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Institute of Arbitrators. 35/37, Hastings House, 10, Norfolk Street,
Strand, W.C.2. Temple Bar 4071 ILA I of Arb IOB Institute of Builders. 48, Bedford Square, W.C.1. Museum 7197/5176 Institute of Refrigeration. Dalmeny House, Monument Street, E.C.3. Avenue 6851
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94, Petty France, S.W.1. Whitehall 0211 PEP Whitehall 7245 Abbey 4504 RCA RIAS Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh. Edinburgh 20396 RIBA RICS Royal Institute of British Architects. 66, Portland Place, W.1. La Royal Institution of Chartered Surveyors. 12, Great George St., S.W.1. Langham 5721 Whitehall 5322/9242 Whitehall 3935 Royal Fine Art Commission. 22A, Queen Anne's Gate, S.W.1.

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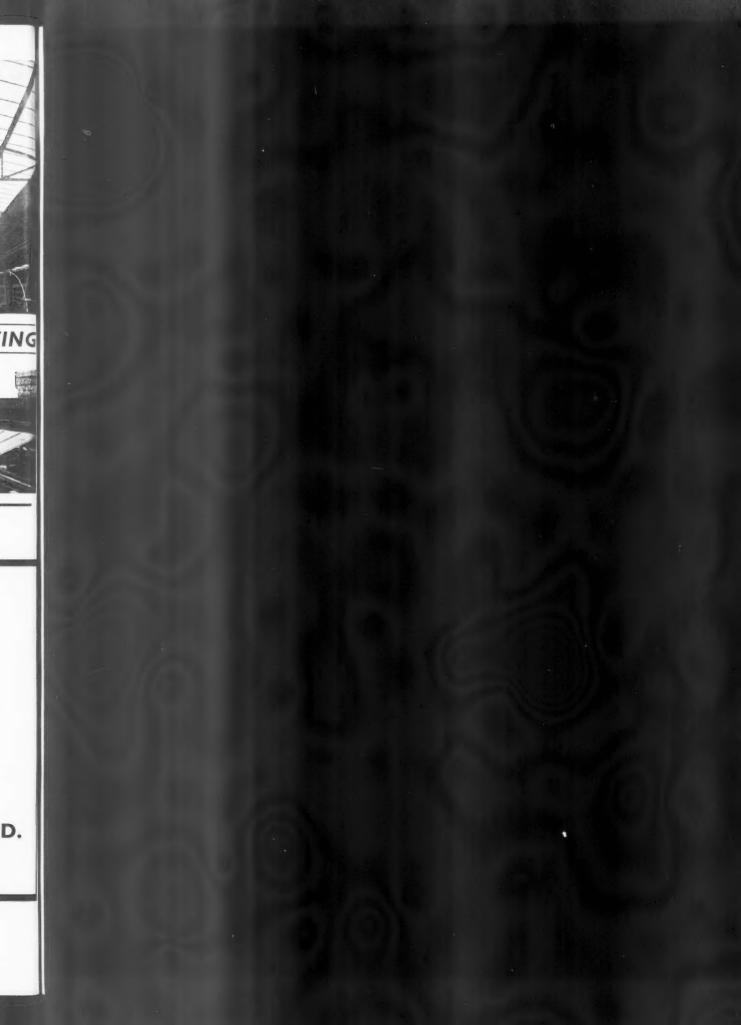
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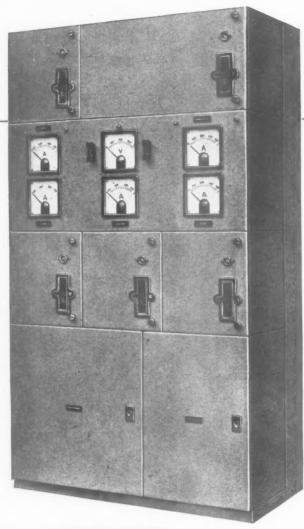
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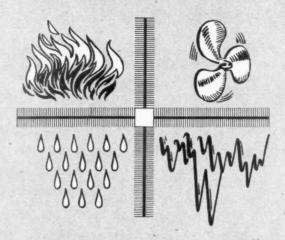
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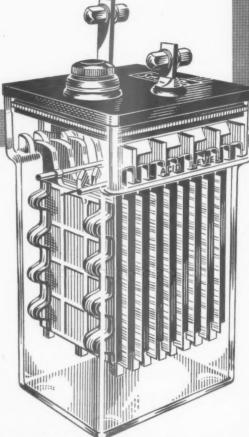
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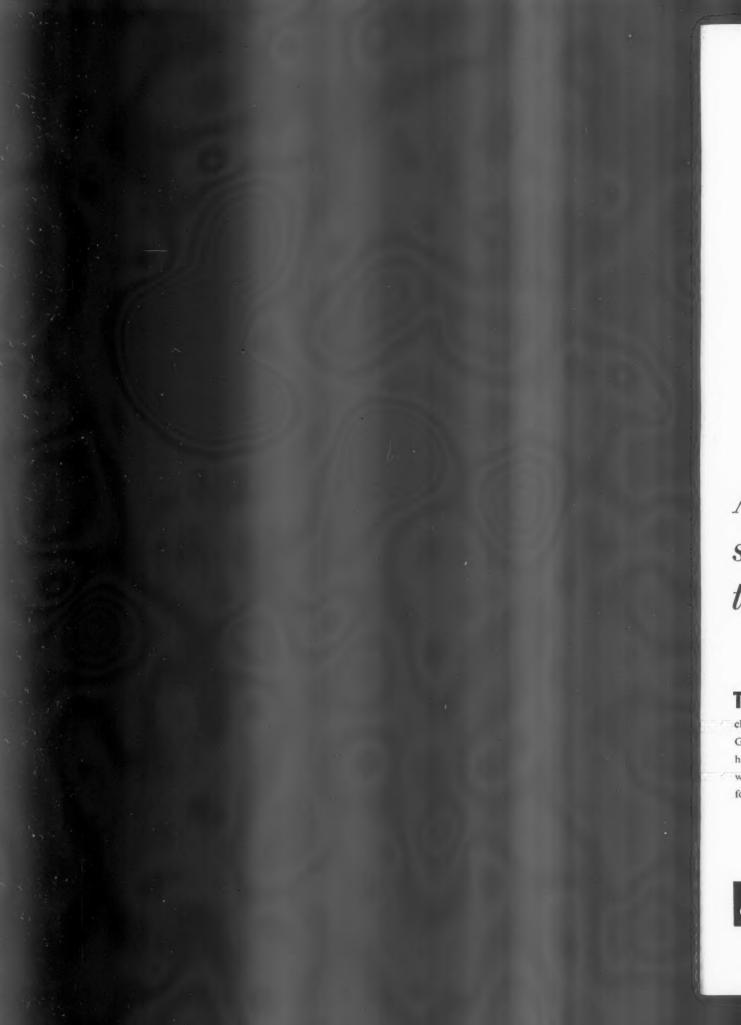
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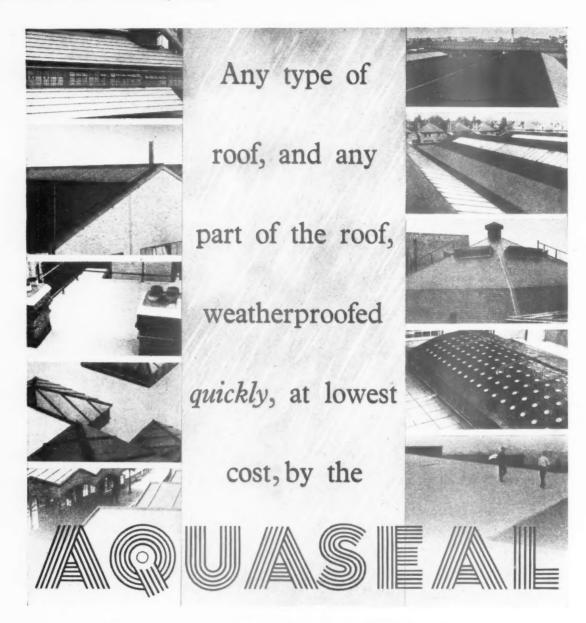








