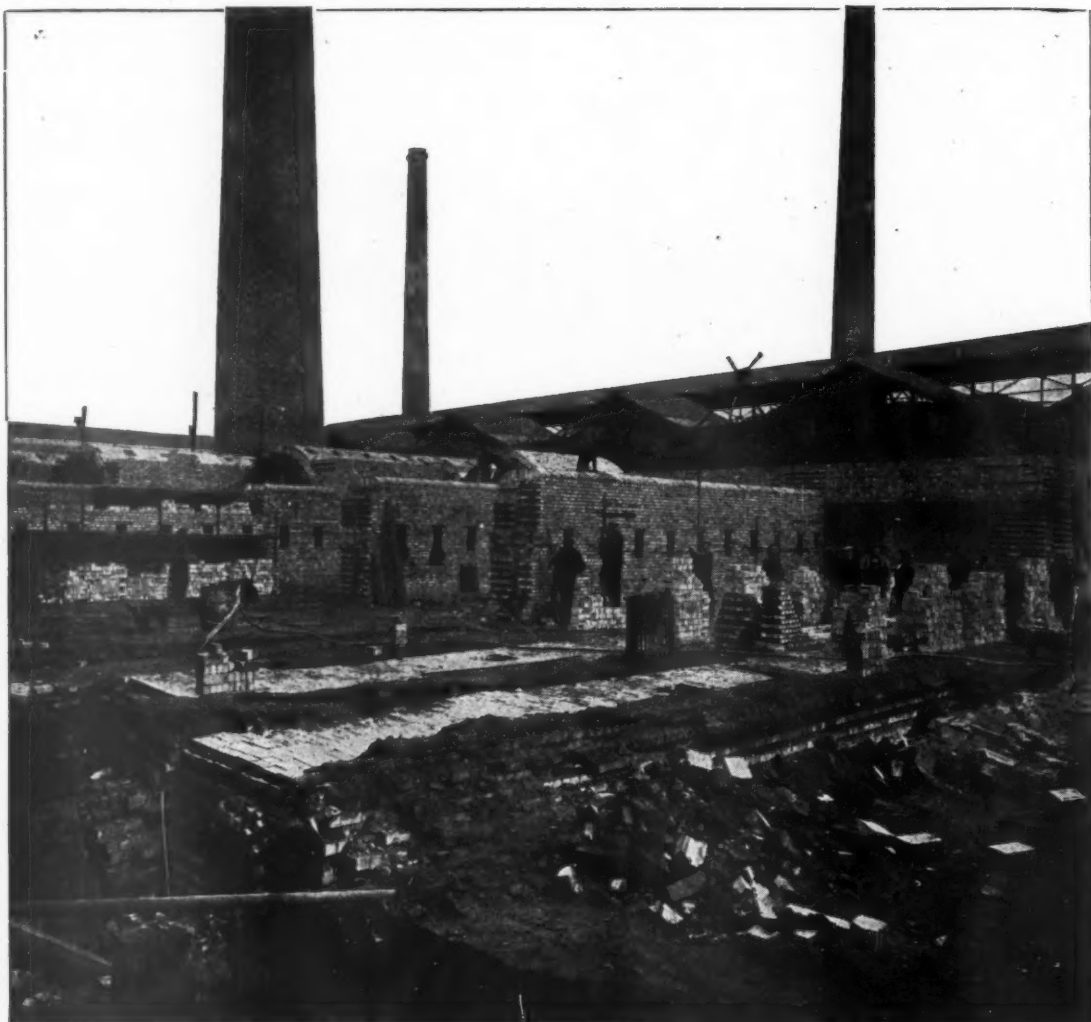
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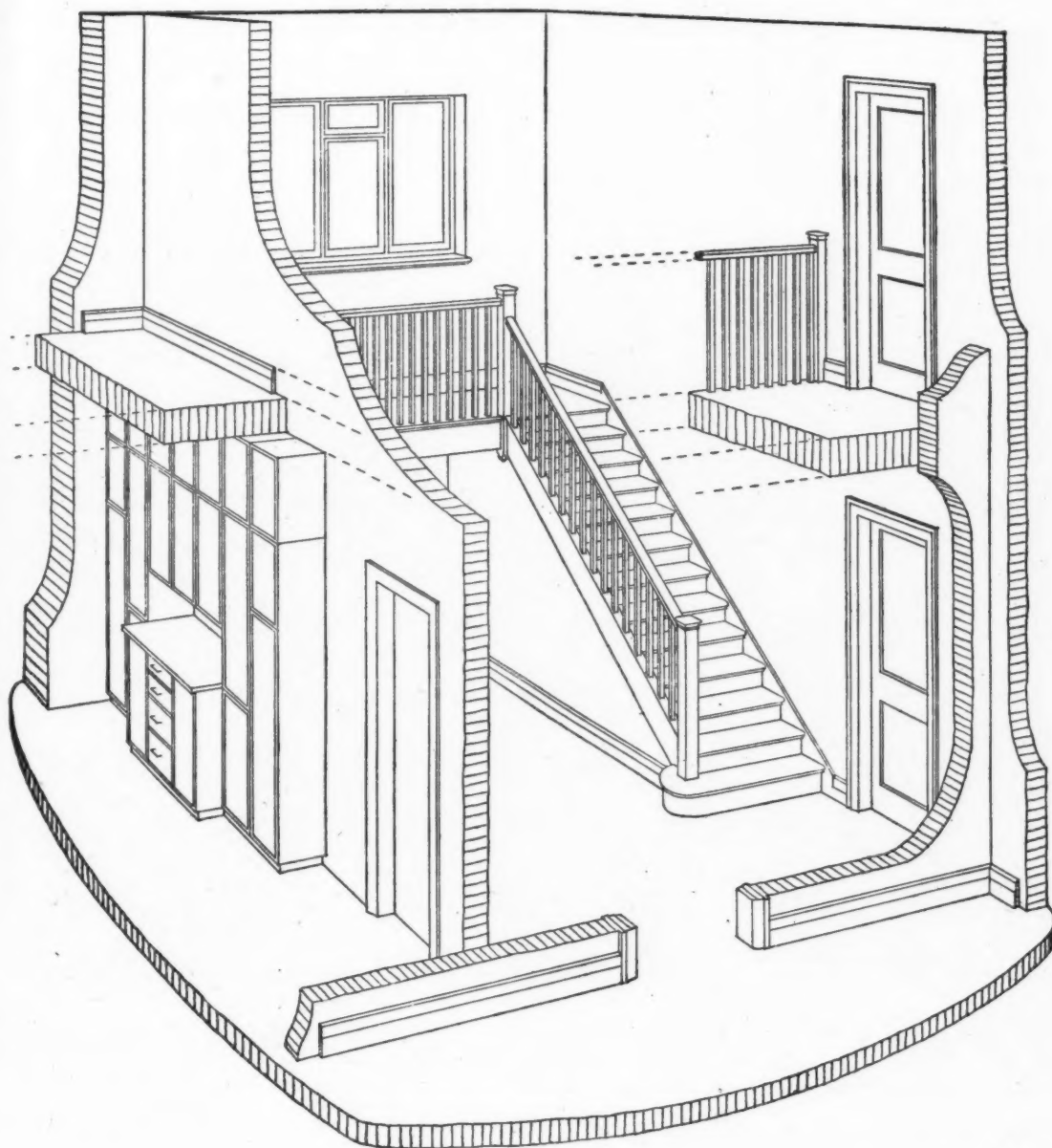
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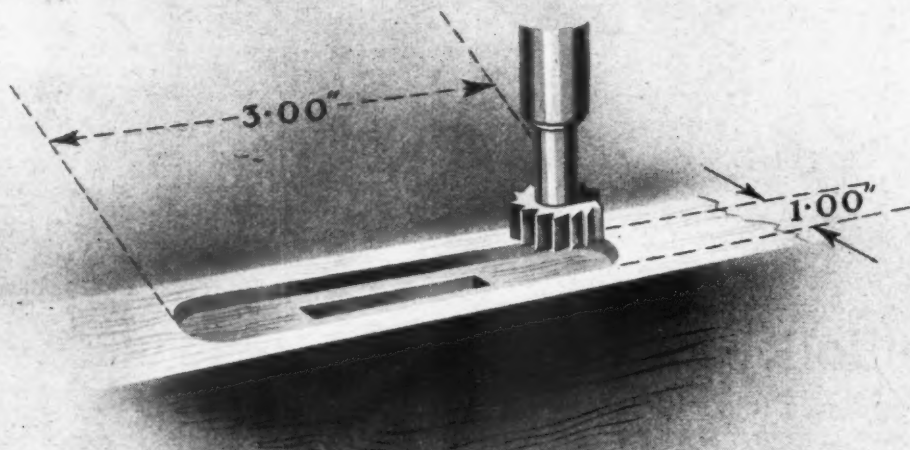
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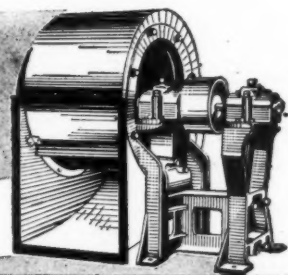


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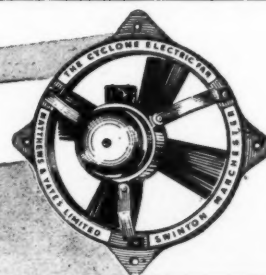
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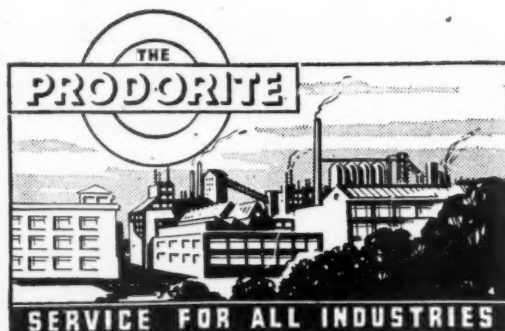


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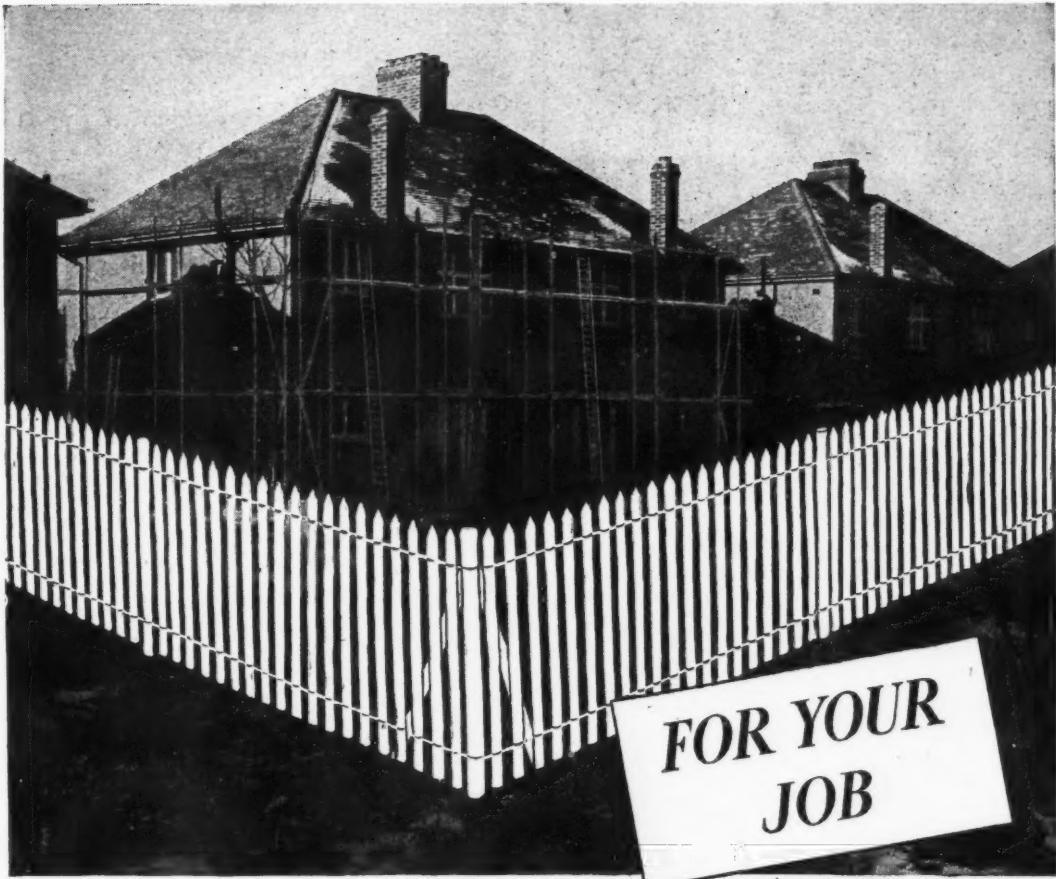
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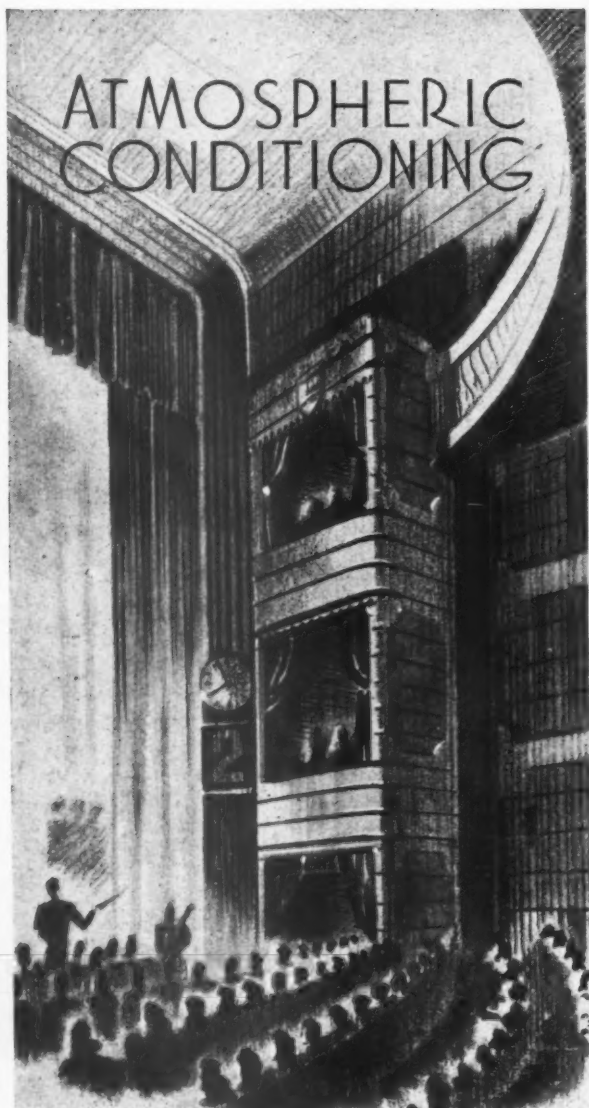
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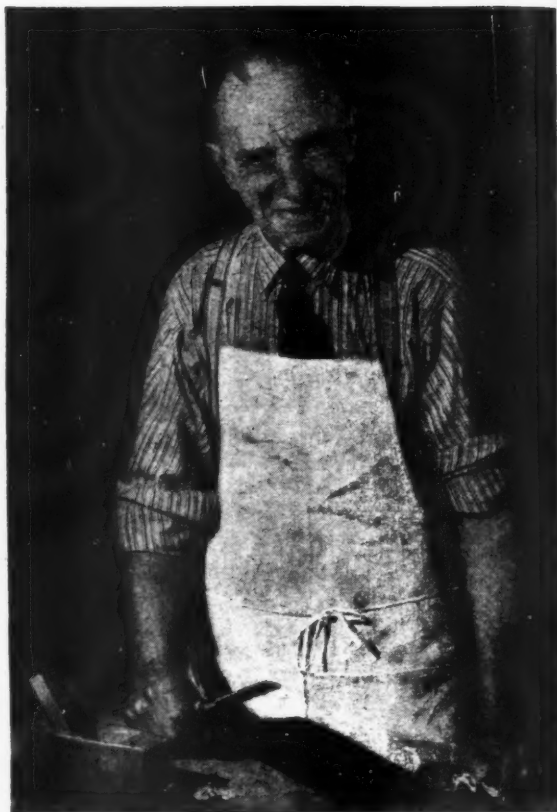
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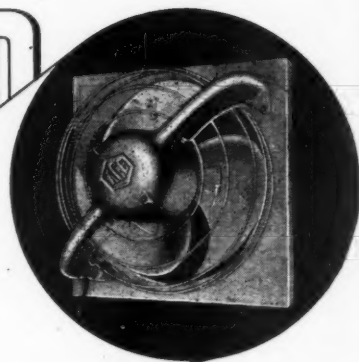
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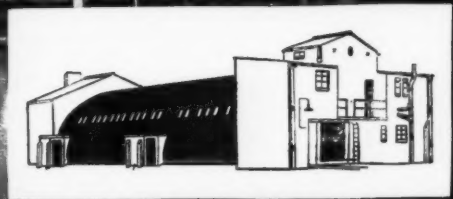
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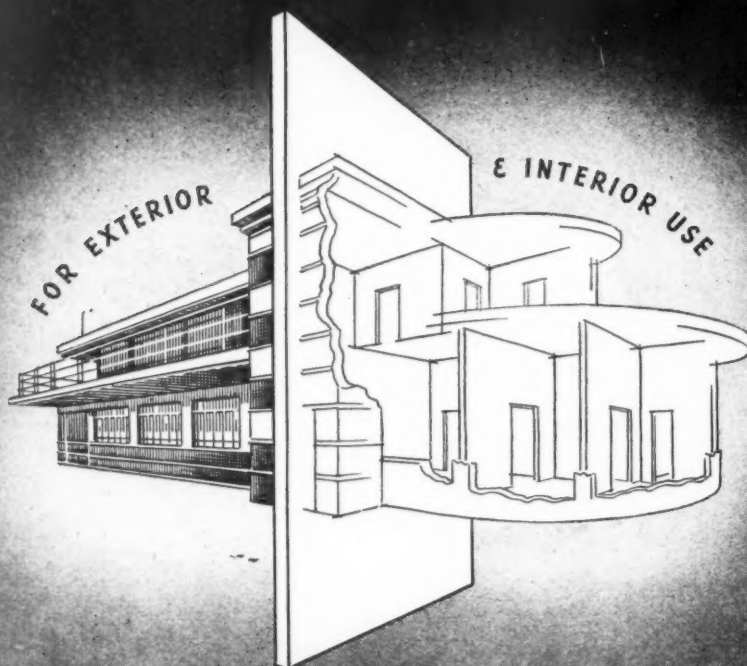