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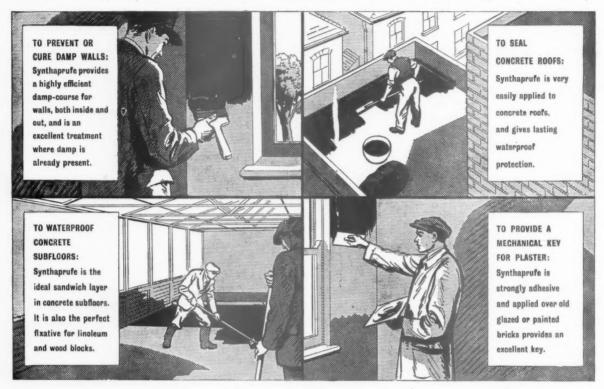
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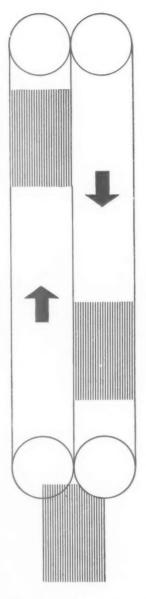
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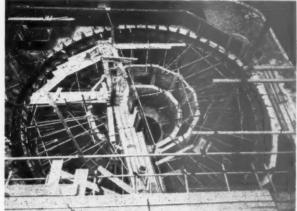
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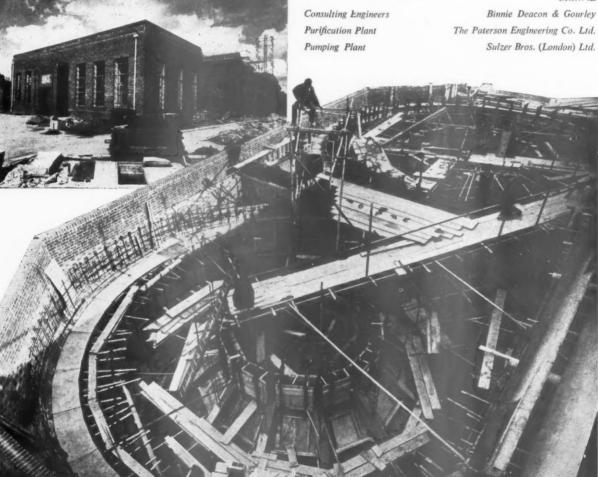


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A feature of this contract was the setting out, steel fixing and shuttering in the Accelators (shown pictured below) which accommodate revolving blades, and necessitate extreme accuracy in construction.

Board's Engineer and Manager Mr. R. Pownall, M.A., A.M.I.C.E., M.I.W.E



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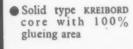
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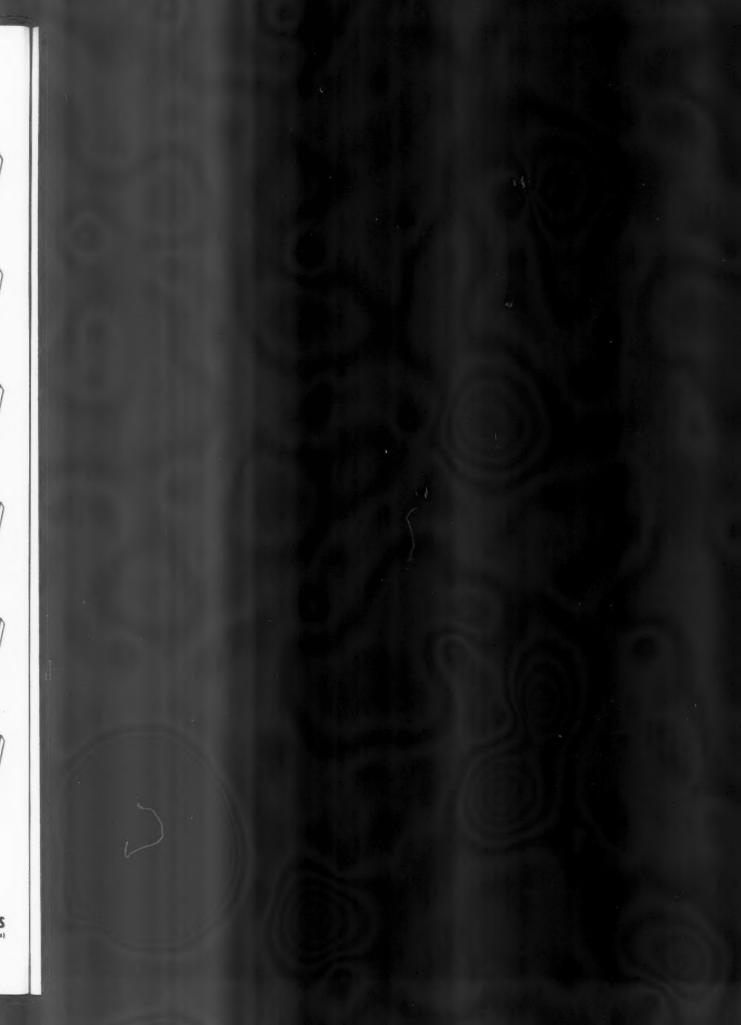
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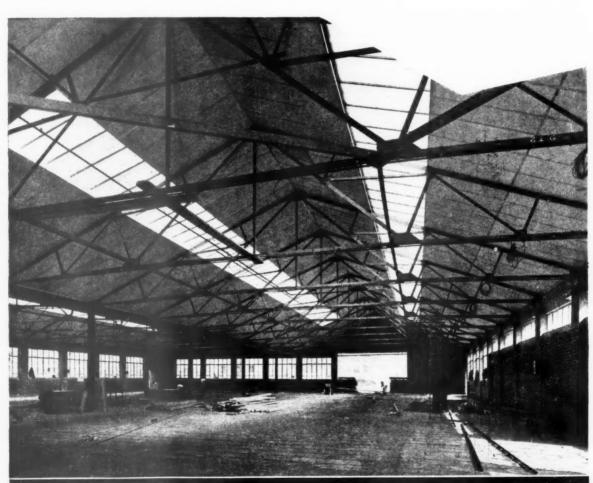


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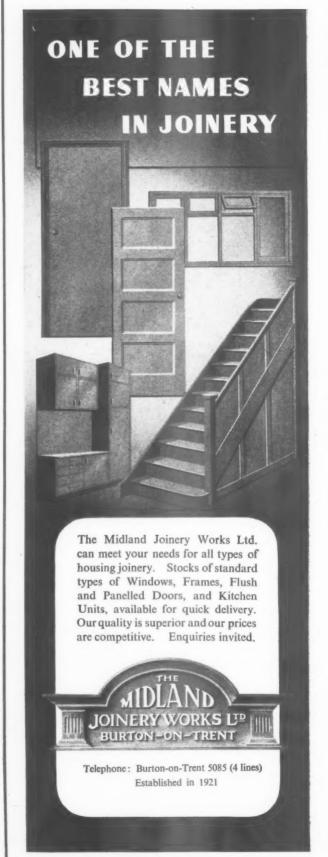


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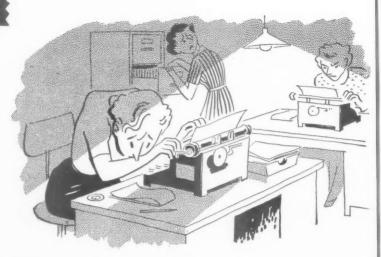
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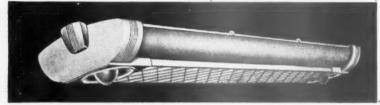
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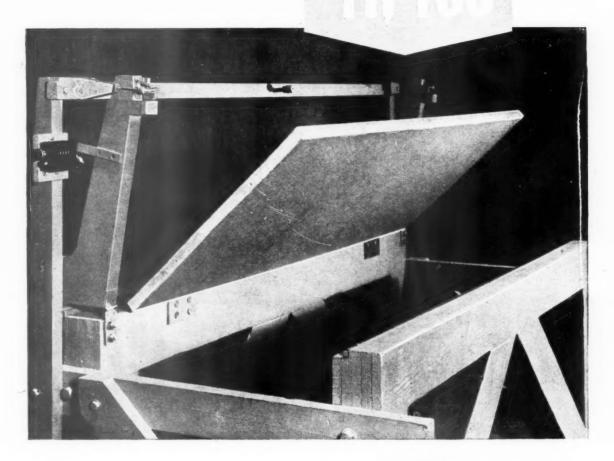
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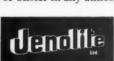
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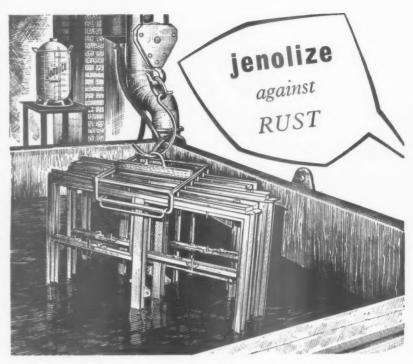
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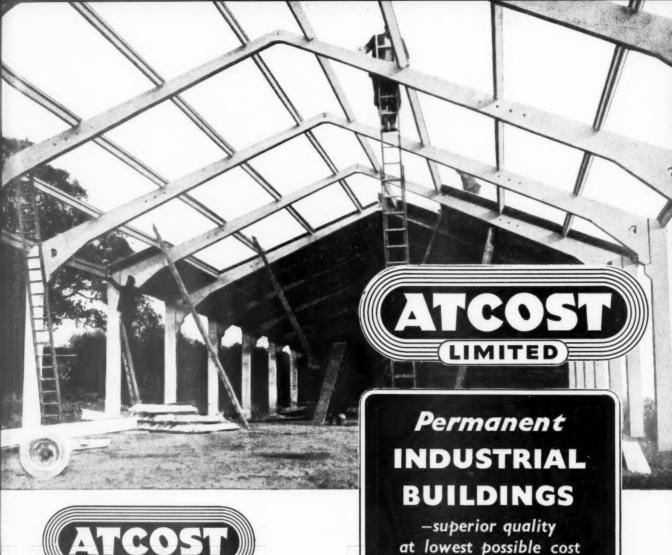
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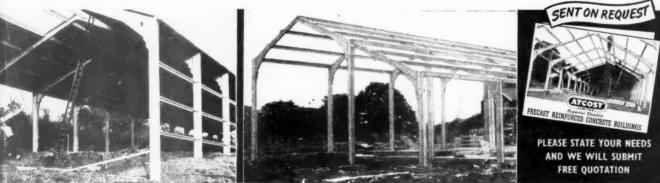