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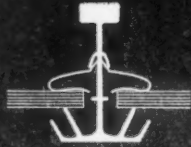
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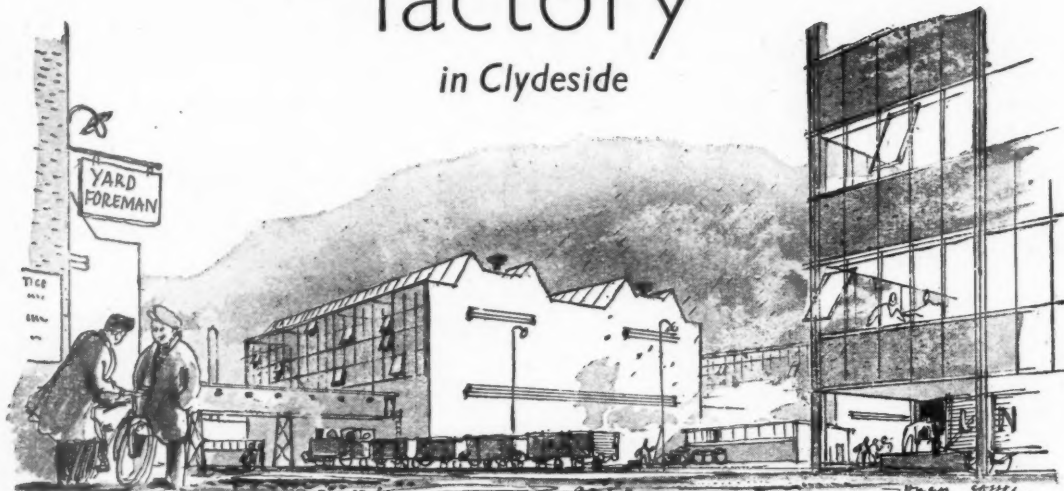
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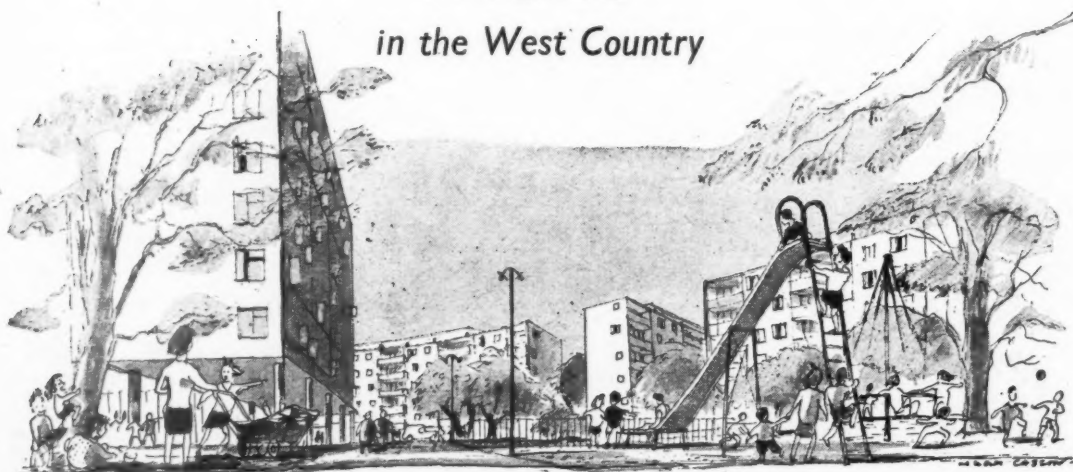
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In common with every other periodical this JOURNAL is rationed to a small part of its pre-war needs of paper. Thus a balance has to be struck between circulation and number of pages. We regret that unless a reader is a subscriber we cannot guarantee that he will get a copy of the JOURNAL. Newsagents now cannot supply the JOURNAL except to a "firm order." Subscription rates: by post in the U.K. or abroad, £1 15s. od. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 15s. each; carriage 1s. extra. Goods advertised in the JOURNAL and made of raw material now in short supply, are not necessarily available for export.



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.

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.) JUNE 11-14

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

R. L. Reiss, Vice-Chairman of Executive, Town and Country Planning Association. *A Master Plan for England and Wales.* Last of a series of seven lectures on Planning. At the Planning Centre, 28, King Street, Covent Garden, W.C.2. Admission 2s.; students, 1s. (Sponsor, TCPI.) 6 p.m. JUNE 10

Czechoslovak Architecture. At 66, Portland Place, W.1. An exhibition of historical, pre-war and current Czechoslovak architecture. (Sponsor, RIBA.) JUNE 10-24

London Master Builders Association, Central Area No. 1. 58th Ordinary General Meeting at Derry and Toms Restaurant, Kensington High Street, W.8, preceded by a Luncheon. (Sponsor, LMBA.) 2 p.m. JUNE 11

Sir Kenneth Clark. *International Gothic and the Italian Renaissance.* At the Royal Society of Arts, 6-8, John Adam Street, Adelphi, W.C.2. (Sponsor, RSA.) 5 p.m. JUNE 11

Coal—Britain and Europe. Conference of the Women's Advisory Committee on Solid Fuel. At 6, Stanhope Gate, Park Lane, W.1. Speakers include Sir Charles Ellis, Scientific Member, National Coal Board; and J. Eaton Griffith, Chairman, European Coal Organisation. (Sponsor, WACSF.) 2.15 p.m. JUNE 11

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

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

LUTON. *Danish Domestic Design Exhibition.* At the Public Museum, Warndon Park. (Sponsor, the Arts Council.) UNTIL JUNE 7

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

TORQUAY. *Royal Sanitary Institute Health Congress.* At the Trinity Memorial Hall, Park Street. (Sponsor, RSI.) UNTIL JUNE 7

N E W S

THURSDAY, June 5, 1947
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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.

★

Senor Don Leopolda Arturo, an URUGUAYAN ARCHITECT and his wife, an educationist, are visiting this country under the auspices of the British Council to study new developments of professional interest. Senor Arturo, a practising architect in Rio de Janeiro and Montevideo until 1945, recently represented his country at the Milan Town-planning Exhibition. He holds professorships in Universal History, Artistic Culture and Architecture, and is Assistant Director of the Archaeological Institute of the Faculty of Architecture. Senora Arturo is a Professor of World History and of American and Uruguayan History. She will see schools in London, including St. Paul's Girls' School, Hammersmith, and then visit Edinburgh, Birmingham and Oxford to see how the 1944 Education Act is being applied and to visit girls' and mixed schools.

East Suffolk and Ipswich Councils are uniting to fight the Central Electricity Board's plan to erect high-tension cables in THE RIVER ORWELL VALLEY.

Mr. T. B. Oxenbury, county planning officer, said that the Board propose to put up—in one of the most beautiful parts of Suffolk—70 150 ft. high pylons, each with a leg span of 250 ft.

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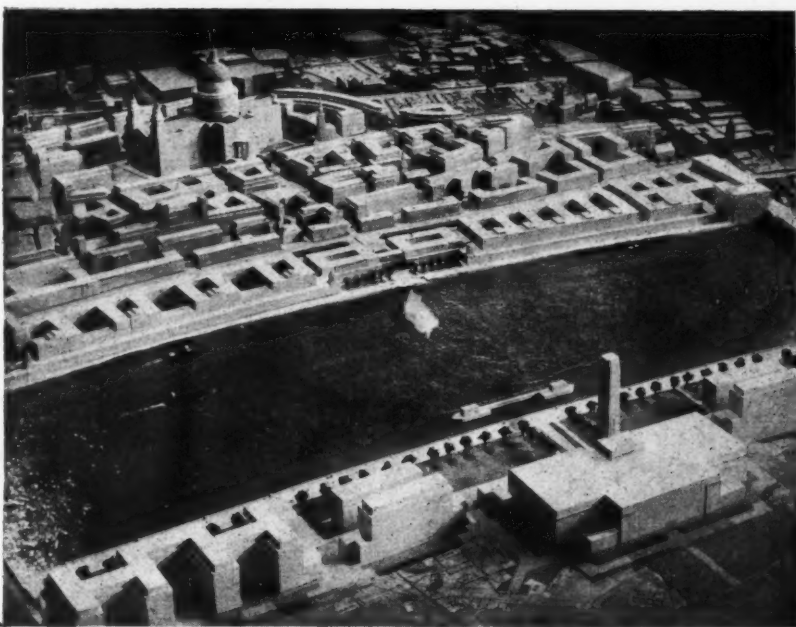
THE ANTIQUITY OF DUBLIN. [From Excursions through Ireland, by Thomas Cromwell, London, 1820.] The high antiquity of Dublin is indisputable; that it was a place of some importance even 1,600 years back is not to be questioned, since Ptolemy who wrote in A.D. 140 mentioned it under the name of *Eblana Civitas*, and places it nearly under its actual parallel. Circumstances relative to it in the year 191 occur also in the Irish historians; and in King Edgar's charter, dated at Gloucester in 964, it is called "the most noble city of Dublin." From the fact that hurdles anciently afforded the only means of access to the lower parts of the town next the river, the Irish to this day give it the appellation of *Ath-Cliath*, the ford of hurdles; and *Bally-Ath-Cliath*, the town on the ford of hurdles.

★★
In the House of Commons Mr. Wilson Harris raised the question of the **BANKSIDE POWER STATION**. Many other members opposed the scheme, but Mr. Silkin said he had Cabinet support, and would go on with his plans.

Mr. Silkin gave an assurance that before the scheme went forward he would satisfy himself that sulphur fumes from the station would be dealt with in such a way that they would not endanger the fabric of St. Paul's. As to the redevelopment of the south bank, he said it was incorrect to think that the County of London plan provided for cultural and recreational facilities on the Bankside site. The plan provided for shops and flats, with light industrial buildings behind. It was never intended that the plan should or could be carried out literally. This part of the south bank was to be dealt with in the last of the three stages of the plan. So far the LCC had not committed itself to the nature of the development beyond Waterloo Bridge. It did not follow, perhaps in 30 years' time, that the LCC would take the same view as Sir Patrick Abercrombie had. In raising the question, Mr. Wilson Harris asked the Government what heed they proposed to pay to the impressive democratic voices which had been raised in opposition to the project. In the great plan for London the county had something more imaginative and finer than had ever been constructed before in our history. With the Bankside in particular there was a fine endeavour to make it what it was in Elizabethan days, a great cultural and recreational centre. That imaginative conception ought not lightly to be jeopardized. Within the next 10 years there was to be immense educational development and facilities in London would have to be increased twofold. Could a better site for this development be imagined, with, perhaps, the establishment of a new university, say of Southwark—with a Silkin College, far better than Silkin's folly? He pleaded with the Government not to take action which would prevent such a conception. During the debate many other members opposed the scheme, but Mr. Silkin in his reply as stated above, announced his decision to go on with his plans. See also A.J., May 15.

R. O. C. Hurst, J.P. Sir Ernest Gowers is Chairman of the Coal Commission, was Regional Commissioner for Civil Defence, 1939-1941; and Senior Regional Commissioner 1941-45. Major-General Pakenham-Walsh was Chief of Staff, Eastern Command, 1935-39; Inspector Royal Engineers and Commandant of the School of Military Engineering, 1939, and Engineer-in-Chief to Lord Gort with the B.E.F., 1939-40. He is Controller General of Army Provisions to Eastern Group. Mr. Allsop is a Chartered Surveyor and a Fellow of the Surveyors' Institution, Fellow of the Auctioneers' Institute, and Senior Partner in the firm of Allsop and Co.. He had con-

siderable experience in the development of London properties and estate management. Councillor Joyce is a Member of the Edmonton Borough Council (which is one of Authorities intending to export population and industry to Harlow), and a Member of Middlesex County Council. His name was put forward by Edmonton Borough Council. Councillor Mrs. Newton is a Member of Epping RDC by which authority her name was put forward. She is a retired teacher and a Member of Forest Division of Essex Education Committee. Alderman Reed is a Member of Tottenham Borough Council, by whom his name was put forward; Mr. D. H. Whinney is a partner in the firm of Whinney, Smith and Whinney, Chartered Accountants; and Lady Russell has made a special study of housing conditions and town planning in America. Mr. Hurst, J.P., is a Member of Essex County Council, Chairman of Thameside Development Board, President of English National Council of Development Committees, Member of the Grand Council and General Committee of the Travel Association, and Chairman of Essex Boroughs and District Councils Association.



Replying to a debate in the House of Commons, Mr. Silkin said he proposed to give consent to the erection of the Bankside Power Station. During the debate Members of both sides of the House opposed the scheme, and points from two of the speeches are given in the News Item on this page. The two photographs above are of the model, made by John B. Thorpe, of Sir Giles Gilbert Scott's design for the power station. That at the top is taken from the north of the river; and that at the bottom from the south showing St. Paul's Cathedral set in the new layout for the north side, as proposed in the City of London Plan, by Dr. C. H. Holden and Professor W. G. Holford. The City of London Plan was made public on May 22 and published in a special issue of the A.J. on the same day.

The Minister of Town and Country Planning, Mr. Lewis Silkin, M.P., has appointed the following as members of the Development Corporation for the establishment of the **NEW TOWN AT HARLOW, Essex.**

Sir Ernest Gowers, G.B.E., K.C.B. (Chairman), Major-Gen. Pakenham-Walsh, C.B., M.C. (Vice Chairman), B. G. M. Allsop, J.P., J.C., County Councillor T. H. Joyce, Councillor Mrs. E. A. Newton, B.A., Alderman A. Reed, D. H. Whinney, Lady Russell,



Dublin Scene

Above: Hardwick Street and St. George's Church; below: Upper Mount Street from Merrion Square. Some notes on Georgian Dublin for the use of visitors to the RIBA Conference next week will be found on page 474 and following.

Under the auspices of the Town Planning Institute and the British Council, four DUTCH ARCHITECTS AND TOWN PLANNERS are visiting this country.

The visitors are Dr. F. Bakker Schut, Director of the Dutch Government Service of National Planning; Mr. W. M. Dudok, formerly Director of Public Works at Hilversum; Mr. J. Vink, Chief of the Public Works and Housing Section at the Town Clerk's office at Utrecht; and Mr. C. van Traa, Director of Town Planning at Rotterdam.

The Northern Ireland Minister of Finance announces that because of the shortage of materials, no further APPLICATIONS FOR BUILDING LICENCES will be entertained for three months, during which time the erection of houses will be authorised only in the most exceptional circumstances.

After an assessment of the supplies likely to be available, the Government has come to the conclusion that every effort should be made to complete within a reasonable time the considerable number of houses which has already been licensed. It was, in the Government's view, of the first importance that, while every effort should be made to increase the supply of building materials, such materials as were available should be used to the best advantage. It was clearly better that as many dwelling-houses as possible should be completed, rather than that a larger number should be started, many of which could not, owing to shortages of materials, be completed in the near future. The Housing Trust were so far committed in advance that no further contracts would be placed by that body during the three months. While the temporary embargo would not apply to houses being constructed by local authorities, the Government expected that such bodies would concentrate their efforts primarily on the completion of housing schemes upon which they had already embarked. Up to now, the housing programme in Northern Ireland has provided new separate accommodation for 2,571 families. Permanent accommodation had been provided for 1,032 families, the remainder representing pre-fabricated bungalows and other temporary accommodation. Various commitments already undertaken will provide for 12,700 families in all.

★

The result of the ballot for OFFICERS AND COUNCIL of the AA for the Session 1947-48 is as follows:

President: Howard Robertson, M.C., S.A.D.G., F.R.I.B.A. Vice-Presidents: R. E. Enthoven, F.R.I.B.A., A.A.DIPL., Eric L. Bird, M.C., A.R.I.B.A. Hon. Secretary: Anthony M. Chitty, M.A., A.M.T.P.I., F.R.I.B.A., A.A.DIPL. Hon. Treasurer: Henry Braddock, A.R.I.B.A., A.A.DIPL. Hon. Editor: Hugh Casson, M.A., A.R.I.B.A. Hon. Librarian: S. E. T. Cusdin, O.B.E., A.R.I.B.A., A.A.DIPL. Past President: Graham Dawbarn, M.A., F.R.I.B.A. Ordinary Members of Council: A. R. F. Anderson, F.R.I.B.A., John R. Atkinson, A.R.I.B.A., A.A.DIPL., Mrs. Anthony Cox, A.R.I.B.A., A.A.DIPL., F. E. B. MacManus, F.R.I.B.A., Lionel G. Pearson, F.R.I.B.A., Anthony Pott, A.R.I.B.A., A.A.DIPL., The Hon. Godfrey Samuel, M.A., F.R.I.B.A., Peter F. Shephard, B.A.R.C.H., A.M.T.P.I., A.R.I.B.A., Bryan Westwood, A.R.I.B.A., A.A.DIPL., Hilton Wright, A.R.I.B.A., A.A.DIPL.

The Editor of The Irish Times says:

WELCOME TO IRELAND

IT is a pleasure and a privilege to welcome the members of the Royal Institute of British Architects to Dublin for their first post-war conference. Since their last meeting in Dublin in 1939, British architects have been confronted with a new task and a new responsibility. The cities of Britain have suffered many and grievous wounds, which it will take all the skill of her architects to heal. Upon their vision and ability depends the construction of a new Britain, with cities of more light and air and freedom; they will, to a great extent, shape the conditions of life for the people of tomorrow. We in Ireland hope that their brief sojourn in a city which has been fortunate enough to escape unscathed from the holocaust may send them back refreshed to undertake their massive task.

What interest will Dublin hold for the visiting architect? That is a question which it is hard for me, as a mere journalist, to answer. I cannot help wondering whether he will feel, as I do, that much of the atmosphere of this city comes from its strange mixture of rich and poor, its *pauperum tabernas regumque turres*; whether he will agree that some of its attraction is in such pieces of rich-unplanned confusion as the multi-coloured fronts of its quayside shops.

The foundations of modern Dublin were soundly and securely laid by the great builders of the eighteenth century. From their hands came the great structures around which it has grown up—Gandon's magnificent Customs House, the Parliament House (now the Bank of Ireland), and many parts of Trinity College. The Wide Streets Commissioners of that period were our first town planners—and a noble job they did. To them we owe the layout of our principal streets, and the elegant seclusion of such places as Fitzwilliam Square. In the same tradition were the builders who put up their graceful brick houses all over the city—in Gardiner Street, Mountjoy Square, York Street, Baggot Street, and indeed throughout almost the whole inner residential area.

The Victorian age, however, added as little to the beauty of Dublin as to most other cities; and, as the twentieth century came in, the decline of the great establishments was already bringing down many of the fine streets into decay. The Georgian mansions fell through shabby gentility to become squalid tenements with a whole family in each huge room. What we in Ireland call "the relics of old dacincy" were seen everywhere.

I would be proud to be able to say that, since the foundation of the Irish State in 1922, we have changed all that; but it would be manifestly untrue. Many of the plague-spots remain—in what were Dublin's most elegant quarters. The better-off residents have tended to move farther out, to build their own houses or inhabit the estates provided by the speculative builders, and the city has grown as an unplanned

sprawl. The drive to clean up the slums has created new working-class colonies whose architecture may be worthy but fills me with no æsthetic joy; and in our public buildings we have tended to be safe and solid rather than imaginative. Happily, I believe that we may now be at the beginning of a new period, in which sane planning and intelligent architecture may be the keynote of our development. The Greater Dublin Plan lays the foundation. The airport at Collinstown, of which we are all proud, is an example of a new vision in our public architecture, and we trust that the State concert hall which we have recently been promised will give us another noble and dignified edifice. As for ordinary housing, the layman like myself cannot foresee the line of advance—whether it will be through prefabrication, as some of the younger men insist, or simply by modification of traditional methods and design. I know, however, that there are many vigorous young architects now in the profession, and I feel that we may safely leave the future in their hands. I hope and believe that they will profit by their contact this month with their colleagues from what we still regard as our sister countries.

R. M. Smyllie.



The Architects' Journal

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

IRISH PREVIEW

To-day the wise visitor enters Ireland ready to be enjoyably surprised at each good thing that Britain hasn't got; and there are many such things. To go the other way about it—to swoop on Éire as on a materialist's Paradise—is to risk meeting her austerities edge on, instead of threading your way round them in

the way the natives do. Cigarettes cost 1s. 8d., but if you get 10 without visiting three shops, you are lucky; only the most elegant hotels and houses can do you more than a kettleful of hot water; the flash point of Dublin's scanty peat cannot easily be reached in a May evening (the current jest is to complain that it should be sold by the pint); and, above all, do not forget to bring your own soap.