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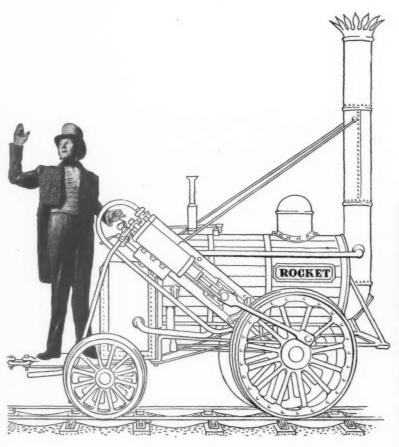


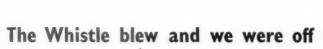












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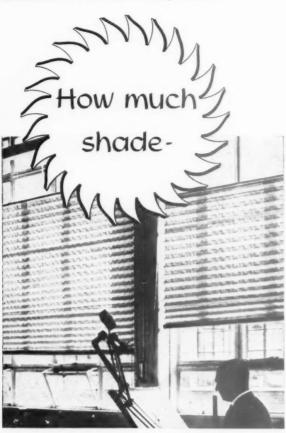


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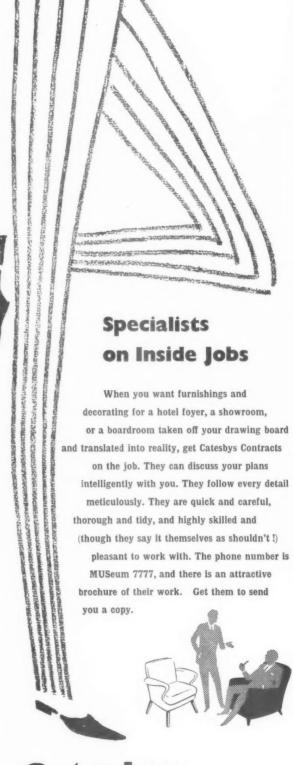
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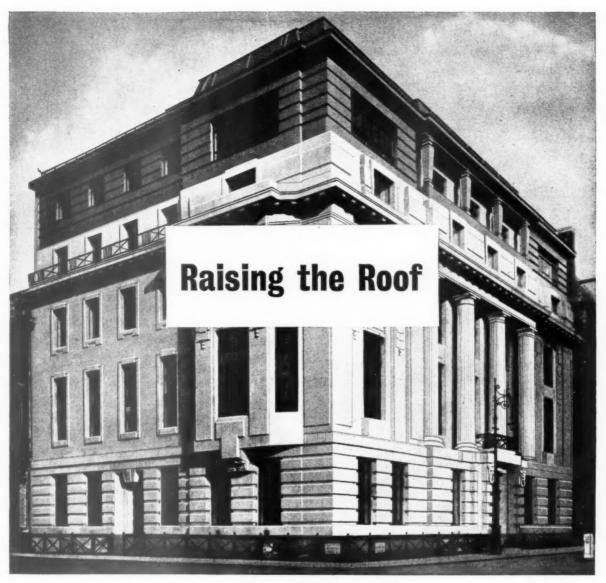
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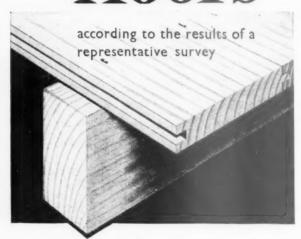
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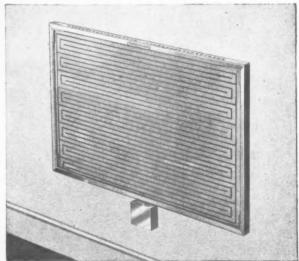
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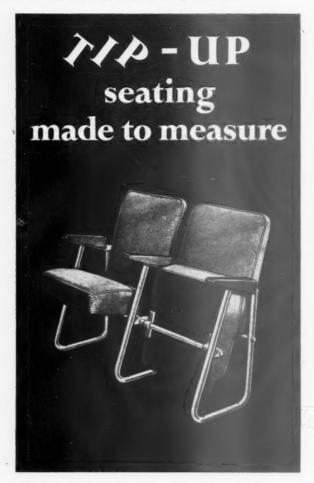