Yet when these things have been accepted or evasive action taken, the compensations must be admitted to be worth a lot. They include any amount of chocolate and oranges, plenty of other less common foodstuffs (but not bread, butter, tea or sugar) and, in well made variety (mostly British exports), all the things you've been looking out for as a sign of real peace returned: radio sets, garden tools, what you will—and, of course, nylons. That which cannot be consumed during your stay must, however, be looked at with circumspection, if not detachment. The Irish customs say they will lift from you on your way out everything bought in Éire, and although the stories of self-conscious Britons stripped to Utility vests on the quay may be put about by An Taoiseach himself, you would be unwise to rely on getting afloat with more than a few trifles and a pair of nylons in your tobacco pouch.

After two days or so the eyes move more easily away from shop windows and impressions on other subjects begin to sort themselves out. One of the strongest is that of the high proportion of buildings, in small towns as well as in Dublin, that have recently been redecorated. This large scale operation, of fiscal origin, has a double interest. It suggests that the famous old Irish habit of going downhill in men, land and buildings is beginning to die out; and it impresses the Briton vividly with the importance of maintenance in the urban scene. A dozen well-painted, well varnished buildings together give a gloss, an effect of well-being and conviction to all goings on in their neighbourhood. Money spent in repainting British towns will be very well spent.

The next impression is that Dublin has hit on just the right density for a thoroughly civilised city. At the Zoo on a fine afternoon, in Grafton Street on a Saturday morning, at Ballsbridge on the last day of the Spring Show, the feeling comes again and again that there is enough people to fill the scene properly and apparently make the whole show pay, but not so many that communications are choked all over the place and all daily journeyings become journeys as one of a crowd. The relief is so noticeable that one suspects that a multitude of Greater Londoners are suffering not from post-war strain but from unrecognised agoraphobia. The absence of acute congestion in central Dublin would seem to be a direct result of its wide streets and low density of buildings.

To the casual visitor, the great majority of streets for half a mile around St. Stephen's Green appear to be at least 60 feet wide and about half of them must be 80 or 90 feet wide; and, in the new jargon which we must all learn soon, I doubt whether the *Floor Space Index* of the same area exceeds 1.0. Yet I cannot see that it could be seriously maintained that buildings in central Dublin are too low or too widely spaced to fulfill the reasonable needs of a large city. Mr. Silkin's experts should not overlook Dublin.

A prosperous solicitor said firmly that there were no architects in Ireland. This

is the right way to treat a visiting architect. You know he is about to judge the local architects by far higher standards than he applies at home, so you give him the whole game at once; and at once his *esprit de corps* is touched; he bristles a little behind the politeness suited to a guest, and from then on becomes a fair critic. The most noticeable new buildings in Ireland are the new middle class suburban houses, the churches and the national or local authority rural housing. Ireland is a religious country; every other town seems to have a new or newish church, and there, if anywhere, one might expect a new flowering of church architecture.

Judging from the two or three churches I have seen close up, the opportunity has not been taken; the ones I saw were deplorable. The suburban houses tend to be single-storey, cream rendered with red brick dressings, and are generally in Road-House Modernistic which might have been left to wither where it grew in the Home Counties. The mass of rural housing is decent without being enthralling.

The houses are usually single-floor, with 2/3 rooms, and are built in short terraces. The walls are whitish and the roofs dark machine made tiles. I am sorry that the tiles could not have been slates, and I am told none of the houses has a bathroom and few have any indoor water supply. But one must remember there are a lot of these houses and they mark a great improvement on cabins that have no place in the modern world outside Paul Henry's pictures. Moreover, a minority of local authority houses (for example, the two-storey houses at Portarlinton) stand comparison with the best work in Britain.

The mass of new building in Eire is therefore no better than in most buildings in Britain. But there are quite enough exceptions to prove the Dublin solicitor wrong. During a week's journeyings that had no architectural purpose I have seen well over a dozen new works of real interest and no doubt British visitors next week, who will have the benefit of expert guidance,

will see many more. Those I recollect include: the men's lavatory at the Shelbourne Rooms, a bar called *At the Sign of the Zodiac*, new workshops for Messrs. Sisk near Fitzwilliam Square, a hospital extension at Dun Laoghaire, villas half way round Killiney Bay, a shop and bar at Kildare, and the already mentioned houses at Portarlinton.

Two warnings for visitors. Don't buy the one-inch Ordnance Survey map of Dublin and district in the edition reprinted in Dublin in 1944. This very naughty production is likely to make General Cheetham's hair stand on end; among other things, half the place-names are illegible. Finally, again, don't forget your soap.

NURSERY PREFABS

For harassed architect fathers is *Stories in Stone*, a pamphlet dreamed up by Godfrey Winn in praise of CASTOS, a new building block toy which heralds the arrival in the nursery of prefabrication and site assembly. With this invention, devised by a famous engineer with, says Mr. Winn, "the dark eyes of a visionary, the frame of a boxer, the hands of a craftsman and the heart of a child"—and, I'm afraid, if he permits this sort of publicity, the hide of an elephant—your infants can construct model replicas of Monk Wearmouth Church or the Eddystone Lighthouse. The process involves a series of operations such as mixing, casting in moulds, and final assembly, and is clearly a tremendous if messy advance on the old nursery block, and should be welcomed if only because it may in future eliminate the need for any more books explaining what prefabrication means.

ASTRAGAL



Pre-fabrication reaches the nursery. See Astragal's note.



LETTERS

G. Gneditch, A.R.I.B.A.

Competitions

SIR.—Summing up the discussion in the House of Commons upon the building of the new Colonial Office, the Minister of Works is reported to have said that the chief difficulties about competitions were that eminent architects did not compete, that there was no guarantee that any architect would be as good in practice as in design, and that competitions took a long time. In addition, the site was a difficult one. In the circumstances, it was deemed impossible to hold a competition.

Now, Sir, as to his first point, I am willing to be corrected, but other than those eminent architects chosen to be the Assessors, what eminent architect is debarred from entering or would be disinclined to take part in so important a competition? The field of entry for the competition for the RIBA building proves the fallacy of this belief.

As to his second point, it would be interesting to hear the views of the not inconsiderable number of our eminent architects who have risen to renown on the shoulders of the competition system.

If the implications of this view are to be generally accepted, an architect should enter a competition only on condition that he can satisfy the assessors that, in the event of winning the competition, he is practically able to carry out the work—in other words, that his office organization is up to it. On the face of it, this sounds common sense.

But is it either feasible or desirable to do this? If the competition system stands—as I believe it does stand—for the continuation of the principle of the soldier and his Field-Marshal's baton, it is disquietening to hear from a representative of a Government—which, together with its satellites, the local authorities, is to be the patron of the arts of the future—such hard-headed and unrepentant sentiments.

As to his other points, the contention that a competition would needlessly delay this project, is, under the present conditions in the building industry, as absurd as his last thrust is disarming in its ingenuousness.

Earlier in the debate, one speaker hoped that the architect chosen would commemorate the adventure and inspiration of the new era.

If he does, he will be singularly at variance with the sentiments of his employers. London.

G. GNEDITCH

RIBA CONFERENCE AT DUBLIN

From June 11 to 14 the headquarters of the conference will be at the Rooms of the Royal Institute of the Architects of Ireland, 8, Merrion Square North, Dublin. Members should call there as soon as possible on arrival to obtain Badges, information, etc., and to give their addresses in Dublin, if not previously notified. Until June 10 all correspondence on the subject of the conference should be addressed to the Secretary, RIBA 66, Portland Place, London, W.1.

PROGRAMME

Day of Arrival, WEDNESDAY, June 11

8.30 p.m. to 11 p.m. Informal reception at the Royal Hibernian Hotel, Dublin. Members will be the guests of the Royal Institute of the Architects of Ireland. Light refreshments. Music. Informal dress.

THURSDAY, June 12

11 a.m. to 12.30 p.m. Inaugural meeting at the Mansion House, Dublin. Reception and address of welcome by the Lord Mayor. Address by Sir Lancelot Keay, K.B.E., President, RIBA, followed by a paper on *Recent Trends in Hospital Design*, by J. Murray Easton, F.R.I.B.A., and S. E. T. Cusdin, A.R.I.B.A.

LUNCH. Members and guests will make their own arrangements for lunch.

3.30 p.m. Conference photograph

3.45 p.m. to 6 p.m. Garden party at Provost's and Fellows' Garden, Trinity College. Cost per head 5s.

7 p.m. for 7.30 p.m. Conference banquet at the Gresham Hotel. The guests will be received by the President of the Royal Institute of British Architects and the President of the Royal Institute of the Architects of Ireland. Cost of dinner (inclusive of wines and cigars), £2 5s. Evening dress. Decorations. Presidential badges.

FRIDAY, June 13

10.30 a.m. to 12 o'clock. Paper by William T. Benslyn, A.R.C.A., F.R.I.B.A., Architect to the Birmingham Education Committee, at 8, Merrion Square North, Dublin, on *Modern School Buildings*.

LUNCH. Members and guests will make their own arrangements for lunch.

2.15 p.m. Alternative Half-day Tours —

*Tour No. 1—*Headquarters—Trinity College—Bank of Ireland—St. Patrick's Cathedral. Cost per head, including tea, 9s. 6d.

*Tour No. 2—*Merrion Square South—Christ Church Cathedral—St. Michan's Church—Four Courts—Zoological Gardens. Cost per head, including tea, 9s. 6d.

*Tour No. 3—*Merrion Square South—Dublin Castle—City Hall—War Memorial Park. Cost per head, including tea, 9s. 6d.

9.15 a.m. Alternative Whole-day Tours.

*Tour No. 4—*Merrion Square South—Drogheda—Parish Church—Tower on Hill—Grammar School and St. Laurence's Gate—Beaulieu House—Lunch—Mellifont—Townley Hall—Tea at Piltown House (by invitation of Colonel and Mrs. McClintock)—Merrion Square South. Cost per head, including lunch and tea, £1 1s.

*Tour No. 5—*Merrion Square South—Dun Laoghaire—Dalkey—Vico—Ballybrack—Bray—Glen of the Downes—Walpole's Gardens, Laragh—(Lunch at Laragh House Hotel)—Glendalough—Greystones (Tea at the Grand Hotel)—Merrion Square South. Cost per head, including lunch and tea, £1 1s.

9 p.m. to 3 a.m. Conference dance at the Gresham Hotel. Cold supper. Cost per head, 15s.

SATURDAY, June 14

11 a.m. Visit to Guinness's Brewery.

WHO'S WHO



Sir Lancelot Keay, K.B.E., F.R.I.B.A., President RIBA. Born 1883. Educated at Eastbourne College. Served his articles in the Architectural Department of the City of Norwich and eventually became head of the Department. After First World War was appointed Chief Architectural Assistant to the City of Birmingham. Was appointed Director of Housing, Liverpool, and in 1938, City Architect. In 1935 received the degree of Master of Architecture (honoris causa) at the University of Liverpool. A member of the Central Housing Committee of the Ministry of Health and of the National Housing and Town Planning Council.



Robert Hanna Gibson, F.R.I.B.A., F.R.I.A.I., President, Royal Society of Ulster Architects. RIBA Ulster Medallist for 1937. Was responsible to a large extent for the application of the Registration Act to Northern Ireland, and the effecting of direct alliance with the RIBA. A keen advocate of Architectural Education, taking a leading part in the development of a School of Architecture in the Queen's University, Belfast. RIBA local examiner in design, Belfast. In association with Mr. John McGeagh, A.R.I.B.A., won a competition for the new Municipal Sanatorium for the City of Belfast.

ROUND GEORGIAN DUBLIN

Dublin is not so large a city that distances cannot be covered on foot, which is fortunate, as there is no other way of really savouring the pleasures of Dublin architecture.

The obvious starting place is O'Connell Bridge, though the very ordinary

Georgian houses that line the cobbled quays by the Liffey only appear remarkable when gilded by the setting sun and reflected in the dark, sluggish river. Downstream, James Gandon's Customs House stands sentinel over the approach from the sea, but villainously masked by a railway bridge; it is worth walking along the quay for a better view of the long façade and the cupola, so reminiscent of Greenwich.

Only a few yards south is College Green, and here there is architecture in plenty and on the grand scale. On the left is the rather dull façade of the main block of Trinity College; just beyond is the smaller but beautifully proportioned Provost's Lodge—a real gem. The opposite corner is occupied by the imposing Ionic façade, blind screen wall and Corinthian portico of the Bank of



The Customs House stands sentinel over the approach from the Sea.



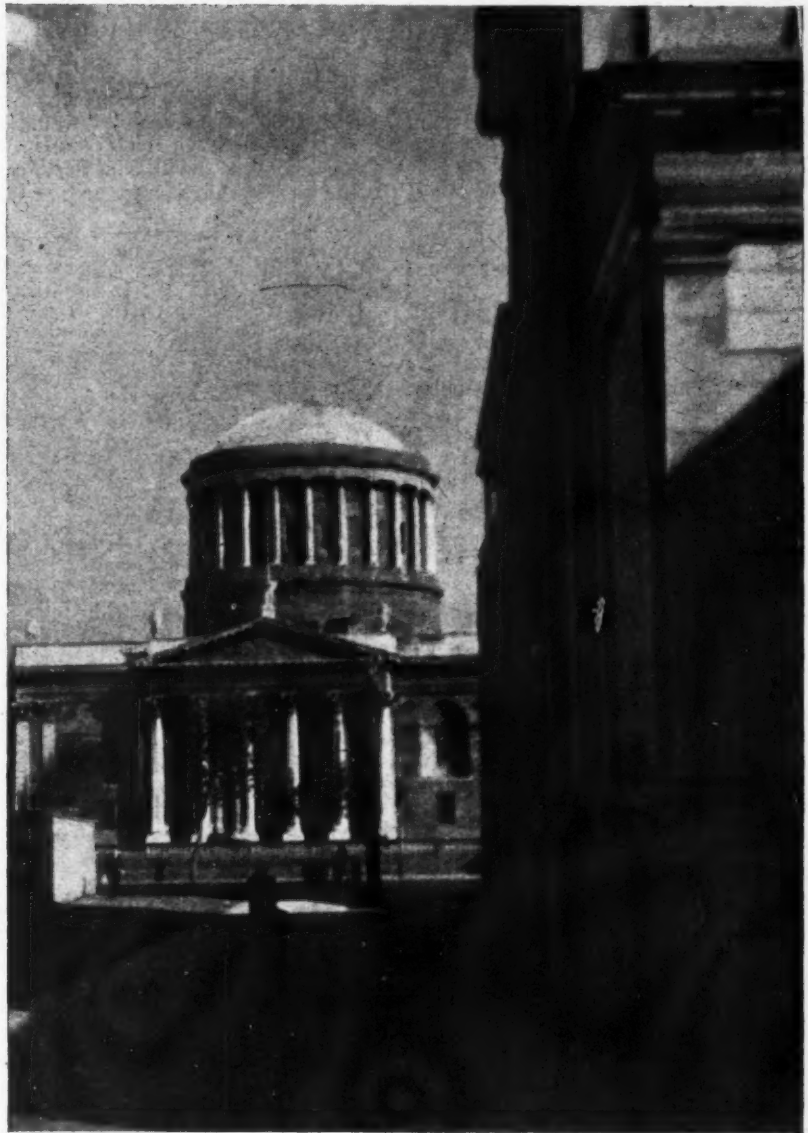
Rt. Hon. the Lord Mayor of Dublin, Alderman J. McCann, T.D. Age 41. Appointed Lord Mayor in June, 1946. Several of his plays have been produced by the BBC and the Irish Broadcasting Corporation. Latest work, *Cameos of Old Dublin*, is due to appear shortly. Youngest mayor ever to be elected in Dublin.



A. W. Conway, M.A., D.Sc. Sc.D., LL.D., F.R.S., President of University College, Dublin. Born October, 1875. Educated University College, Dublin, and Corpus Christi College, Oxford. Has published various papers on mathematical physics and was editor of the mathematical works of Sir William Rowan Hamilton. Professor of Mathematical Physics at University College from 1909-40.



Stephen S. Kelly, F.R.I.B.A., F.R.I.A.I. Born 1891. Articled in 1914 to Professor Butler, F.R.I.B.A. Present partnership (Messrs. Jones and Kelly) started in 1920. Designs for Ballymena Town Hall and for Cork City Hall gained first prizes, and for the new Industry and Commerce building in Victoria Street, Dublin, a second award.



The Four Courts, by James Gandon from St. Audeon's Church.

Ireland, until 1802 the Parliament House of Ireland. Here is proof, if ever there was, that too many architects do not always spoil the building. The interior is sadly altered, but anyone who can persuade one of the gorgeous individuals in red waistcoat and tail coat who masquerade as messengers to show him the old House of Lords will find it still in all its glory with panelling of Irish oak, tapestries on the walls, coffered ceiling, the long council table with Sheraton chairs and the magnificent candelabra of Waterford glass, of which all trace had been lost until it was recovered from a London saleroom.

Contrasting with the silvery grey granite of Dublin's public buildings is the red brick of the Georgian streets and squares. The most usual type of doorway is flanked by Ionic columns and has a semi-circular fanlight; the

portico is almost unknown. Everywhere can be seen the most delightful metalwork, wrought iron railings, lamp standards, lock plates, fanlight grilles and foot scrapers, and brass door knockers. Within a few minutes' walk of College Green are St. Stephen's Green, Merrion Square and Fitzwilliam Square, each finer than anything of the sort in London. This is the prosperous part of Dublin and the houses are still private residences or used as clubs or the headquarters of various societies, kept in good repair and regularly painted.

The streets which lead westward towards the two cathedrals are rather confusing, but hidden among them are Dublin Castle and such fine mansions as Powerscourt House. If in need of a refresher, by the way, what could be better than a call at the Dolphin for steak and onions, washed down with



Bank of Ireland, formerly the Parliament House.

Dublin porter? The next point to make for is the City Hall, a rather heavy Corinthian building by Thomas Cooley, though before crossing the bridge here over the Liffey it is well to go a little further along the quay to enjoy the view of Gandon's Four Courts, with its two square wings and rather squashed dome.

On the north bank, Capel Street, Bolton Street and Dorset Street form a sort of continuous arc leading through a district where fine Georgian houses have become slum tenements, in a state of extreme dilapidation and decay. Graceful doorways are broken and rotted, the bare wood showing through the paint, delicate iron railings are rusty, broken and held together with bits of wire. Women in black shawls stand in the doorways, while children with ragged clothes and bare feet play on the stone steps and swing on the iron-work. Such a picture is the most lasting impression of Dublin and, with its combination of grace and beauty with tragedy and decay, it conveys the essential atmosphere of the city.

There are many discoveries to be made in such streets. For instance, there is a house in Dominick Street which hides the most riotous and fantastic ceilings, all in high relief in white plaster on backgrounds of pale green, pink or blue. There is a great deal of such work, much of it done by Italian craftsmen; Dublin houses incline to be Palladian without and Rococo within.

On the east side of Bolton Street is Gandon's last work, the King's Inns, and in Dorset Street, on the other side, is Sheridan's birthplace, with rusty railings and broken fanlight. A side street leads to the upper end of Parnell Square, near Charlemont House, now the Municipal Art Gallery. Here we are half way back to respectability, for



Georgian Ironwork in Parnell Square.

the houses are in fair repair and used as hotels, boarding houses or offices. But before walking down past the Rotunda Assembly Rooms and Hospital to O'Connell Street, so completing the circuit to our starting point, it would be a pity to miss St. George's Church, by Francis Johnston, just off the north-east corner of Parnell Square, and a little

further east is Mountjoy Square, a recent victim to slum erosion and so perfect as to be almost monotonous.

Half way down O'Connell Street is Johnston's General Post Office, built in 1818, a last monument to good taste among the cinemas, ice-cream parlours and multiple stores of Dublin's main street.



House in Ely Place, Dublin.

THE NEW BUILDINGS OF DUBLIN

[by Niall Montgomery]

In Dublin's fair city it would be difficult to throw a bomb without hitting a piece of Georgian architecture: "modern" buildings, still bearing their quotation marks, are more widely spaced and better calculated to withstand the blast. The older houses, sagging between party walls, have settled into an act of union so precarious that the bomb casually aimed at one would surely bring the city down (and nearly did). This would be an act of aesthetic insanity unless it were possible to rebuild it immediately, complete with ladies and gentlemen in residence, attended by their Irish servants.

Dublin does not have more than a few buildings in that conscientious contemporary manner which one must not call a manner. This may be due to conservatism and poverty or to a feeling that it would be a pity to change anything. But Irish architects, who operate mostly from Dublin, do

not necessarily share that dream. Much of their best work, however, has been done outside the city boundaries.

In fact, many of the larger architectural firms have no modern work in the town—the illustrations on these pages are, obviously, not representative of total output, but perhaps it is as well to say so. A more exact view of the architectural scene would include also pieces by firms like Messrs. Jones and Kelly, Downes and Meehan, and by younger men of whom Messrs. Buckley and O'Gorman, Brendan O'Connor, and James Brennan are amongst the most notable.

Of the architects whose work is illustrated here, Messrs. J. J. Robinson and Keefe are the longest established firm. The partnership is a distinguished one on both sides: the senior partner, Mr. John J. Robinson, is the son and grandson of architects and his sons are also in the profession.

The Church of Corpus Christi at Whitehall is, perhaps, the firm's finest achievement. In lay-out, mass and detail it shows scholarship and originality and the interior is dignified, with a strangeness that awes the

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secular eye. But the building is not just an essay in form: circulation, acoustics, heating and insulation have been carefully studied, with obvious success.

Heating is accelerated low pressure hot water with radiators. Walls are mass concrete, faced with County Dublin granite, lined with cork and skimmed. Floors are wood block, mosaic and tile. Flat roofs are asphalt on concrete, main roof and dome are copper sheeted on timber on steel trusses. The church was finished in 1940.

Andrew Devane, junior partner in this very senior firm, is responsible for the Monument Café in Grafton Street. He is a young Limerick man, graduate of the National University's School of Architecture in Dublin, and is at present carrying out post-graduate studies with Frank Lloyd Wright.

The Monument Café is one of a chain which take the name from the prototype café. That was situated in Parnell Street



Four Provinces House designed by Michéál Scott.

and was dedicated to an adjoining monument erected to the memory of the great Parnell, designed by Gaudens, the sculptor, of Lincoln. The Grafton Street job is a reconstruction and embodies a cake shop with a café at the back.

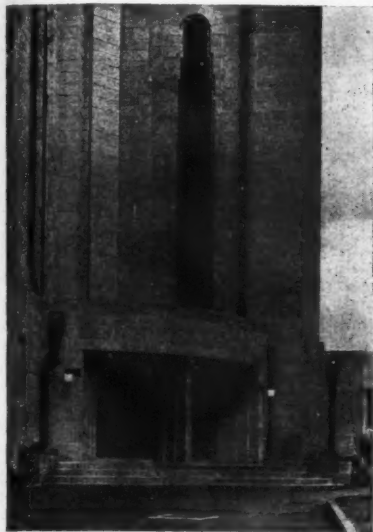
The surround is in Portland stone with a black tiled base and the display window, set obliquely to the street, is lined with white oak veneer, contrasting with its teak architrave. Features of the interior are recessed display cases in polished white oak mounted flush with the walls and lit from behind, built-in banquette seating upholstered in red hide and wall and ceiling panels in decorative plaster.

Artificial lighting is supplied by indirect fluorescent luminaires. Daylight, in the café, is diffused through honeycombed lay-lights to eliminate glare. Shop walls are lined with black glass panels, with the architect's designs etched in gold. Mr. Devane also designed the marine decorations sandblasted on the large plate glass screen over the stairs. The contract was completed in 1946.

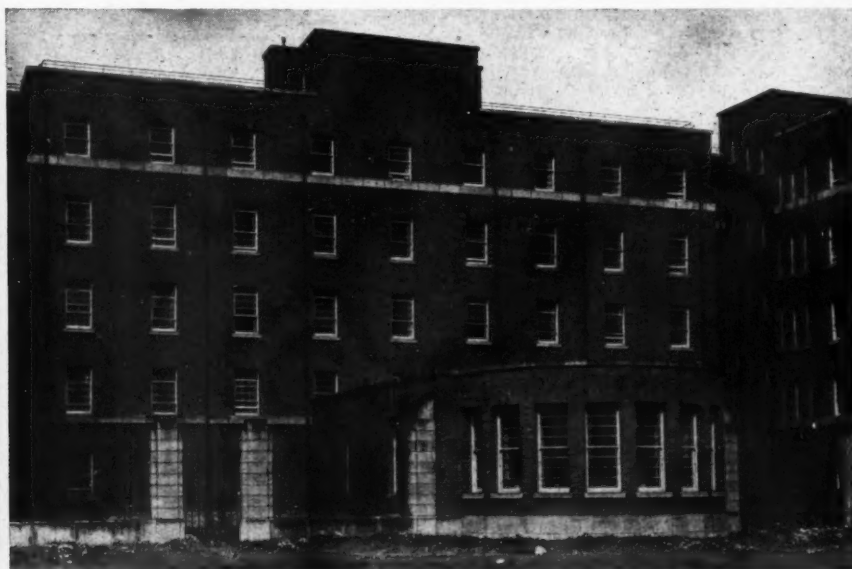
Vincent Kelly was the first Graduate of the National University's School of Architecture. Like Mr. J. J. Robinson, he is a Past President of the RIAI and of the AAI, and has represented Ireland on the RIBA Council. His prestige and influence are high and his work is as widespread as it is varied in character. A large number of first class hospitals throughout the country have been designed by him: he is the recognised leader in this field.

Mr. Kelly is responsible for the Nurses' Home attached to Grangegorman Mental Hospital illustrated here. This was carried out in collaboration with his partner, Mr. T. F. Inglis, and is part of a larger scheme of reconstruction embracing the whole hospital. The hostel, which is largely a dormitory building, has bed-sitting rooms for 174 nurses, each with lavatory basin and furniture designed by the architect. Four suites are reserved for the matron and her staff.

The plan is symmetrical, E-shaped, the main building and the lateral wings being five storeys high, with a one-storey dayroom along the short axis. Staircases are located



The Church of Corpus Christi, Whitehall, Dublin, designed by Messrs. Robinson and Keefe.



Left: Monument Café, Grafton Street, designed by Andrew Devane, of Robinson and Keefe. Right: Nurses' House, Grangegorman Mental Hospital, designed by Vincent Kelly.



A baker's shop in Parnell Street designed by Michael Scott.

in the wings and two lifts stand in the central entrance hall.

Elevations are severe, in the Dublin manner, and rely on fenestration and brick texture for effect—the building appears gay beside its stone-faced neighbour, the main hospital building, which, indeed, is 124 years older. Walls are loadbearing, faced in Balinphellic brick, trimmed with Wicklow and County Dublin granite.

Michael Scott is one of the most progressive architects in Ireland. Hospitals, cinemas, industrial buildings and private houses throughout the country testify to the excellence of his work—its outstanding characteristics are good planning, gaiety and colour. He is a Past President of the AAI, designed the Irish Pavilion at the NY World's Fair in 1939, and is architect and chief consultant to Messrs. C.I.E., the semi-nationalised transport monopoly. Mr. Scott is renowned, even among Dubliners, as a raconteur.

He has a fine understanding of the architect's function as inventor and organiser. Thus he likes to enlist the assistance of the best talent in the arts and sciences when attacking a building problem. On the scientific side, Oscar Faber, Ove Arup, and Värmring have collaborated with him on major schemes; even on the smallest jobs he commissions good painters, sculptors, stained glass workers.

For example, in the Four Provinces House illustrated here, the sculptured jambs to the entrance door are by Lawrence Campbell, R.H.A., the eminent Irish sculptor, and the carved woodwork throughout the building is by Hilary Heron. Twelve mural panels on the balcony apron in the dance hall will be carried out by Frances Kelly, pupil of André l'Hôte and one of Dublin's best painters.

The Four Provinces House is one of Mr. Scott's latest efforts and was finished in February, 1946. It stands on the site of a red-faced 19th century Gothic church which the clients, the Irish Bakers', Confectioners' and Allied Workers' Amalgamated Union, bought and demolished, except for the chapel walls and roof. These were retained in the construction of the dance hall at ground floor level, which is the main feature of the building.

This is one of the best-mannered buildings in Dublin; it is faced with Tyrone bricks, struck pointed, and the fenestration is well-balanced and delicately detailed. It also contains billiard rooms, committee rooms, card-rooms, together with offices on the upper floors, and is a flourishing social centre.

In the reconstruction of Messrs. Rourke's Bakery in Parnell Street, Mr. Scott commissioned another young painter who carried out designs in two-toned acid on plate glass panels. This was Louis le Brocq, a Dubliner with Belgian ancestors. He exhibited successfully this year at New York and London.

Messrs. Rourke's new premises were completed in October, 1943. The façade is faced with Kingscourt bricks, the panels between windows are precast terrazzo and the surround to the glass and glass brick front is in teak.

In achievement, Desmond FitzGerald is the most distinguished architect of his generation. His reputation rests chiefly on the Terminal Building at Dublin Airport, to be illustrated in the *A.J.* for June 12. For this he received the triennial gold medal of the RIAI, but his work on the Shannon bases is also remarkable.

Educated in Ireland and Switzerland, he is a Graduate of UCD Architectural School and holds the A.A.Dip., as well as being a member of the Town Planning Institute, and of the RIAI Council.

The Terminal Building, which was completed in 1941, is laid out on a shallow curve some four hundred feet long and rises symmetrically to the control room which dominates the axis at fifth floor level.

The structure is an RC frame with RC panel walls finished externally in white cement. Windows are purpose-made steel throughout. All rainwater and service pipes are carried in internal vertical and horizontal ducts.

All mechanical equipment and installations, elevators, and service lifts, pneumatic tubes, public address, radio and meteorological apparatus, inter-office communication, lighting and kitchen equipment have been carefully studied and provided for from the earliest stages of the design. Considerable attention was also devoted to the space heating: input is provided by low pressure hot water radiators and ventilation is assured by means of concealed electric fans.

The main concourse, with its long booking counter and company offices, facing the main entrance, rises through two storeys and is flanked on the right by the customs and freight departments and on the left by the lounge, public lavatories and bar. Over the lounge is the main restaurant and kitchen: the remainder of this floor is devoted to offices. Meteorological services and airscrews are housed on the second floor.



Department of Industry and Commerce, Kildare Street, designed by J. R. Boyd Barrett.

The third floor accommodates the radio service, and aviation meteorological forecast service, and above this there are the radio and the direction finding room and the control room.

The building, planned freely within the limits of a horizontal module, achieves sculptural qualities in the interplay of winged decks and immaculate elevations. It is a salute to Dedalus from Stephen's city.

Mr. J. R. Boyd Barrett, a Dublin man, and the designer of the Department of Industry and Commerce's new offices in Kildare Street, is one of the biggest architects in the South of Ireland and has his main office in the charming city of Cork. (Dublin is sometimes called *The Cork of the North*.) Mr. Boyd Barrett's design for these offices was premiated above his 35 competitors in the competition which was held by the Government in 1935. The building was completed in 1942 and houses 600 civil servants.

The building is arranged round three sides of an open courtyard, but the west wing is only two floors high, so that, in effect, the plan is L-shaped, rising six storeys over street level, with a set-back at the top floor. Each wing is about 150 ft. long.

The lay-out is straightforward and works well. Corridors are 7 ft. wide, two elevators flank the main staircase, and subsidiary staircases are provided at the end of each wing. The basement is used as a bicycle store for 300 bicycles and also contains an air-conditioned air-raid shelter.

The structure is steel framed, finished in light-coloured granite and limestone with a rusticated base. Floors throughout are RC and the roof slab is asphalt-finished. Heating is by the invisible panel system, the panels being located in the ceilings. The electric thermal storage system is used for hot water supply.

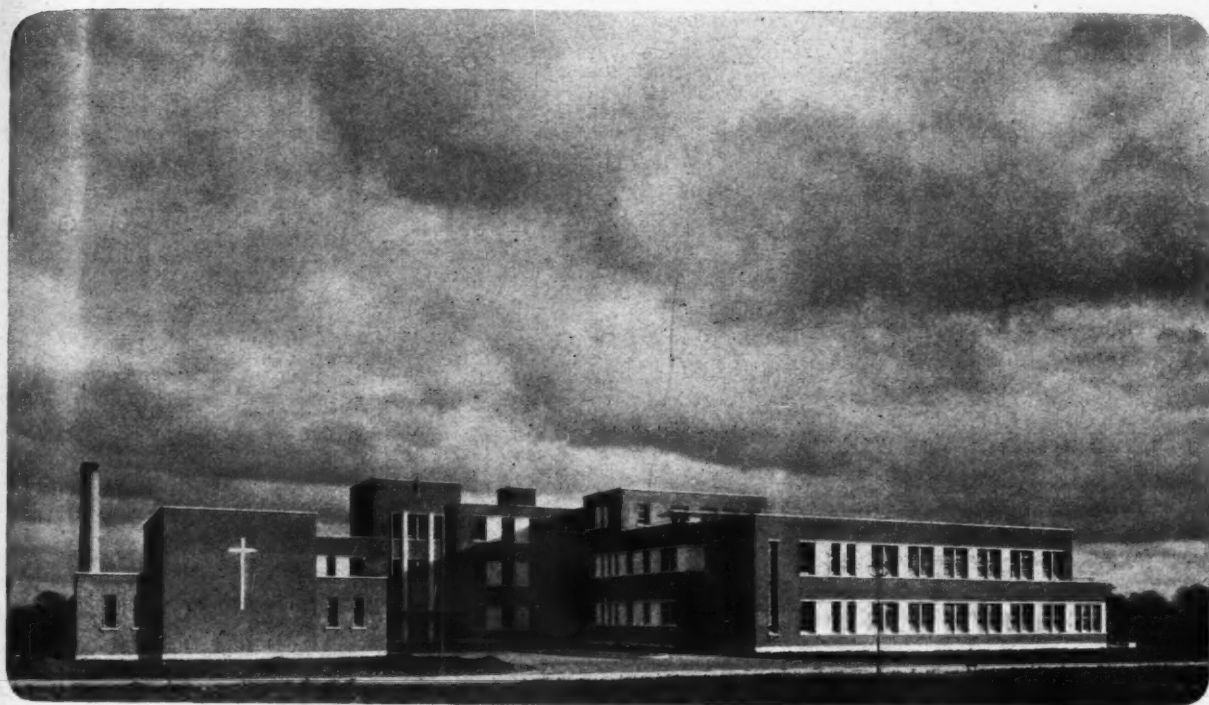
The Minister's suite on the first floor has veneered panelled walls. Outside his office window is a special balcony which is a feature of the design. Its sculptured panels and the sculpture which appears elsewhere on the façade are the work of Miss Gabriel Hayes, A.R.H.A.

For the benefit of those readers who propose to continue their holiday in Ireland, we print below a diary of events:—

IRISH DIARY

June

- 9 **Pattern and Sports.** Durrow, Tullamore, Co. Offaly.
- 9-12 **Golf.** Irish Close Amateur Championships Lahinch Golf Club, Co. Clare.
- 10 **Golf.** (Open Meeting), Ballina, Co. Mayo.
- 11 **Racing.** Curragh, Co. Kildare.
- 12 **Racing.** Thurles, Co. Tipperary.
- 12 **Yachting.** Dublin Bay and Dun Laoghaire Harbour.
- 14 **Racing.** Leopardstown, Co. Dublin.
- 14 **Yachting.** Dublin Bay and Dun Laoghaire Harbour.
- 14 **Athletics.** Donore Harriers' Sports, Dublin.
- 15 **Golf.** (Captain's Prize), Portumna, Co. Galway.
- 15 **Trotting.** Raheny, Co. Dublin.
- 15, 16 **Coursing.** Bruff, Co. Limerick.
- 18 **Dog Show.** (Munster Agricultural Society), Show Grounds, Lower Park, Cork.
- 18 **Racing.** Sligo.
- 18, 19 **Summer Show and Industrial Exhibition.** Show Grounds, Lower Park, Cork.
- 19 **Racing.** Mallow, Co. Cork.
- 19 **Yachting.** Dublin Bay and Dun Laoghaire Harbour.
- 20 **Golf.** Open Singles (Ladies), Milltown, Dublin.
- 20 **Gymkhana, Races and Jumping.** Moynalty, Mullagh, Co. Cavan.



*Above, the main (entrance) elevation.
Below, the entrance gates.*

COUNTY HOSPITAL AT KILKENNY, EIRE BY J. V. DOWNES AND F. B. MEEHAN

GENERAL.—The main hospital building, staff residence, medical officer's house, and mortuary and post-mortem building stand on a level eight-acre site about a mile from the town of Kilkenny.

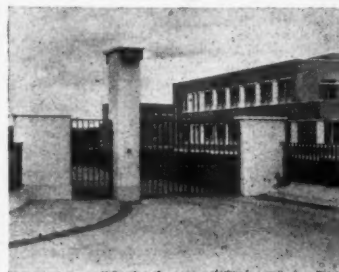
PLANNING.—The hospital provides 130 beds divided into medical, surgical, maternity and children's sections. The smaller wards ranging from one to eight beds open off one side of the main corridor on each floor and face south. Four, twelve-bed wards (at right angles to the main corridors) have windows on both sides, east and west. The latter have open-air terraces for convalescent patients. There are also roof terraces at second-floor level. All beds are placed parallel to external walls and are divided by glass screens into groups of not more than four.

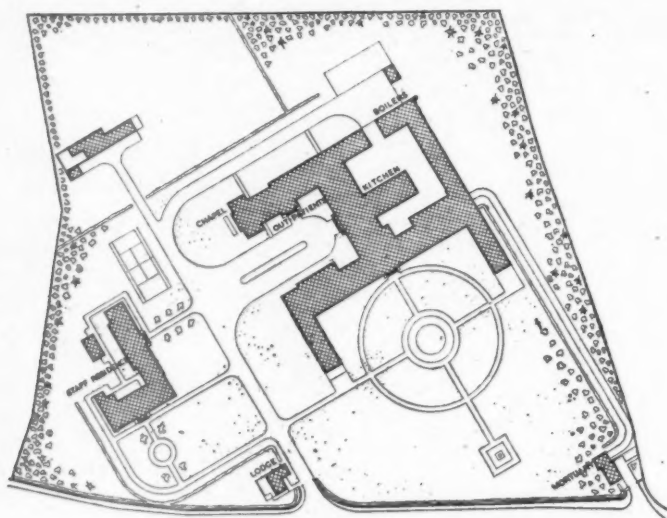
On the north side of the ward section is the central portion of the hospital, containing the entrance hall, main staircase, lifts, offices, laboratories and various staff rooms. Beyond this are wings housing the main kitchen and stores, laundry, out-patients' department, X-ray department, etc. The chapel forms the terminal feature of one of the wings flanking the forecourt and the main entrance. The operating theatre, sterilizing room, anaesthetising room, preparation room, etc., are grouped around a central lobby on the first floor and are also on the north side of the building. The staff residence provides living quarters for 40, consisting of nuns, lay-nurses and maids.