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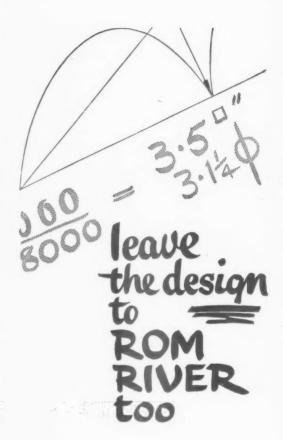
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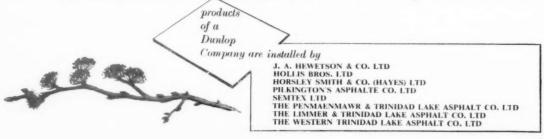
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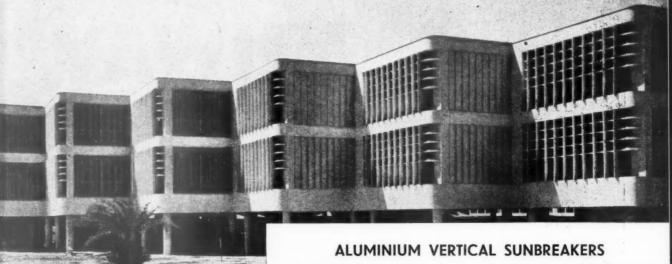
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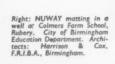
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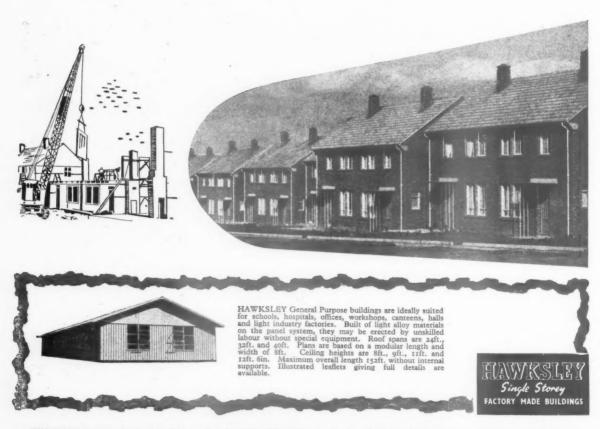
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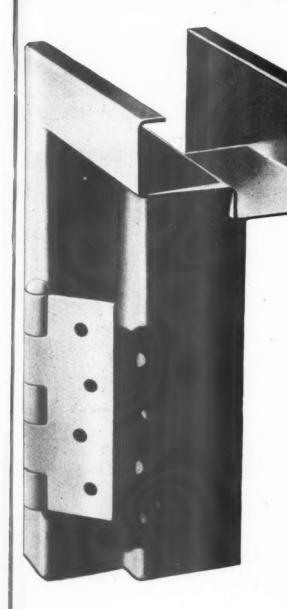
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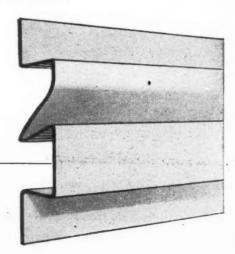
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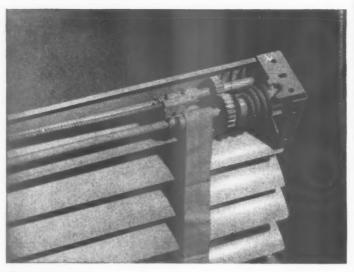
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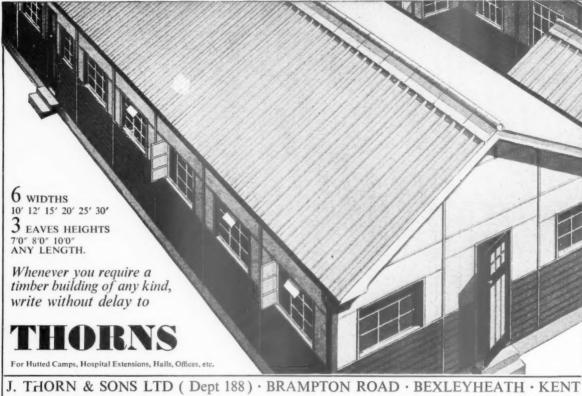
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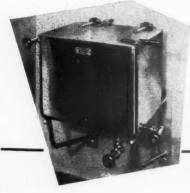
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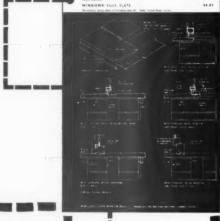
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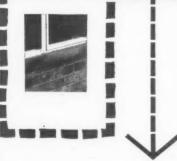






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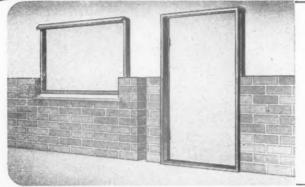
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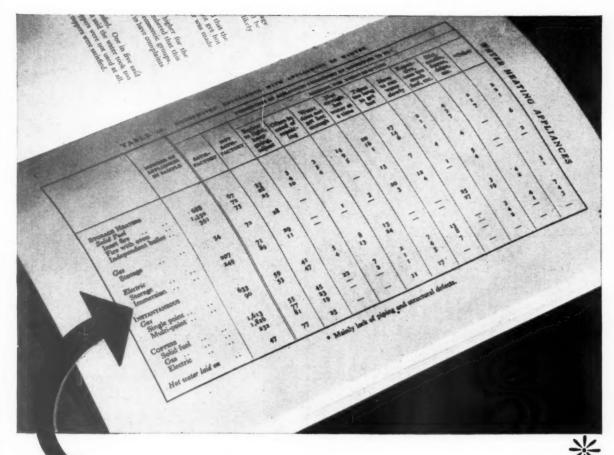
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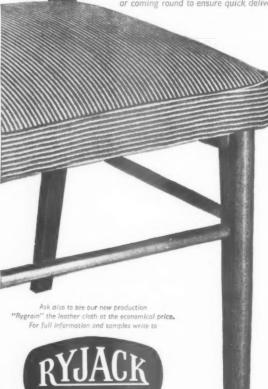
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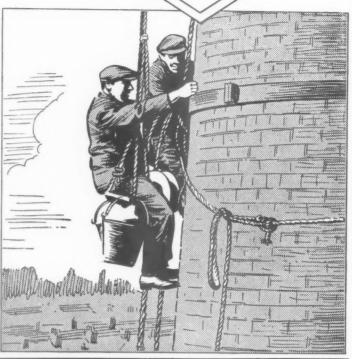
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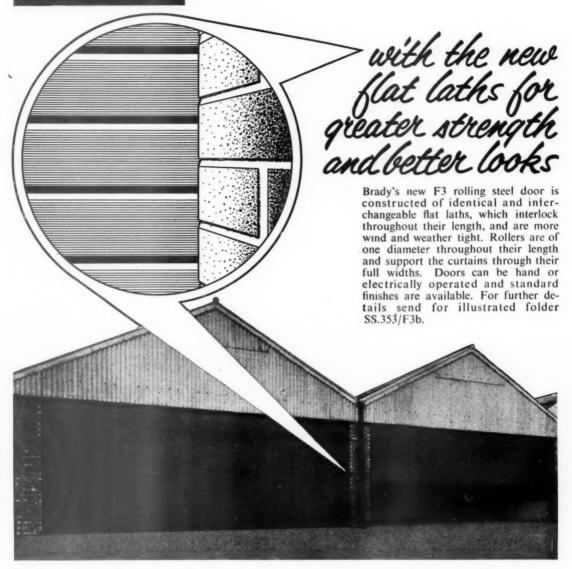
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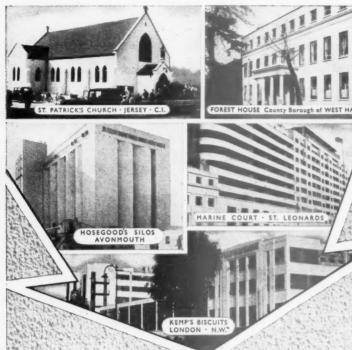
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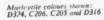
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No. 3090 May 20, 1954 VOL. 119

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HMY Britannia—OUTSIDE AND IN

"Embark at Marlborough Pier, Portsmouth, by 1600," said the Admiralty's invitation card. But gaskets may blow even on Royal occasions, and ASTRA-GAL, who has blown as many gaskets as the next man, blew one more on Friday, and was just in time to see the next man catch the boat he had missed. The navy was apologetic but firm: HMS Truelove would have to de-fuel its gin without any help. So with that unselfish devotion to duty which his readers envy, ASTRAGAL sailed for Spithead on a ten-shilling pleasure trip, smiling bravely as he paid for his drinks, and wondering how the popular Press would make use of the unwelcome fog. (" THE MIST COULD NOT

HIDE THE BRIGHT GLOW IN BRITISH HEARTS . . ." "FOG IN MAY-BUT IT MEANS HOME.") But ASTRAGAL was soon jerked away from his cynical game of guessing-the-headlines. He realized, as the elegant Britannia rose from the haze, that the cliché is sometimes inevitable and forgivable. A reporter's soul would be dead if he did not want to drool excitedly about the dramatic appearance of Her Majesty's yacht from behind a grey curtain, her flags held triumphantly at a height which would have seemed absurd if the occasion had been a lesser one. ASTRAGAL, who was very glad at that moment that he did not have to do justice to his impressions in a piece of hastily-written copy, made it generally known that in the matter of the number of "hips" which ought to precede a "hooray"-a matter that is being thrashed out in the correspondence columns of *The Times*—he is prepared to err on the generous side.

One of the "hips" with which ASTRA-GAL rent the Solent air was, of course, intended for the Britannia's builder, John Brown Ltd. Several more were kept in reserve until Sunday, when your correspondent swarmed on board (if you can be said to swarm while crawling crabwise in terror) and then most of them were used. As you may know, the ship's interior architects, McInnes Gardner and Partners, were joined by Sir Hugh Casson, as consultant-and by a team of designers whose names-familiar to students at the Royal College of Art-are still on the secret list. One member of this team was responsible for the most distinctive feature of the dining room-the "sparkler" light fittings, and two others were the designers of the attractive electric fire in the drawing room. it was Sir Hugh's nameless assistant who provided one of the most interesting pieces of furniture on board —the demountable dining-room table, whose legs are strengthened with handsome brass cross-bracing. (This is, of course, the sort of thing one looks for on a ship: pleasing design which owes something to its environment.) Although the other furniture in the dining-room—like most of the pieces in the drawing-room-is from the old Victoria and Albert, there are several original items in the Royal rooms. But it would seem that their designer had more of a free hand in the guests' cabins, which are pleasantly varied in their contemporary colour schemes and furnishing.

It is, of course, more to the credit of the builder than of the architects that the Royal rooms have a ship-like atmosphere. But the architects' restraint (in the general colour scheme particularly white paint, mahogany, brass metalwork and light grey carpeting) has retained that atmosphere where it could easily have been destroyed. Is this restraint the result of close collaboration? ASTRAGAL, with half an eye on the fluted columns in the undistinguished diningroom, suspects that one architect exercised more restraint than the other, and comes to the conclusion that, although the ship's decor is much better than it might have been, it is not nearly as pleasing as it could have been. It is said that many minor corrections are yet to be made. May the more restrained elbow have the greater power!

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HMY Britannia Above: left, the drawing room; right the dining room. Extreme left, the Duke of Edinburgh's private sitting room. Left, the Queen's private sitting room. See ASTRAGAL'S comment on page 595.

PROPORTIONAL REPRESENTATION

An RIBA committee is to be set up to "examine fully the present constitution of the RIBA Council with respect to the representation of various classes of membership and various forms of occupation and also to consider the provisions of the Royal Charters in regard to the qualifications for the Fellowship ..."

ASTRAGAL is no defender of the "tiedhouse" - principle in representation. The best man for the job-whether F, A, or L-is the real test of election, and any reputable A can presumably be trusted to speak up for his F or L colleagues in debate. Nevertheless, the committee should consider the proportion of Associates to Fellows on the Council (Council: 18 Fellows, 9 Associates; total membership: 2,046 Fellows, 10,641 Associates). How the proportion should be altered is hard to say. If one knew that all Fellows were the crème de la crème of the profession, and not-to an unknown extent-just Licentiates with face lifts, one would not mind the present proportions; after all, experience should count for something. There is possibly an arguable case for ensuring that assistants are represented on Council, now that they will remain as the permanent majority of the profession (does the RIBA realize what a mockery that makes of "professional status "?) and as associates they could be the reason for making the proportions of F's and A's equal.

There is often also criticism expressed of the high proportion of allied society representatives on the Council (elected by membership, 30; elected by Allied Societies, 24). It is said that these are diehards who halt the Council's progressive ideas. They could be seen as the locally-elected chaps who help the provincial architects to keep up with the RIBA-not, surely, a bad thing.

Finally, there seems to be an increasing number of licentiates entering the profession-mainly from public offices; will this type of membership always be with us?

GETTING DOWN OFF THE FENCE

Several eyebrows were raised at the Journal's questions to candidates for election to the Council. Ideally, of course, members would have open minds and settle all issues on their relative merits. Can one, however, put one's hand on one's heart and say confidently that the Council has always represented all sections of the profession fairly? Of course, we are only human-hence the questions. very nice it is to see how candidates fall into two categories, the -- and the --- well, never mind. policy of trying to help members to vote is no new thing. The JOURNAL started giving biographies in 1935, a course which was followed by the RIBA Journal in 1945. Let's hope that we don't have to wait another ten years before the RIBA Journal gives space for candidates' statements.