CONSTRUCTION.—Most of the main building is supported on a steel frame. All floors are of

reinforced concrete and all walls are of concrete partly reinforced. Externally walls are rendered in buff-coloured rough-cast with smooth plaster finish in panels of more or less the same colour between the windows (emphasizing the horizontal grouping of the windows).

SERVICES.—Heating is by low-temperature panels concealed in





SITE PLAN [Scale: 1"=192'0"]



Top right, the main entrance. Above, the chapel.



the ceilings and fed by three magazine boilers. The latter provide heating and hot water supply both for hospital and staff residence.

All service pipes and electrical conduits are housed in a large underground duct, whence they are distributed through various smaller vertical ducts to the different floors. No pipes are exposed.

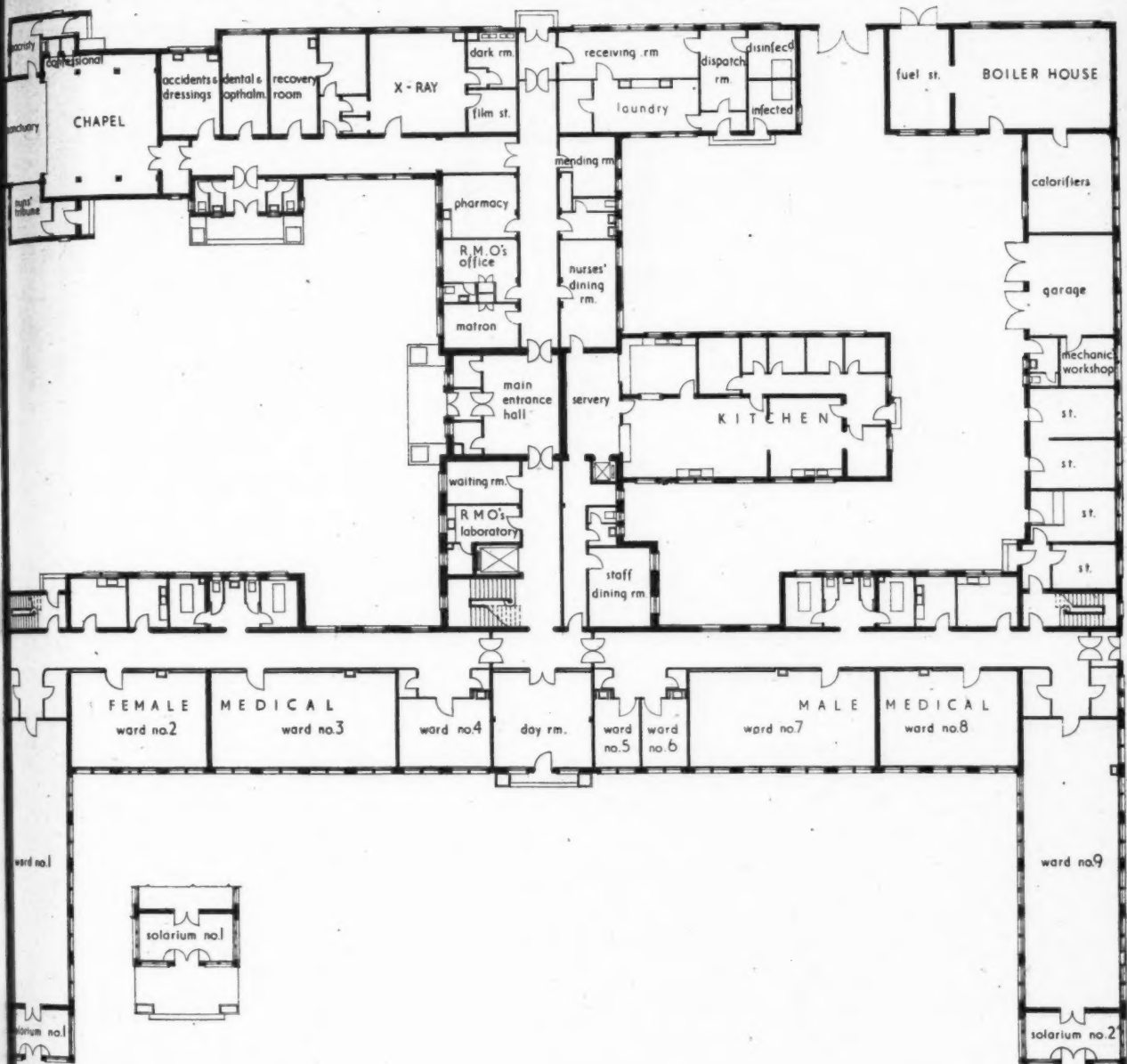
The usual system of communication between patients and nurses is employed, viz., buzzer and signal lamp operating simultaneously in the nurses' duty room and in the corridor. General internal communication is by house telephone between all important parts of the hospital buildings.

The main kitchen is entirely electric except for roasting, which is done by gas cookers.

FINISHES.—For the most part the flooring in the hospital building is of thick lino with coved skirtings of the same material. In kitchens, lavatories, sink rooms and certain corridors a grey-green floor tile is used with a coved skirting in terrazzo of somewhat similar colour. In the pharmacy, laboratories and switch rooms, wood-block flooring is provided and the chapel sanctuary is floored with special oak in narrow widths. Floor finishes in the staff quarters are similar, but timber flooring is provided in the resident medical officer's house and in the gate lodge.

Corridors generally are painted dove-grey with a rich red on the doors. The wards are finished in various pastel shades.

C O U N T Y H O S P I T A L, K I L K E N N Y

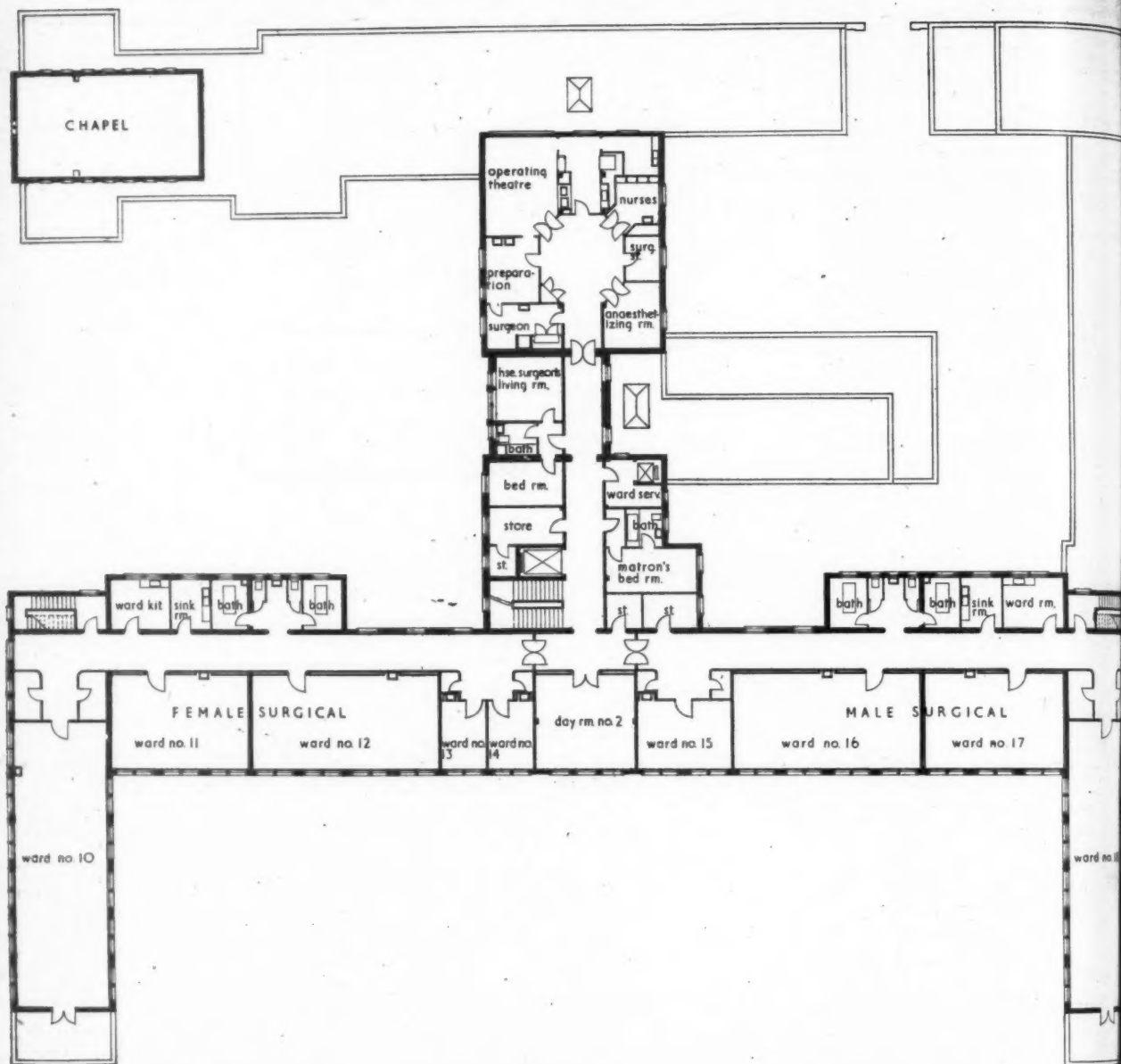


GROUND FLOOR PLAN

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

Considerable attention was paid to the hospital chapel where the smallest details, such as altar candlesticks, draperies, etc., were designed by the architects.

SCULPTURE.—Over the main hospital entrance is a carved panel representing St. Luke, the Physician, by Laurence Campbell, R.H.A., who also executed the incised figures and lettering which decorate the marble panelling of the entrance hall.



FIRST FLOOR PLAN



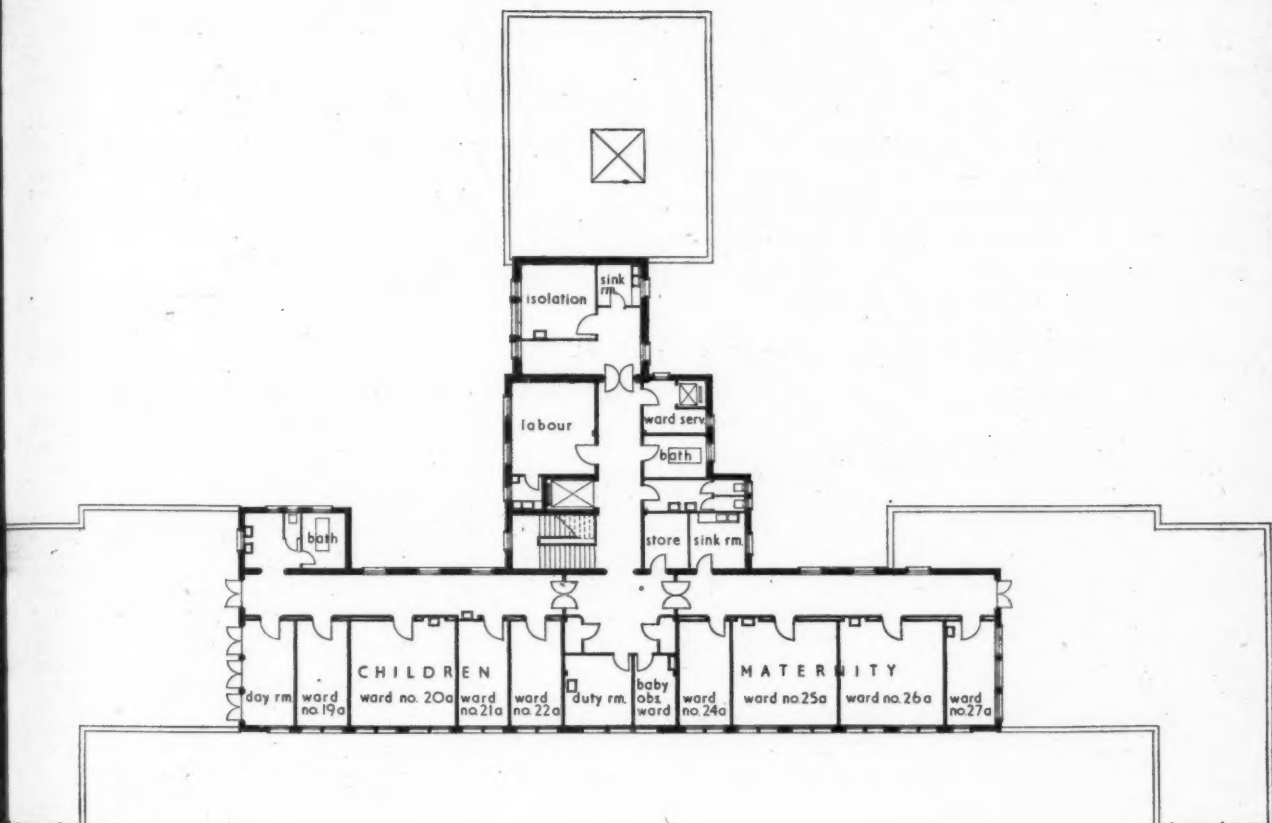
The entrance hall.



A 12-bed ward.

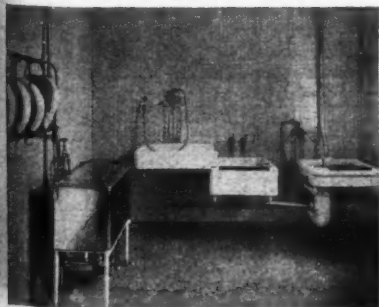


The operating theatre.

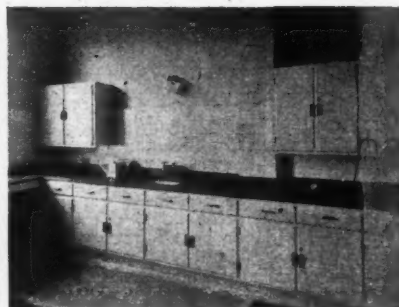


SECOND FLOOR PLAN

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



Sick room



A duty room



Main kitchen

DESIGNED BY J. V. DOWNES AND F. B. MEEHAN

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.

4.7 planning: urban and rural RURAL DISTRICT PLANNING

Easington Rural District: Outline Survey with Redevelopment and Development Proposals. C. W. Clarke. (Easington Rural District Council, Easington, Co. Durham, December, 1946. No price.)

Progressive and clearly written planning report giving comprehensive picture of conditions past and present of mining area, together with development proposals for (a) a new town and (b) remainder of district.

New town housing proposals: two housing programmes for periods of 10 and 12 years respectively, first to replace slum clearance houses and alleviate overcrowding, and, second, to replace temporary prefabricated houses, together with colliery and other houses rendered unsuitable by smoke, dust, noise and other nuisances due to close proximity to colliery premises.

New town industrial proposals: provision of new factories to accommodate estimated available female labour resources, and provision of new industries to accommodate (a) present known, chiefly male, labour surplus, (b) male labour becoming available from redundant collieries, and (c) to check migratory tendency and obviate necessity for transferring juvenile labour outside district.

Main proposals in relation to remainder of district: (1) improving existing villages and townships by cleaning up slum cleared sites, by levelling redundant colliery and other spoil heaps, by liberal planting of trees and provision of parks, playing fields and children's games areas, by setting up community centres together with providing for health and other public services, by making up unmade streets; (2) control of all development in coastal strip to prevent further despoliation; (3) exploration of measures whereby present fouling of seashore by tipped

colliery refuse is eliminated.

Illustrated by one diagram only showing communications, environs and proposed site of new town.

4.8 planning: urban and rural BUILDING NEW TOWNS

Building our New Towns. Town and Country Planning Association. (TCPA, 1946. 5s.)

Report of conference held last year representing local authorities, amenities organisations and members of Town and Country Planning Association. General aspects of new towns planning.

6.5 planning: social and recreational PLANNING FOR ADULT EDUCATION

Further Education: The Scope and Content of its Opportunities under the Education Act, 1944. Ministry of Education. (HMSO, 1947, 2s.)

Important contribution towards planning for social and recreational needs. Daytime and evening study. County, regional and national colleges. Community centres and playing fields. Needs of countryside. Planning of environment. Schedules of accommodation. Bibliography. No illustrations.

This 200-page volume issued by the Ministry of Education urges local education authorities to plan boldly in providing the means for adult study and for social and recreational opportunities of all kinds. It contains a wealth of information on all aspects of adult education which covers the whole range of vocational training from advanced courses in technical institutions to the beginner's class in county colleges.

Of interest to architects and planners are those chapters which deal with regional and local administrative aspects of adult education, with the scope and opportunities of the various colleges and institutions, with community centres and playing fields, with adult educational needs in the countryside, and in particular the chapter on planning the environment. Here the need is stressed for determining the nature of future development by a methodical investigation of the distribution and the social and occupational characteristics of the population in the area of each authority. The organisation of colleges for further education is examined and suggestions are put forward for schemes in relation to the size of population to be served. Methods for undertaking local surveys as a basis for planning are described and a classification of occupational groups is given.

A number of most informative and detailed appendices conclude the report, among them a survey of special occupations together with examples of educational facilities, some notes

on size and accommodation requirements of premises, an alphabetical list of circulars and administrative memoranda dealing with matters related to further education, and a very comprehensive bibliography.

7.6 practice DRAUGHTSMAN'S SCALES

Architects', Engineers', Surveyors' Boxwood Scales. BSS 1347/1947. (British Standards Institution. 2s.)

Description and illustrations of various types of boxwood scale; quality of material; section of scale; system of division, including decimal and metric figuring. Of little direct interest to architects.

13.8 materials: timber SASH WINDOWS

Wood Windows. Double Hung Sashes with Cased and Solid Frames. BSS 644, Pt. 2, 1946. (British Standards Institution, 1946. 2s.)

Quality, construction and design of double hung wood sashes with cased and solid frames. Appendix on method of glazing, pp. 21. Illustrated diagrams showing elevations, plans and sections.

This standard is notable because of the inclusion of the solid frame type sash window, using spring counter balancing devices instead of the weights customarily used in this country. It remains to be seen whether any spring balance (not included in the specification) of comparable or greater efficiency than the weights will become available. The advantage of this type of counter balance is the reduction in size of linings and mullions which may be made, and the consequent saving in timber.

15.4 materials: applied finishes and treatments FLOORING: PITCH MASTIC

Coloured Pitch Mastic Flooring. BSS 1375, 1947. (British Standards Institution. 2s.)

Specification covers grading of aggregate, process of manufacture, sampling, colour (dark red and dark brown), hardness number, inspection and marking. Recommendations for application of the flooring included.

This BSS is of importance in view of the shortage of timber. Attention has been paid to specifying pitches and fluxes which will ensure absence of irritant fumes to the operatives laying the floor.

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.

16.11 materials: miscellaneous RAMMED EARTH

Rammed Earth. (The Architectural Forum, Products and Practice [USA], December, 1946, pp. 147-149.)

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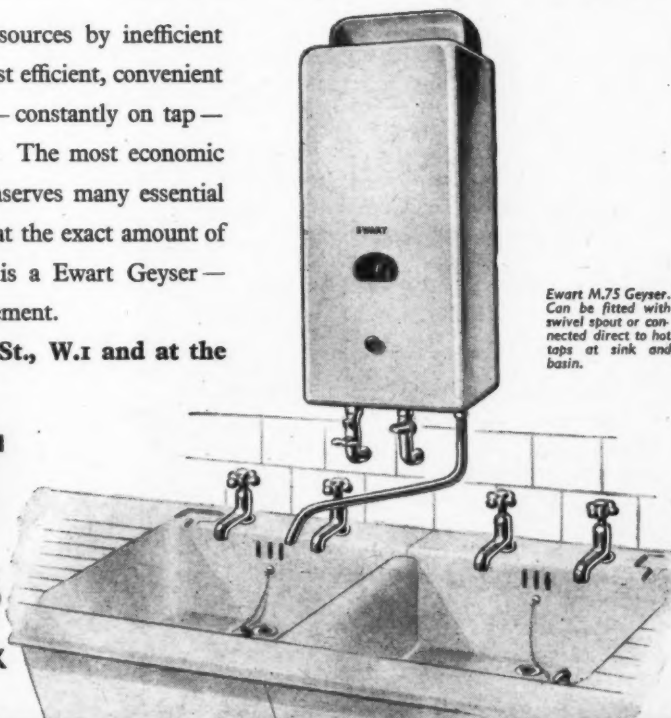
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Illustrated article describing contemporary experiment by American engineer in building a house of rammed earth. Principles of earth building briefly mentioned. Methods of ramming described. Stages of building illustrated by captioned photographs. Drawings.

The comments on the limitations of earth building are sensible, and the evidence provided by the experiment described (and by many other such experiments) suggests that the method is not wholly impracticable. Furthermore the illustrations show that the traditional technique does not preclude a contemporary idiom of design: its association in England is chiefly with Devon farm cottages.

The article does not contain much technical information nor give comparative costs.

16.12 materials: miscellaneous

WEATHERING: ASBESTOS CEMENT

Weathering Tests on Asbestos Cement Roofing Materials. Building Research Technical Paper No. 29. F. E. Jones, D.Sc., F.R.I.C. (HMSO, 1947. 1s.)

Technical paper dealing with the effect of accelerated weathering tests on asbestos cement roofing materials under laboratory conditions, together with observed results of natural weathering. Factors involved are wetting and drying with heating and cooling, frost action, exposure to acid rain water, and atmospheric carbonisation. Test methods and results of tests; 15 tables for each of these factors given; summary of conclusions.

The publication of this paper, which describes investigations carried out between 1934 and 1938, was delayed by the war. The results obtained have, however, already found application in BSS 690/1940 (revised 1945), which superseded an earlier BSS, and in which it was possible for the first time to ensure, by standard tests, that the present quality of manufacture should be maintained and that acceptance of inferior material could be guarded against.

This being so, and since, with the exception of resistance to frost, there was found to be little difference in behaviour between the commercial samples examined, some of which were designedly of an abnormally poor quality, the paper is possibly of more interest to the manufacturer than to the architect. No clue is given on those points which are of particular importance to architects, as for instance, what the life of asbestos cement products is likely to be beyond the limited period of which there is experience in practice.

On the other hand, the explanations of typical defects such as flaking, warping, discoloration, loss of strength, shrinkage and moisture movements, and the tabulated information about the condition of samples which have been in use for up to 26 years, provide a useful basis for diagnosing failures and for understanding the purport of BSS 690.

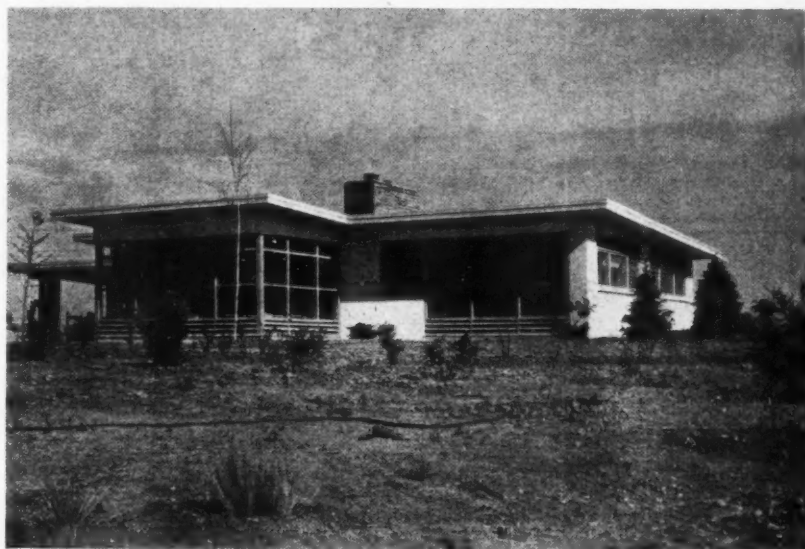
17.13 construction: general

CONSTRUCTIONAL DATA TABLES

Building and Structural Tables for Architects, Builders and Engineers. Frederick Hyde Blake (Chapman & Hall Ltd., 1947. 21s.)

Tables for roofs, walls, floors and beams, foundations, services and fittings, general tables.

As is pointed out in the preface, the object of this volume is to present in convenient form the data most frequently required in the design and construction of buildings. The compiler has carefully selected the material from a large number of specifications of the British Standards Institute, the



Rammed earth house. See 16.11.

LCC By-Laws, Metropolitan Water Board By-Laws, a number of reports by professional institutions and recommendations by various Government Departments. The subject matter has been well indexed for rapid reference.

The book is most useful and contains more than one would expect from its title, e.g., a collection of formulae for bending moments, thrusts and reactions in portals which are of assistance in the design of framed steel and reinforced concrete structures.

Regarding Table 114, giving the properties of broad flanged beams and explaining their advantages, it is pointed out that these sections, rolled in Luxembourg, were marketed in Great Britain until 1939 and are expected to become available again in due course. It should be added that broad flanged beams of sizes different from those in Table 114 are now being rolled in this country.

18.4 construction: theory

REINFORCED CONCRETE DESIGN

A Course of Reinforced Concrete Design. Thomas J. Bray (Chapman & Hall Ltd. 1946. 25s.)

Elementary text book on reinforced concrete design.

This book contains the usual data on reinforced concrete design. It is written in simple language and is based on the Code of Practice of 1934. It does not take notice of any recent development in research and design and ignores the method of ultimate loads even for concentrically loaded columns, although this was already admitted in the Code of Practice. The graphs, which should assist the designer, could have been rendered more useful by making them self-contained, or, at least, by reference to the relevant page numbers of the text.

19.16 construction: details

WALLS

The "Cast-Rendered" House. R. A. Yearsley. (The Builder, April 4, 1947, pp. 318-9.)

Method of applying external rendering and internal plastering simultaneously with pouring the wall.

Good steel-faced formwork is set up, the width between the faces being the thickness of the finished wall, including renderings. Pairs of sliding shutters are made to fit inside the formwork. The width inside the plates is equal to the thickness of the core of the wall (e.g., "No fines" or foamed slag

concrete). The three spaces so formed are filled simultaneously with the three different materials. The sliding shutters are lifted as soon as the spaces are filled and while materials are still wet, and the process is repeated to the top of the lift.

The success of such a scheme will obviously depend to a great extent upon the skill of the operatives employed. No data is available to enable an opinion to be formed on the economy of the technique.

19.17 construction: details

PRECAST FLOOR SLABS

Precast Floor Slabs for UN Housing. L. F. Booth. (Engineering News-Record [USA], March 20, 1947, pp. 455-7.)

Concrete slabs for 110 garden-type apartments of two and three storeys in New York City, precast in concrete forms, lifted with a vacuum-held device next day. Size of units vary from about 7 x 10 ft. to 16 x 16 ft., average thickness of concrete 2½ in. Ribbed underside forms finished ceiling.

19.18 construction: details

EXPANSION JOINTS

Better Expansion Joints in Bridge Floors. Nathan W. Morgan. (Engineering News-Record [USA], January 23, 1947, pp. 151-154.)

Structural details of various arrangements of expansion joints.

The correct design of expansion joints is an important factor in obtaining lower maintenance costs and increased safety. Not only must expansion joints permit of adequate movement, but they must be so constructed that their parts will not bind, warp or loosen under heavy traffic. The joints must be properly drained, not clog with ice or dirt, and the openings in the floor must be sufficiently limited to avoid a traffic hazard.

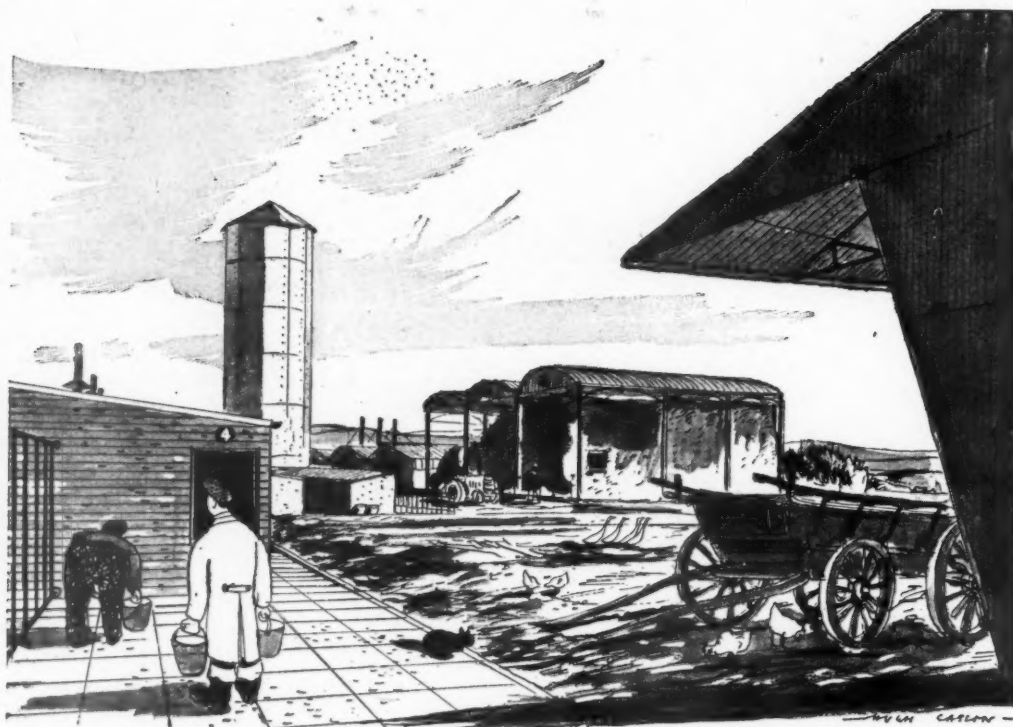
The article gives several good examples of joints designed for movements of less than 1 in., 2 in., 6 in. or even more.

20.23 construction: complete structures

PREFABRICATED HOUSES

Structural Uses of Aluminium. (The Builder, April 4, 1947, pp. 320-1.)

Design of two-storey permanent aluminium house, called Alcrete, to be used as tropical hostel.



ZINC for Hinder Hoggets

A well-respected man is Farmer Barnes of Hinder Hoggets.

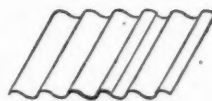
His bull, Mountain Granite of Hinder Hoggets, was Best Bull at the Cattle Show last year, and his new Dutch barn is the envy of farmers for miles around. A solid man. Ah! They say he's putting up another grain silo this year.

Farmer Barnes wants the best. He had many consultations with his architect about the roofing of his new farm buildings. Corrugated zinc roofs, said the architect. They'll serve you a long time, and keep grain and cattle alike snug throughout all weathers. Zinc's economical, said the architect, and easy to deal

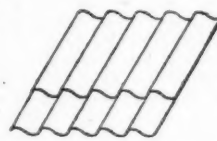
with. You have zinc!

Diagrams on the right show details of the laying of corrugated zinc roofing. A corrugated zinc roof is just the thing to cover Mountain Granite. But it's not the only way you can use zinc. Zinc has countless applications and new techniques are continually being discovered. This is where we come in. We are here to give advice on all questions concerned with zinc.

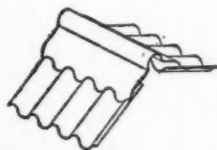
We are non-trading and non-commercial; all our services are free of charge. If you have any problems, send them to us; in any case, send us your name and address so that we may put you on our mailing list for publications.



Side Lap—Minimum lap to be one and a half corrugations.



End Lap—Minimum lap to be 5 inches.

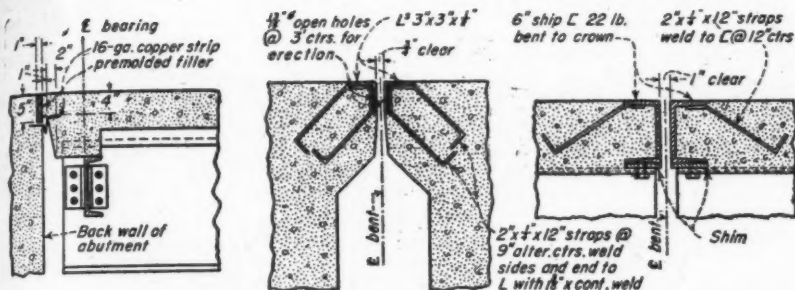


Ridge—Standard size ridge at apex.

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Expansion Joints in bridge floors. See 19.18.

23.23 heating and ventilation**VENTILATION: AIR CONDITIONING**

Questions and Answers on Ventilation. L. C. C. Rayner. (George Newnes, Ltd., 1947. 5s.)

Useful brief reference book of general nature. 104 pp. illustrated and indexed.

This small book is a companion volume to those by the same author which dealt with hot water supply and with heating. As in the earlier books, the author manages to compress a most useful amount of general and detailed information into a small space by his question and answer method. It is highly practical and contains a good index.

23.24 heating and ventilation**GENERAL INFORMATION**

Fuel Abstracts: New Series, Vol. 1, No. 1, January, 1947. Fuel Research Station of the DSIR. (HMSO, Annual Subscription £2 10s.)

Comprehensive abstracting service covering all aspects of fuel and fuel usage. Two sections, on domestic heating, cooking and lighting and on atmospheric pollution, of particular interest to architects.

These *Fuel Abstracts* are similar in type to the now fairly well-known *Building Science Abstracts* of the Building Research Station, but until now they have not been generally available. There are to be monthly issues, containing something like 500 abstracts per month. Each issue contains a subject index and every six months there is a complete author and subject index. Only annual subscriptions are accepted.

In this issue there are 13 pages of abstracts on domestic heating and atmospheric pollution.

23.25 heating and ventilation**DOMESTIC FUEL STORES**

Fuel Stores for Small Houses. (Coal Utilisation Joint Council. 2s.)

Requirements for solid fuel storage. Official recommendations. Basic design types. Applications to particular conditions.

One of the major advantages of solid fuel is that it can be stored against emergency. Many houses have inadequate accommodation for this purpose, and this has been recognized by Ministry instructions as to minimum size of storage space for town and country houses with appliances requiring one or two types of fuel. This booklet considers the official requirements too low, but nevertheless uses them as a basis for standard designs.

Typical house plans are shown with detailed drawings of the basic design of fuel stores applied to each type of plan. Examples are mainly of brick construction, but alterna-

tives prepared by the Cement and Concrete Association and the Timber Development Association are included. There are also some details for storage of a rather higher capacity than the Government requirements.

Details are clear and to a sufficient scale for easy reading. The introductory test gives some useful data.

24.23 lighting**COLOUR: THEORY**

Colour in Illuminated Engineering. W. D. Wright (Trans. Illum. Eng. Soc. Vol. XII, No. 1, 1947, p. 1.)

Colour perception, matching and colour specification; changes in quality of illumination compensated by changes in colour adaptation of the eye. Graphs.

The paper refers to the processes of colour perception (now a very popular subject of research) and to the relation between the colours of objects and the spectral composition of the light they reflect. Colour matching by a mixture of three stimuli is described (and was beautifully illustrated at the delivery of the paper). The author describes how the C.I.E. system of colour specification developed from theory, and concludes with a mention of the extent to which colour adaptation of the eye can compensate for changes in the quality of illumination.

This is a good general reference on colour perception.

24.24 lighting**LIGHTING RAILWAYS**

Railway Lighting. Some Lessons from Experience and Views on the Future. A. Cunningham and G. W. Golds. (Trans. Illum. Eng. Soc., Vol. XII, No. 2, 1947, p. 23.)

General review, requirements for safety, durability and reliability, special problems of locomotive depots, goods sheds, stairways, etc., direction signs, indicators and platform lighting. Illus. 15 photographs. Of quite wide interest to industrial architects.

This on the whole is a good paper and a good discussion. As one would expect, the chief problems in connection with railways, where much work is done at night, is to reduce glare so that the light provided will not be offset by inefficient vision. The particular problems of loco sheds, signal cabins and passenger platforms are all discussed, though one notes one or two odd limitations; for instance, why accept reds and dark colours for goods wagons which have to be seen for shunting at night? It is nearly impossible to give them much light. Perhaps the lighting designer is not consulted on such matters.

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.

ENQUIRY FORM

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QUESTIONS AND ANSWERS**2896 COPYRIGHT OF DRAWINGS**

Q For about eleven months I was architect to a local building estate company and was paid by a fixed salary. I was the only architect on the staff, although the managing director of the company had, prior to my appointment, signed his name on drawings followed by the words "registered architect." I believe his name does still appear in the Register although he is actively concerned with the building side.

I subsequently left the employment of this firm and started my own practice. The director has now told me in casual conversation that he proposes to re-use plans which I prepared for a particular layout of houses while employed by him.

I believe he is quite within his rights, but I should like to be certain. Can he have prints taken from negatives I prepared for the houses on this layout and build from these ad lib? And who in fact holds the copyright of these drawings?

A Under the Copyright Act 1911 the owner of the copyright is the author, i.e., in the case of architectural works, the architect, unless he is in the employment of some other person under a contract of service and the work is made in the course of his employment. In that case, unless there is an agreement to the contrary, the employer is the owner of the copyright. On the facts stated, your employer owns the copyright in the work done during such employment and can therefore use the work without infringement of copyright.

Announcements

Mr. E. W. Beaumont, B.A.R.C.H.(HONS.), LIVERPOOL, A.R.I.B.A., A.M.T.P.I., has recently taken up the new appointment of Architect and Planning Officer to the Town of Lurgan, Co. Armagh, and would be pleased to receive trade catalogues, etc., at the following address: Gas Showrooms, William Street, Lurgan, Co. Armagh.

The Electrical Association for Women has moved into new headquarters at 35, Grosvenor Place, S.W.1.

Mr. Charles C. Spence, A.R.I.B.A., and Mr. Geoffrey L. Price, A.R.I.B.A., have removed from 15, Haldane Terrace, Newcastle-upon-Tyne, 2, to 26, St. Mary's Place, Newcastle-upon-Tyne, 1. (Telephone: Newcastle 23860). They will be pleased to receive trade catalogues.

Mr. W. I. Watson, of 40, Belvedere Road, Taunton, Somerset, has been appointed to the Colonial Service as an Architect in Northern Rhodesia. Mr. Watson, who was born in West Ealing, studied at Durham University Architectural School. He is an A.R.I.B.A., qualified for election to Fellowship. He has held appointments under the City Engineer, Crewe; County Surveyor, Norfolk; Borough Surveyor, Barrow-in-Furness; City Architect, Stoke-on-Trent; and County Architect, Somerset. He has also been a Surveyor of Works and Officer on Special Duty with the Government of India.

Through the co-operation of hundreds of manufacturers in many industries, a complete exhibition of light alloy materials as used in the building and engineering industries has been opened at the Birmingham (Woodgate) works of Birmid Industries, Ltd. Housing equipment, domestic articles

of all kinds, car panels and decorative metal-work in Birmabright are on view, together with one of the original lifeboats, Birmal constructed, which saw service in the North African landings. Several new applications of Birmal light alloys to building requirements, as yet in the prototype stages, are also included.