ASTRAGAL



Next week architects by the hundred will be pouring into Torquay for the British Architects' Conference on Materials and Techniques. There are, in addition to the papers read, the usual conference tours of nearby towns and countryside, and no doubt most architects will take this opportunity of doing a little extra touring and sight-seeing on their own. To helping them in this, and to acting as a modest appetiser for the official tours, this issue of the JOURNAL is devoted. We have not tried to give a comprehensive guide—for that we advise architects to read Nikolaus Pevsner's South Devon, and W. G. Hoskins's Devon-but merely a picture book containing at least a little of what is the essence of Devon-

and, for a page or two, a whiff of Cornwall too. Architecturally biased, and with an occasional reference to food or drink, such theme as there is to the guide is that of an historical background to one of the conference subjects: materials. To simplify matters we have limited ourselves to a single round tour shown on the plan opposite. Which end you start from we leave to you—if you read your JOURNAL backwards we suggest you begin at Exeter (see page 621). But if you want to go on from here, then come into Devon on the coast road, via Sidmouth. Or, indeed, pick it up from wherever it's convenient to do so. Those many readers who will not be attending the conference need not feel left out. Even if they never visit Devon, they will find in these pages, we suggest, a good many object lessons and examples from the past which the JOURNAL, in its normal task of reporting today's events, has not usually the space to describe, but which were once, at any rate, very big building news indeed. We are indebted to Brian Watson for much of the material.

A SOUTH DEVON GUIDE FOR ARCHITECTS AT THE

TORQUAY CONFERENCE

RIBA CONFERENCE PROGRAMME

Wednesday, May 26 INFORMAL RECEPTION

9.0 p.m. to 11.30 p.m.

An Informal Reception will be held at the Marine Spa, Torquay, at which members will be the guests of the Devon and Cornwall Society of Architects. Light Refreshments. Music. Informal dress.

Thursday, May 27 INAUGURAL MEETING

10.0 a.m. to 12.30 p.m.

The Inaugural Meeting will be held at Torre Abbey. Reception and Address of Welcome to members by the Mayor of Torquay. Address by Howard Robertson, President of the RIBA, followed by paper on "Building Materials and Techniques," by W. A. Allen, Chief Architect to the Building Research Station, and Edward D. Mills.

GARDEN PARTY

3.0 p.m. to 5.30 p.m.

Garden Party at Torre Abbey, by kind invitation of the Mayor and Corporation of Torquay.

CIVIC RECEPTION

8.30 p.m.

Civic Reception and Dance at the Town Hall, Torquay, by kind invitation of the Mayor and Corporation of Torquay. Evening Dress, Decorations, Presidential Badges.

Friday, May 28

10.0 a.m. to 12.30 p.m.

Paper to be read at Torre Abbey on "Building Materials and Techniques," by William Allen, Chief Architect to the Building Research Station, and Edward D. Mills.

HALF-DAY TOURS

Tour No. 1 (2.0 p.m.)

Dartington Hall

Headquarters - Totnes - Dartington Hall -Totnes (tea) - Paignton - Headquarters at

Tour No. 2 (2.15 p.m.) City of Exeter

Headquarters - Newton Abbot - Chudleigh -Exeter (view reconstruction, tea) - Dawlish -Teignmouth - Headquarters at 5.30 p.m.

Tour No. 3 (2.15 p.m.) Powderham Castle and Dawlish

Headquarters - Newton Abbot - Chudleigh -Mamhead - Kenton - Powderham Castle (visit) - Dawlish (tea) - Teignmouth - Shaldon - Maidencombe - Headquarters at 5.30 p.m. Tour No. 4 (2.15 p.m.)

The Dart and Dartmouth

Headquarters - Totnes - Halwell - Kingsbridge - Torcross - Dartmouth (tea) - Totnes - Paignton - Headquarters at 5.30 p.m.

WHOLE-DAY TOURS

Tour No. 5 (10.0 a.m.) City of Plymouth

Headquarters - Newton Abbot - Ashburton -

Dartmeet - Princetown - Velverton - Plymouth (lunch, view reconstruction, civic reception, tea) - Ivybridge - Avonwick -Totnes - Paignton - Headquarters at 5.30 p.m. Tour No. 6 (10.0 a.m.)

Moretonhampstead and Drewsteignton

Headquarters - Newton Abbot - Bovey Tracey - Moretonhampstead (lunch) - Drewsteignton (visit to Castle Drogo) - Chudleigh - Newton Abbot - Headquarters at 5.0 p.m.

Note: Time does not allow tea to be taken on Tour No. 6 and members should arrange to have tea on their return.

CONFERENCE DINNER

7.15 p.m. for 7.45 p.m.

Conference Dinner at the Palace Hotel, Torquay. The guests will be received by the President RIBA and the President, Devon and Cornwall Society of Architects. Dress, Decorations, Presidential Badges.

Saturday, May 29 MORNING VISITS TO PLACES OF INTEREST

Visit No. 1 (10.0 a.m.)

Cockington

Headquarters - Cockington (coffee) - Compton Castle (visit) - Headquarters at 1.0 p.m. Visit No. 2 (10.0 a.m.) Lincombe Drive

Headquarters - Kent's Cavern (visit) - Lincombe Drive - Babbacombe - Headquarters at 12 noon.

Visit Nc. 3 (10.0 a.m.)

Brixham

Headquarters - Paignton - Brixham - Berry Head - Headquarters at 12 noon.

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Director of Planning

It would be hard to overestimate the importance of the county planner's job in Devon. The county's major industry is tourism-they are fortunate enough to possess a land and shorescape which attracts sightseers, holidaymakers and retired people from all over the British Isles and even from overseas. Such an industry is more delicate than most. Amongst those pretty hills and moors the inhabitants must live and work, develop and prosper, yet not develop so crudely as to frighten away the tourist. It is the job of the county planner to watch the rival claims of different industries and to ensure that the county's best interests are not needlessly jeopardized. The man who holds that responsible advisory job to the County Council is Geoffrey Clark, Director of Planning, seen right in his office in an attractive early Georgian building on the outskirts of Exeter. Born in '93, Mr. Clark was taught, and later a teacher, at the A.A. Then followed a time with Mewès and Davis before he became a partner with John Dower of Harding Thompson & Partners—a firm which specialised in rural planning and carried out CPRE surveys in the south-west. After becoming a resident partner of the firm in Wareham, Dorset (where he still has an office), doing mainly country houses and local authority housing, he was called in to advise the County Council on their planning during 'a6 to '48. He became Director of Planning to Devon in '48 when the new planning Act came into force. A man of taste and a good conversationalist, he has the breadth of vision and historical knowledge one expects, but does not always find, in holders of such important posts.
We know that Geoffrey Clark is aware of the enormity of his responsibilities as Director of Planning, but we also have an uneasy feeling that he has been appointed too late for his task. Too much of Devon is already spoilt, and the discerning are going elsewhere. The entries to the major towns, Exeter, Torquay, Plymouth, and most of the minor ones, have been ruined by badly-sited and badlydesigned housing; and many villages are blatantly cashing in on their charms-and thereby losing the grace they had. We will watch with interest to see if a Director of Planning can civilize a county.