At a luncheon to the press to commemorate the fiftieth anniversary of the company's incorporation, Messrs. Gaskell and Chambers, Ltd., of Birmingham, announced the forthcoming production of several items of interest to architects concerned with the public house plans of the brewing industry. The new Daletric beer engine—finger-light controlled, electrically powered, and operated by a $\frac{1}{4}$ inch movement to open and close the tap, was shown in practical operation, and preliminary details given of a new glass cleaning machine, and a spirit and burn resisting material for bar and table coverings. A new factory (architect, S. N. Cooke, F.R.I.B.A.) is in course of construction to replace the old buildings destroyed by enemy action.

Mr. Orrell H. Nuttall, L.R.I.B.A., of Prudential Chambers, Banbury, Oxon, will be pleased to receive trade catalogues and technical information.

The Brighton office of British Insulated Callender's Cables, Ltd., is now 59A, Middle Street. (Telephone: Brighton 9212/3.)

A Standard Library has now been supplied by the Timber Development Association to forty-two Schools and Colleges holding TDA classes of instruction in timber technology. Books forming the Standard Library have recently been placed in educational establishments at Aberdeen, City of London, Erith, Gillingham, Gravesend, Gloucester, Hammersmith, Lewisham and Stirling.

Mr. George R. Fordham, A.R.I.B.A., since being released from War Service, has entered into partnership with Mr. Gordon O'Neill, F.R.I.B.A., and they will practise under the style of O'Neill and Fordham F/A.R.I.B.A., Chartered Architects, at 65, Springfield Road, Chelmsford, Essex. (Tel. 3004), and at 21, St. John's Avenue, Chelmsford.

Mr. Colin St. Clair Oakes, A.R.I.B.A., has been appointed principal architect to the Imperial War Graves Commission for the South East Asia area. Mr. Oakes is a Rome Scholar and holds a senior lectureship at the Architectural Association School of Architecture. He is a partner in the firm of Sir Aston Webb and Son.

NEW BUILDINGS IN DUBLIN

Following are the names of the contractors for the Buildings dealt with in the article *The New Buildings of Dublin* on pages 476 to 478. Church of Corpus Christi (R.C.), Whitehall, Co. Dublin, John Sisk & Son (Dublin), Ltd. Monument Café and Cake Shop, Grafton Street, Dublin, O'Connor and Bailey, Ltd. Nurses' Home, Grangegorman Mental Hospital, Upper Grangegorman, Dublin, H. C. McNally and Co., Ltd. Four Provinces House, Harcourt Street, Dublin, Richard Macken, Ltd. Rourke's Bread Shop, Parnell Street, Dublin, John Lappin. Dublin Airport Terminal Building, Collinstown, Co. Dublin, Murphy Bros. "Knocknashane," Brennanstown, Road, Carrickmines, Co. Dublin, Joseph E. Moore. Department of Industry and Commerce, Kildare Street, Dublin, John Sisk and Son (Dublin), Ltd.

THE BIGGEST PROBLEM -
SHORTAGE OF MAN POWER

"THE BIGGEST PROBLEM IS THE ALMOST UNIVERSAL
SHORTAGE OF MAN POWER"

Economic White Paper, January, 1947

RAWLBOLTS Save Man Power in 2 ways

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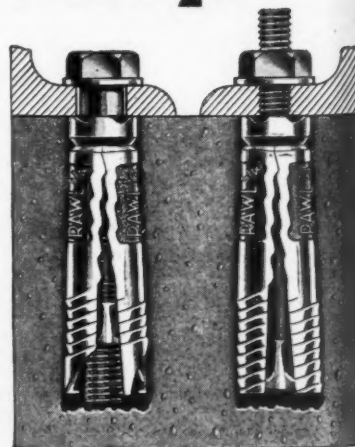
The solid sides of a small hole, into which a Rawlbolt fits snugly, afford all the resistance required for the expanding metal shields as the bolt is being tightened. When fully expanded, the metal shields exert a tremendous grip on the sides of the hole ensuring an absolutely firm fixing.

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"This book gives a remarkably comprehensive and up-to-date account of modern masonry."—BUILDING.

"The book neglects nothing that is of use in practical building."—THE EASTERN ENGINEER.

Parker Street,
Kingsway, W.C.2.

PITMAN



"IN MY TIME"
quoth

King Merodach-nadin-akhi

Before Babylon tottered to a fall, there laboured men who knew so much about building that even to-day evidence of their work can be seen in excavations dating back over 2,000 years! In their dampcourses, for instance, the builders of Babylon used bitumens which through all the centuries have retained their original structure and are, indeed, virtually indestructible.

To-day in Britain, more and more Architects and Builders are wisely specifying Astos—a scientific compound of bitumen and asbestos. Impervious to damp, Astos is easy to transport, quick and easy to lay and thus reduces construction costs.

ASTOS

100% MINERAL DAMPCOURSE

THE RUBEROID CO. LTD.,

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Supplied in rolls of 24 lineal feet and in all wall widths up to 36 inches. Supplies are subject to Ministry of Works regulations.

More than conforms with the requirements of British Standard Specification No. 743/1941.

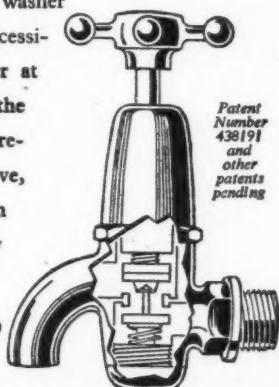
For the new building

A NEW TAP

automatically turns off water while washer is being changed

Architect and builder will recognise in the *Shaff Tap* a practical and worth-while development in water-tap design. For changing a washer

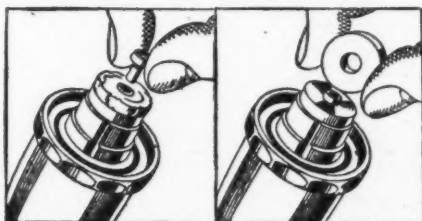
of a *Shaff Tap* does not necessitate turning off the water at the main or stop-tap. As the head is unscrewed and removed the secondary valve, located in the bottom housing, automatically stops the flow.



Patent Number 438191 and other patents pending

WASHER CHANGED IN 30 SECONDS!

Another time and trouble-saving feature is the absence of a nut to hold the washer in position. A spindle pin, used to withdraw and re-insert, is substituted. In less than a minute a novice can change the washer on a *Shaff Tap*.



Shaff Taps

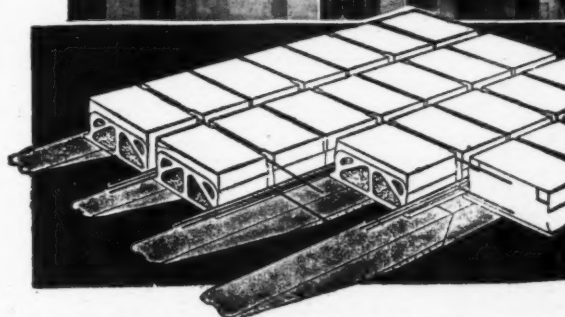
Possessing the above patented features and otherwise conforming to British Standard 1010 in quality and dimension, this tap has been accepted by the Metropolitan and many other Water Boards in U.K. and throughout the world.

Write for: fully descriptive leaflet to:—

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The SMITH TWO-WAY reinforced fireproof floor can be employed immediately for any flooring or roofing requirement. It is constructed with standardised pre-cast hollow concrete blocks.

The employment of patent telescopic centers permits the immediate use of the floor with the additional advantage of their removal in the minimum of time.

Limited quantities of TRIANCO TELESCOPIC CENTERS are now available for use in connection with suspended floors of all types. Write or phone without delay.

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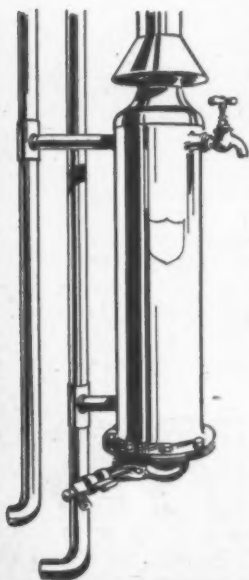
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The SPARTANS

trained themselves to despise the lure of comfort. They lived hard. We moderns, however, while willing to show Spartan endurance when necessary, as the war-years have proved, ask in normal life for reasonable comfort. Especially we hold that personal habits and household requirements call for an unflinching supply of hot water.



The HALLIDAY Gas-Fired BOILER

has these merits:

- ★ "STREAM LINED" CONSTRUCTION GIVES QUICK HEATING
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KETTON FREESTONE

All those who remember the beauty and durability of this famous limestone will welcome the news that Ketton Freestone Quarries are again in full production after the limitations imposed by the war years.

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Among the many advantages of this flat roof construction are the qualities of strength and durability greatly in excess of the requirements of any public authority. With its relatively low dead weight of 4.75 lbs. per square foot and purlins spaced at 6 ft. 3 in. centres the utmost economies can be made in the supporting steelwork.

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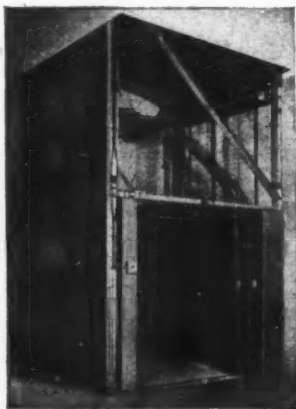
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James Clark & Son, Ltd., and Eaton, Parr & Gibson Ltd., were leading specialist fixers of 'Vitrolite' before the war. Now, their resources and experience are pooled, and despite present conditions Clark-Eaton are giving exceptional service.

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CLASSIFIED ADVERTISEMENTS

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

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

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. 90A

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, 84-6, Moorgate, E.C.3, 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. 91A

MARSHLAND RURAL DISTRICT COUNCIL.
WISBECH RURAL DISTRICT COUNCIL.

SENIOR ARCHITECTURAL ASSISTANT.

Applications are invited from duly qualified persons for the joint appointment of Senior Architectural Assistant to the two Councils, at a salary in accordance with Grade A.P.T., IV, of the National Scale of Conditions of Service (£240 to £465), plus cost-of-living bonus (at present £59 16s. per annum).

Applicants must be capable of preparing house designs, working drawings, specifications and bills of quantities, and preference will be given to those who have had experience of Local Authorities' housing schemes.

Applications from ex-Service men with the necessary experience will be welcomed, and such applicants should state the date they would be available to commence their duties.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to one month's notice on either side, and the person appointed will not be allowed to engage in private practice.

If necessary, the Councils will assist in the provision of a house out of houses under construction.

Applications, endorsed "Senior Architectural Assistant," stating age, qualifications, details of experience, etc., together with copies of three recent testimonials, to be sent to the undersigned so as to be received not later than first post on the 17th June, 1947.

Canvassing will be a disqualification.

G. HELLIER, Clerk to the Councils.

Council Offices, Alexandra Road, Wisbech, Cambs.

20th May, 1947. 526

SCOTTISH SPECIAL HOUSING ASSOCIATION, LTD., invite applications for the following appointments:—

ARCHITECTS, Grade I, £700×£25—£900;
ARCHITECTS, Grade II, £450×£25—£675.

ENGINEERS, Grade I, £700×£25—£900;
ENGINEERS, Grade II, £450×£25—£675.

QUANTITY SURVEYOR AND ESTIMATOR, £1,000×£30—£1,200.

QUANTITY SURVEYORS, Grade I, £700×£25—£900; QUANTITY SURVEYORS, Grade II, £450×£25—£675.

LAND SURVEYORS, £450×£25—£675; and JUNIOR ASSISTANT LAND SURVEYORS, £300×£15—£400.

No bonus is payable on the salaries stated.

Forms of application, with full particulars, can be obtained from the Secretary, Scottish Special Housing Association, Ltd., 15/21, Palmerston Place, Edinburgh, and all applications must be in the hands of the Secretary not later than 12th July, 1947. Canvassing will be a disqualification. 999

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

COUNTY BOROUGH OF EAST HAM EDUCATION COMMITTEE.

EAST HAM TECHNICAL COLLEGE, BARKING ROAD, E.6.

Principal: A. J. JINKINS, B.Sc., Ph.D., R.R.I.C.

SCHOOL OF BUILDING.

Applications are invited for the post of TEACHER OF SCIENCE AND MATHEMATICS, at the School of Building.

Applicants should hold a Degree or equivalent qualification.

The salary is in accordance with the Burnham (Technical) Scale, London area.

A form of application, which should be returned as soon as possible, can be obtained from the undersigned.

(Signed) L. J. DYER, Chief Education Officer.

The Education Office, Town Hall Annexe, Barking Road, East Ham, E.6.

27th May, 1947. 558

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.650 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. 501

CITY OF OXFORD.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment on the permanent staff:—
ONE CHIEF ARCHITECTURAL ASSISTANT (HOUSING).

Grade VI, £535-£600 per annum, plus cost-of-living bonus (at present £59 16s.).

Applicants should be Associate Members of the R.I.B.A. and have had experience in Housing work for a Local Authority.

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

Housing accommodation will be made available if necessary.

Forms of application may be obtained from the City Architect, Town Hall, Oxford, and should be returned, completed, not later than 20th June, 1947.

HARRY PLOWMAN, Town Clerk. 541

Town Hall, Oxford.

24th May, 1947.

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BOROUGH OF PUDSEY.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant, in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade II of the A.P.T. Division of the Scale of Salaries, set out in the Scheme of Conditions of Service, namely £350 per annum, rising by annual increments of £15 to £405 per annum, plus cost-of-living bonus, at present £59 16s.

Candidates should have had experience in the Design of Houses and Estate Layouts, Supervision of Contracts of Buildings, Road and Sewer Works, Setting Out and Measurement of Work, and Keeping of Records.

The appointment will be subject to (a) the Scheme of Conditions of Service, (b) the provisions of the Local Government Superannuation Act, 1937, and (c) the successful candidate passing a medical examination.

The Council will consider providing suitable housing accommodation (if necessary) for the successful applicant.

Applications, stating age, giving full details of training, experience, present and previous positions held and qualifications, and accompanied by copies of not more than three recent testimonials, must be delivered to the Borough Surveyor, Town Hall, Pudsey, not later than 9 a.m. on Monday, the 9th June, 1947.

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

W. R. CRUSE, Town Clerk. 996

Town Hall, Pudsey.

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**LONDON COUNTY COUNCIL.
VACANCIES FOR ARCHITECTURAL STAFF
IN THE ARCHITECT'S DEPARTMENT.**

Applications are invited for a number of positions in the following grades:—

ARCHITECT (Grade III), £550—£25—£700 a year (professional qualifications required).

TECHNICAL ASSISTANT (Section A), £440—£20—£580 a year.

TECHNICAL ASSISTANT (Section B). Up to 167s. 6d. per week.

Commencing rates will be according to qualifications and experience.

Required for work in connection with the design and erection of new schools and other buildings, and structural alterations to existing buildings.

A number of technical assistants also required for the preparation of specifications and estimates for works of cleaning and painting, war damage repairs, and alterations at schools and other buildings.

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

Other things being equal, ex-Servicemen and women will receive special consideration.

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

Canvassing disqualifieds. (1406) 891

**LONDON COUNTY COUNCIL.
QUANTITY SURVEYORS.**

Vacancies exist for Quantity Surveyors, in the Housing and Valuation Department, for work in connection with the development of cottage estates and the construction of multi-story dwellings, at consolidated salaries of up to £700 a year, the commencing salary in each case being determined according to qualifications and experience. Successful candidates will be required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for appointment to the Council's permanent staff and for advancement on the occurrence of vacancies.

Duties will include:—
(a) Measurement of work in construction of houses, roads and sewers, preparation of interim and final bills; measurement and adjustment of sub-contracts; preparation of cost statistics, estimates, etc.

(b) Management of housing contracts of considerable value; interim valuations for payments; measurements of variations and settlement of final accounts.

Forms of application may be obtained from the Director of Housing and Valuer, The County Hall, Westminster Bridge, S.E.1, (a stamped addressed foolscap envelope required). Completed forms must be returned not later than seven days after the appearance of this notice.

Canvassing disqualifieds. (632) 997

**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

**COUNTY BOROUGH OF IPSWICH.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of Architectural Assistant, in the Borough Surveyor's Department.

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

Salary will be in accordance with Grade IV of the A.P.T. Division of the National Scales (£480 to £465 per annum), plus the current cost-of-living bonus.

There is no form of application, but candidates must state age, experience, and any other relevant details.

Copies of not more than three recent testimonials must be supplied.

Applications must be received by the Borough Surveyor, Town Hall, Ipswich, not later than Monday, 16th June, 1947.

Canvassing will disqualify. If the applicant is to his knowledge related to any member or any senior officer of the Council he must disclose that fact in writing when submitting his application.

J. G. BARR,
Town Clerk. 559

Town Hall, Ipswich.
23rd 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 supernumerary.

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 disqualifieds. (1680) 535

**COUNTY BOROUGH OF BURNLEY.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.**

Applications are invited for the appointment of SENIOR ARCHITECTURAL ASSISTANT, at a salary in accordance with Grade V of the National Scales, viz., £460—£510, plus bonus, at present £59 16s. per annum. The commencing salary will be fixed in accordance with experience and qualifications.

Applicants should have had experience in the design of Educational Buildings, and preference will be given to Associates of the Royal Institute of British Architects.

Conditions of service are those formulated by the National Joint Council, and the appointment is on the established staff and subject to the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination.

Forms of application may be obtained from the Borough Engineer and Surveyor, Town Hall, Burnley, to whom applications should be returned in the envelope provided, not later than noon on Monday, the 16th June, 1947.

C. V. THORNEY,
Town Clerk. 533

Town Hall, Burnley.
22nd May, 1947.

**RURAL DISTRICT COUNCIL OF
WINCANTON.**

ARCHITECTURAL ASSISTANT.
Applications are invited for the appointment of Architectural Assistant, in the Architect's and Housing Department of the Council.

The appointment will be temporary, but will subsist for at least three years.

Applicants must be competent to make surveys, prepare plans, deal with quantities, and to assist generally in the drawing office.

The salary will be in accordance with Grade III of the National Scale (£390 to £435), with cost-of-living bonus (at present £59 16s. per annum).

If the person appointed is a married man, the Council will find him housing accommodation within their district.

Applications, stating age, qualifications and experience, and giving the names of three persons to whom reference can be made, must be received by the undersigned not later than the 14th June, 1947.

Canvassing, direct or indirect, will be a disqualification.

S. L. CHAVE,
Clerk of the Council.
Council Offices, Wincanton, Somerset.
22nd May, 1947. 532

**ESSEX EDUCATION COMMITTEE.
MID-ESSEX TECHNICAL COLLEGE AND
SCHOOL OF ART, CHELMSFORD.**

Applications are invited for the following appointment:—

Full-time LECTURER, in the Department of Architecture, to instruct full-time Day and Evening Students in the following subjects:—

Calculation of Simple Structural Members and Constructional Design and the Properties and Uses of Building Materials (Intermediate A.R.I.B.A.) and Theory of Structures, Hygiene, Specifications and Professional Practice (Final A.R.I.B.A.).

The successful candidate should be an A.R.I.B.A., preferably trained at a recognized School of Architecture, and with experience in an Architect's office.

Previous teaching experience, though desirable, is not essential.

Salary in accordance with the Assistants' Scale, Burnham Technical Report, with allowances for approved professional and/or industrial experience.

The successful candidate will be required to commence duties on 1st September, 1947.

Further particulars and application forms, which should be returned within a fortnight of the appearance of this advertisement, may be obtained from the Clerk to the Governors, Mid Essex Technical College and School of Art, Market Road, Chelmsford, on receipt of a stamped addressed envelope.

B. B. LAWRENCE,
Chief Education Officer.

County Offices, Chelmsford. 531

County Offices, Chelmsford.
23rd May, 1947.

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

Applications are invited for the following permanent appointments on the staff of the County Architect's Department:—

(a) **CHIEF ASSISTANT ARCHITECT, Grade VIII** (£625 to £25—£700 per annum). Candidates must be Associates of the Royal Institute of British Architects, with general architectural proficiency, sound experience in Local Government administration, and ability to supervise staff.

(b) **TWO SENIOR ASSISTANT ARCHITECTS, Grade VII** (£575 to £25—£650 per annum). Candidates must be Associates R.I.B.A. and capable of preparing preliminary sketch plans, working drawings and specifications without supervision; they should be thoroughly experienced in the design and construction of public buildings, including schools.

(c) **ONE ASSISTANT ARCHITECT, Grade V** (£460 to £15 to £20—£510 per annum). Candidates must be Registered Architects, preferably Associates R.I.B.A., with good general experience, and be capable of preparing reliable working drawings.

The current cost-of-living bonus of £59 16s. per annum will be paid in addition to the salaries stated.

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

Applications, accompanied by copies of not more than three recent testimonials, should state age, qualifications, experience, present and previous appointments (with dates), and must be delivered to W. T. Lloyd, A.R.I.B.A., County Architect, County Offices, Carmarthen, not later than Monday, 23rd June, 1947.

DANIEL JOHNS,
Clerk to the County Council.
County Offices, Spilman Street, Carmarthen. 534

**WESTMINSTER CITY COUNCIL.
TECHNICAL ASSISTANTS.**

Applications are invited for appointment of two Technical Assistants (temporary) for Civil Building Licensing Section of Housing Department. Salary, £380 to £15—£425 per annum, Grade A.P.T. II, of National Scales, plus bonus, £59 16s. per annum. Age limit, 45 years (except existing members of Council's staff). Superannuation scheme. Canvassing disqualifieds.

Applicants should have had good experience of the building trade, and should possess a thorough practical knowledge of builders (quantities). Persons appointed will be required to check applications for Civil Building Licences, and plans and specifications in connection therewith, and to make surveys of premises for this purpose.

Applications, marked "Technical Assistant—Housing Department," stating full name, address, age, war service, examination qualifications, experience, whether related to any member or chief officer of the Council, with copies of recent testimonials, must be received by Monday, 16th June, 1947.

PARKER MORRIS,
Town Clerk.
Westminster City Council, City Hall,
Charing Cross Road, W.C.2.
23rd May, 1947. 531

**CITY OF WAKEFIELD.
APPOINTMENT OF QUANTITY SURVEYOR.**

Applications are invited for the position of Quantity Surveyor, in the City Engineer's Department, at a salary of £460 per annum, rising by three annual increments of £15 per annum to a maximum of £510 per annum, plus cost-of-living bonus, which at present is at the rate of £59 16s. per annum.

Candidates must be capable of preparing specifications, taking off, abstracting and billing of quantities, and of adjusting and settling contractors' accounts, for building works.

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

Applications (on the prescribed form to be obtained from the City Engineer, Town Hall, Wakefield), stating age and full particulars of experience, and enclosing two copies of recent testimonials, should be sent to the undersigned not later than Saturday, the 21st June, 1947.

W. S. DES FORGES,
Town Clerk.
Town Hall, Wakefield.
May, 1947. 546

**CITY OF BIRMINGHAM EDUCATION
COMMITTEE.**

BIRMINGHAM SCHOOL ASSISTANT MASTER OF ARCHITECTURE is required to commence duty on 15th September, 1947, for 20 hours' duty a week throughout a school year of about 40 weeks. Commencing salary will be 5/6ths of the Burnham Technical Scale for Senior Assistants (£600—£25—£750), with additions for appropriate professional qualifications.

Applications (no special form), stating age, qualifications and previous experience, and not more than two testimonials, must be sent to the Principals of the College of Arts and Crafts, Margaret Street, Birmingham, 3, not later than 14th June.

E. L. RUSSELL,
Chief Education Officer.

County Offices, Chelmsford. 531

County Offices, Chelmsford.
23rd May, 1947.

COUNTY BOROUGH OF BURNLEY: EDUCATION COMMITTEE.

MUNICIPAL SCHOOL OF ART.
Applications are invited for the position of **INSTRUCTOR IN ARCHITECTURE**, up to and including R.I.B.A. standard.
For forms of application, enclosing stamped addressed foolscap envelope, to the Director of Education, Education Office, Burnley, by whom completed applications must be received not later than 10 days after the date of issue of this advertisement. Canvassing prohibited.

C. V. THORNLEY,
Town Clerk.

3rd May, 1947.

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BOROUGH OF TOTTENHAM.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
CIVIL ENGINEERING ASSISTANTS.
ARCHITECTURAL ASSISTANTS.
BUILDING INSPECTOR.

Applications are invited for the following appointments to established posts in the Department of the Borough Engineer and Surveyor, at salaries in accordance with grades of the A.P. & T. Division of the National Scales of Salaries as follows:—

(a) **CIVIL ENGINEERING ASSISTANTS.**
First Civil Engineering Assistant (Grade VI), £555, by two annual increments of £20 and one of £25 to £620.

Senior Civil Engineering Assistant (Grade V), £480, by two annual increments of £15 and one of £20 to £530.

(b) **ARCHITECTURAL ASSISTANTS.**
Senior Assistant (Grade VI), £555, by two annual increments of £20 and one of £25 to £620.
Grade V, £480, by two annual increments of £15 and one of £20 to £530.

Grade IV, £440, by three annual increments of £15 to £485.

(c) **BUILDING INSPECTOR.**
Grade V, £480, by two annual increments of £15 and one of £20 to £530.

In addition a cost-of-living bonus of £59 16s. per annum (Males) and £48 2s. (females) is payable on all salaries.

Qualifications:—
(a) Civil Engineering Assistants, and (b) Architectural Assistants. Applicants must hold one of the following qualifications: A British University degree in Engineering or Architecture, A.M.I.C.E., A.R.I.B.A., or Testamur of the Institution of Municipal Engineers.

(c) Building Inspector. Applicants must hold one of the following qualifications: A.M.I.C.E., A.R.I.B.A., F.A.S.I., or Testamur of the Institution of Municipal Engineers.

The appointments will be subject to the provisions of the Scheme of Conditions of Service of the National Joint Council for Local Authorities, Administrative, Professional, Technical and Clerical Services; to the provisions of the Local Government Superannuation Act, 1937; and the medical examination.

Forms of application may be obtained from the Borough Engineer and Surveyor, Town Hall, Tottenham, N.15, to whom they should be returned, together with copies of two recent testimonials, not later than Monday, 23rd June, 1947.

E. TOWNSON,

Town Clerk.

Town Hall, Tottenham, N.15.

575

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 submitted endorsed and delivered to the undersigned not later than the first post on Monday, 23rd June, 1947.

J. V. OLDFIELD, M.A.I.C.E.,

Borough Engineer and Surveyor

Municipal Offices, Town Hall Square, Grimsby.

May, 1947.

579

VACANCIES IN THE DEPARTMENT OF PUBLIC WORKS OF THE UNION OF SOUTH AFRICA.

(1) Applications are invited from suitable candidates for appointment to the vacancies indicated below, on the establishment of the Department of Public Works of the Union of South Africa.

(2) Commencing salaries within the salary ranges quoted will be determined according to qualifications and experience, and increments are granted annually, subject to satisfactory service and good conduct.

(3) In addition to the scales of pay indicated, a cost-of-living allowance at the rates indicated below is payable for the present. This allowance varies according to fluctuations in the official index of retail prices.

Salary range: Over £200 to £300 p.a.; cost-of-living allowance, married officers £102 p.a., single officers £34 p.a. Over £300 to £720 p.a.; cost-of-living allowance: married officers £115 p.a., single officers £34 p.a. Over £720 to £1,080 p.a.; cost-of-living allowance: married officers £119 p.a., single officers £28 p.a.

(4) Candidates should furnish full particulars regarding qualifications and experience. Original certificates and testimonials should not be submitted in the first instance.

(5) Appointment will in the first instance be on contract for a period of three years. Particulars regarding the terms of the contract and the general conditions of employment are obtainable from the High Commissioner for the Union of South Africa in London.

(6) The Government of the Union of South Africa will defray the cost of transporting successful candidates and their families (including reasonable quantities of personal luggage) from their places of residence in the United Kingdom to the place (or places) in South Africa where they are required to assume duty, at the following rates:—

(a) Third class by rail in the United Kingdom.

(b) By such steamship as is obtainable.

(c) First-class (Government rates) by rail in South Africa.

No travelling, incidental or other (including medical) expenses shall be payable by the Union Government, provided that if the successful applicants are required to travel by air, their families, if any, shall travel by steamship, and they shall be refunded reasonable out-of-pocket expenses actually and necessarily incurred on subsistence.

(7) In respect of the periods necessarily occupied by the successful candidates in travelling from the port/air port of embarkation to the place in South Africa where they are required to assume duty, they will be paid allowances at rates equivalent to half the basic salaries payable in respect of the first year of service.

(8) Applicants must be British subjects, and will be required to furnish satisfactory certificates of birth and health. They must, furthermore, comply with the requirements indicated against the posts shown.

(9) Application must be made on the prescribed form T.33, which is obtainable from the Secretary, Office of the High Commissioner for the Union of South Africa, South Africa House, Trafalgar Square, London, W.C.2, to whom all completed forms and copies of testimonials and professional certificates must be addressed. Applications must reach the office of the High Commissioner not later than 30th June, 1947.

FIVE SENIOR ASSISTANT QUANTITY SURVEYORS, Grade II. Scale, £600×£30—£840. Qualifications: Qualified Quantity Surveyors, with not less than 10 years' practical experience, of which at least 4 years have been spent on all types of taking-off.

FIVE SENIOR ASSISTANT QUANTITY SURVEYORS, Grade I. Scale, £840×£30—£960. Qualifications: Qualified Quantity Surveyors, with not less than 15 years' practical experience, of which at least 8 years have been spent on all sections of the work.

NINE ASSISTANT ARCHITECTS, Scale, £300×£25—£600. Qualifications: Must hold the Associateship of the Royal Institute of British Architects, and have had at least 2 years' practical experience subsequent to qualifying.

SIX SENIOR ASSISTANT ARCHITECTS, Grade II. Scale, £600×£30—£840. Qualifications: Must hold the A.R.I.B.A. and be experienced Architects, capable of handling large building projects.

THREE SENIOR ASSISTANT ARCHITECTS, Grade I. Scale, £840×£30—£960. Qualifications: Candidates must hold A.R.I.B.A., and be fully experienced Architects, good organisers and administrators capable of controlling staff and assuming full responsibility in the design of large building projects. Recognised qualifications in Town Planning will be a recommendation. 547

COUNTY COUNCIL OF MIDDLESEX.

ARCHITECTURAL ASSISTANTS required, at commencing salary of A.P.T. Grade VI, £555 p.a., rising to £620 p.a., plus any temporary bonus (now £60 p.a.). Candidates should be Associate Members of the R.I.B.A. Established and pensionable, subject to medical examination. Applications, giving age, qualifications, and experience, with copies of any recent testimonials, to Mr. C. G. Stillman, R.I.B.A., County Architect, Middlesex County Council, 20, Vauxhall Bridge Road, S.W.1, within 14 days of this advertisement. (B.941)

C. W. RADCLIFFE,

Clerk of the County Council.

Middlesex Guildhall, S.W.1.

546

STAFFORDSHIRE COUNTY COUNCIL EDUCATION COMMITTEE.

Applications are invited from qualified men or women for vacancies for **ASSISTANT ARCHITECTS** and **ARCHITECTURAL ASSISTANTS**, at salaries according to A.P.T.D., Grades VI, V, III, II and I of the National Scale.

Appointments subject to confirmation on permanent staff on completion of 6 months' satisfactory probation; also recognized for purpose of Local Government Superannuation Act, 1937.

Applications, accompanied by copies of testimonials, stating age, qualifications and experience, to be addressed to the Architect, County Education Office, Earl Street, Stafford. Candidates must state grade and post for which they apply.

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

536

COUNTY BOROUGH OF CROYDON.

BOROUGH ENGINEER'S DEPARTMENT.
JUNIOR ARCHITECTURAL ASSISTANT.

Applications are invited for this permanent appointment from suitably qualified candidates who have had architectural experience with a local authority, particularly on housing work.

Salary, Grade A.P.T., II, £380×£15—£425 per annum, plus bonus, at present £59 16s. per annum. The appointment will be subject to the Local Government Superannuation Act, 1937, and a medical examination.

Forms of application may be obtained from the Borough Engineer, Town Hall, Croydon, and should be returned to him not later than 12th June, 1947.

Canvassing will disqualify.
E. TABERNER,
Town Clerk.

Town Hall, Croydon.

15th May, 1947.

556

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, £660-£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

CITY OF PLYMOUTH.

CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff, which are subject to the Local Government Superannuation Act, 1937, a satisfactory medical examination, and one month's notice on either side for termination.

The salary scales are those of the A.P.T. and General Divisions of the National Scheme of Conditions of Service, and are subject to the addition of cost-of-living bonus, at present £59 16s. per annum.

(a) **ONE ASSISTANT ARCHITECT**, A.P.T. Division, Grade V. Salary, £460-£510 per annum.

(b) **THREE JUNIOR ARCHITECTURAL ASSISTANTS**, General Division. Salary within the scale £65-£300 per annum.

Applicants for appointment (a) should preferably be Members of the Royal Institute of British Architects.

Applicants for appointments (b) should have received training in an Architect's office, and the commencing salary will be in accordance with age.

Candidates must not be over 40 years of age, but this condition may be relaxed in the case of a person up to 45 years of age employed by another Local Authority.

Applications for appointment (a) only must be made on forms to be obtained from the undersigned; those for appointment (b) should state particulars of age, education, training and experience, etc. All applications (accompanied by copies of two recent testimonials) should be submitted to me as soon as possible.

THE CORPORATION WILL MAKE HOUSING ACCOMMODATION AVAILABLE TO THE SUCCESSFUL APPLICANTS WHO ARE MARRIED.

E. C. CATCHPOLE, A.R.I.B.A.,

City Architect,

Weston Lodge, Seymour Road, Plymouth, 521

ARCHITECTURAL ASSISTANTS REQUIRED BY MINISTRY OF WORKS.

Applications are invited to fill vacancies for Drawing Office duties in Risley, Warrington. The posts are in an unestablished capacity, and the inclusive salary is up to £550 per annum, according to qualifications and experience. 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 Architects, W.G.10, Ministry of Works, Abell House, John Islip Street, London, S.W.1. 578

SWADLINCOTE DISTRICT URBAN DISTRICT COUNCIL.

APPOINTMENT OF ASSISTANT ARCHITECT (TEMPORARY).

Applications are invited for the position of Assistant Architect, in the Office of the Surveyor to the Council. The appointment is to the temporary staff, and (subject to satisfactory service) for a period of 4 years in the first instance. Salary in accordance with Grade III of the Administrative, Professional and Technical Division, namely £390 per annum, rising by annual increments of £15 to £435 per annum, plus the current cost-of-living bonus of £59 16s. per annum.

Applicants should have had a proper training as Architects, and should hold the Intermediate Examination of the R.I.B.A. They should be skilful designers and detailers, and first-class draughtsmen, with experience in the preparation of type designs for housing schemes and layouts on a large scale. Experience of field survey work and town planning will be an added advantage.

Applications, stating age, training, experience, past and present appointments, and date available, should be addressed to Lt.-Col. F. Silvester White, A.R.I.B.A., P.A.S.I., M.I.M. & C.E., Engineer and Surveyor, Council Offices, Swadlincote, not later than Monday, 23rd June, 1947. Copy testimonials will not be required in the first instance, but candidates should give the names of three persons to whom reference can be made.

Canvassing, directly or indirectly, will disqualify. Candidates must in their applications state if to their knowledge they are related to any member or the holder of any senior office under the Council.

S. ASHTON STRAY,
Clerk of the Council.

Clerk's Office, Swadlincote. 579

WEST SUSSEX COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments, at salaries in accordance with the National Scales of Salaries:

- (a) ASSISTANT ARCHITECT. A.P.T., Grade IV (£420-£465).
- (b) ASSISTANT ARCHITECT. A.P.T., Grade I (£330-£375).
- (c) JUNIOR ASSISTANT ARCHITECT. Misc. Div., Grade I (£255-£300).

Each of the above appointments will carry a cost-of-living bonus (at present £59 16s. per annum).

Further particulars may be obtained from F. R. Steele, F.R.I.B.A., F.S.I., M.T.P.I., County Architect, County Hall, Chichester, to whom detailed applications must be submitted not later than the 18th June, 1947.

T. C. HAYWARD,
Clerk of the County Council.

County Hall, Chichester. 574

EAST SUFFOLK COUNTY COUNCIL. TOWN AND COUNTRY PLANNING ACT, 1932.

APPOINTMENT OF ASSISTANT COUNTY PLANNING OFFICER.

Applications are invited from suitably qualified persons for the appointment of Assistant County Planning Officer, in the County Planning Officer's Department.

The appointment will be in A.P.T. Grade VI, of the National Joint Council's scale, the commencing salary being determined by qualifications and experience, plus cost-of-living bonus (at present £59 16s. per annum), and scale allowance for use of motor car.

Applicants must have passed the Associate Membership Examination of the Town Planning Institute or equivalent, and preference will be given to those persons possessing qualifications in engineering, surveying or architecture.

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

Candidates should have had wide experience of all aspects of Town and Country Planning Interim Development Control and the preparation of factual surveys.

The person appointed will be required to reside in the Lowestoft district.

Applications, endorsed "Assistant County Planning Officer," stating age, experience, present position and qualifications, and having two persons to whom reference can be made, to be delivered to the undersigned not later than the first post Saturday morning, the 14th June, 1947.

Canvassing, either directly or indirectly, will disqualify.

CECIL OAKES,
Clerk of the County Council.

County Hall, Ipswich. 560

COUNTY BOROUGH OF SOUTHDOWN-ON-SEA EDUCATION COMMITTEE.

MUNICIPAL COLLEGE
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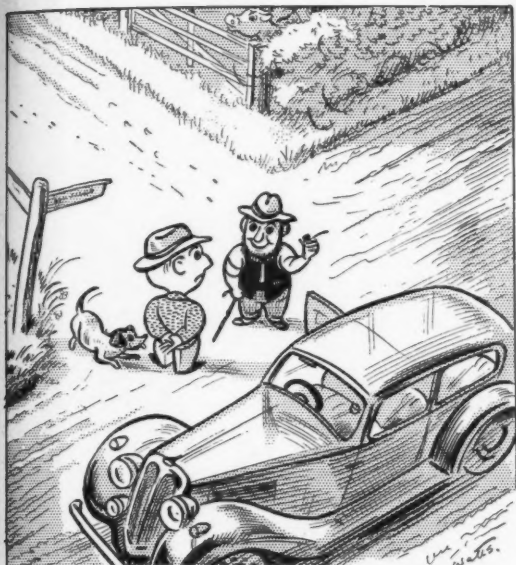
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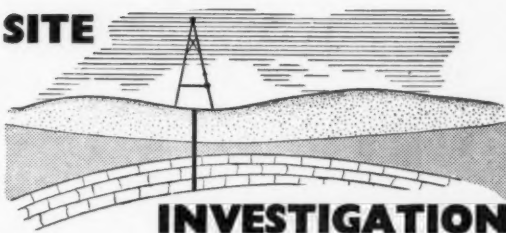
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