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No simpler way exists of seeing the fascinating development of the sea-side town than by taking the coast road into Devon-the A.35 and then the secondary roads which follow the coast-line and the Exe estuary, down to Torquay, the conference centre. Devon's most important industry today is the holiday industry, and it was at the coastal towns that the fashion started, the five most concerned being Sidmouth, Exmouth, Dawlish, Teignmouth and Torquay. Today there is a sixth, Paignton, of rather different character. In the mid-eighteenth century Exmouth became known as a watering place and the others were all popular by the end of the century. At this time society, restricted no doubt in travel abroad by the Napoleonic wars, came to Devon for the mild climate, rural delights and marine prospects. Some stayed on and, following the publication of Lugar's Sketches of Cottage Architecture in 1805, neat mansions, often far from mere cottages in the cottage ornée style, of rustic barge boards, gables, Gothic-arched windows, and patterned geometrical sashing were laid out, surrounded by lawns planted with cedars and exotic trees, and pebble-faced garden walls. Of such a type is the Woodlands Hotel, Sidmouth, a detail of which is shown above. It was built as a Marine Villa by Lord Gwyder (1815), and originally thatched, but is now elaborately fish-scale slated. Soon, Royalty settled in Sidmouth, when the infant Princess Victoria stayed at what is now the Royal Glen Hotel, top right, with her parents. in 1819. Parts of the facade have been tampered with, but the building shows charmingly the Gothic geometrical sashing, castellations and the curved hooded verandah with sea views. The typical rustic style is seen in Pauntley Cottage, second from top, an octagonal thatched Gothic lodge with eaves supported on verandah posts, and there is a chinoiserie dovecot, left, at Salcombe House, in Sid Road.

Refreshment: Sidmouth (pop. 9,000) has no less than four 4-star hotels. Good dinner, with excellent band, at uglyish Victoria Hotel. For exotic atmosphere, try the Knowle Hotel, once Mr. Fish's Marine Villa. Full of retired colonels and invalids. The Bowd Inn is a thatched freehouse, tarted up with diagonal glazing and draught Worthington. A good diversion for drinking on leaving Sidmouth is a call at Half Way House Inn on A. 35 trunk road at Aylesbeare; oak beams, navigation lights and pewter; noggin and natter H.Q. of west regional Bentley Drivers' Club. Harvey's compleat stock, but no cider—landlord considers e'der microbes affect beer in barrels. For gourmets: Three Horseshoes, Branscombe (before you reach Sidmouth).

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Exmouth

If possible go on to Lady Nelson's-Lady Byron's Exmouth, for good coast scenery on route, large Edwardian church by Fellowes Prynne (slightly like Oxford College Chapel, with panelling) and, at Imperial Hotel, Greek revival temple, now bungalow, with Doric prostyle front (third from top, opposite page above). The fourth photo is of A La Ronde, one of two cottage ornees (1798) built by the Misses Parminter. It has a sea-shell-lined hall, sand and seaweed pictures and birds feather decorations. The other building—a chapel with four almshouses for spinsters—has inscription over door: "some point of view we all pursue."

Topsham

On the A. 377 to Countess Wear, there are fine river views of the Exe where Girtin painted his famous rainbow water colour (in Exeter Museum). Don't miss the Strand at Topsham with seventeenth century gabled Dutch merchant's houses, built of Dutch brick, brought as ballast from Holland, from the time when Topsham exported Exeter's finished serges and did thriving trade clothing R.C. communities in Low Countries. Incidentally, stone from which Exeter Cathedral was built was landed at Topsham, after sea journey from Beer.

Powderham

While crossing Exe at Countess Wear, near Exeter, note the canal to Exeter, the first to use the pound-lock (1564). On the road to Torquay, via Teignmouth you will pass the Earl of Devon's Powderham Estate, marked by thatched and whitewashed lodges (left, below) and pleasant inn advertising Flower's Ale—excellent, as is the landlord and fairly unspoilt interior. Powderham Castle, a hodge-podge of additions culminating in Wyatt's music room (below centre) has a magnificent renaissance bookcase and plaster work.

Starcross

When Isambard Brunel was appointed in charge of the G.W.R. in 1835, he conceived a line of communication connecting London with New York via Plymouth and his notorious ship "The Great Eastern." Like the Dublin-Kingstown railway, the line from Exter to Newton Abbot was designed on the "atmospheric" principle. The remains of Italianate campanile towers disguising the chimneys of various pumping stations are still to be seen at Exeter St. Davids, Starcross (below right) and Dawlish, designed by Brunel in the pleasing engineer's style of the time. The "atmospheric" railway begun in 1844 was worked on the shop cashier's pneumatic principle by means of a vacuum tube through which was drawn, by atmospheric pressure, a cylinder. A slot in the tube, sealed by a leather flap, and tallow, permitted a connection to be made to the coaches. This clean and silent railway was, however, technically too difficult to maintain and was shortly abandoned, at a loss to shareholders of £400,000.







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After Dawlish—where Jane Austen's characters were often going to, and where the Brunel railway's occupation of the beach promenade prevents the normal seaside scene (and gives the railway traveller one of the most exhilarating runs in England)—comes Teignmouth. Its Assembly rooms are now a cinema; it has in parts an atmosphere of slightly faded elegance—typified by the riverside verandah, right.

The detail of this verandah is particularly interesting as the trellis is not of iron, but of wood, with an ornament of calligraphic motifs, not commonly encountered. It has a decaying colonial air, reminiscent more of Carolina and the West Indies than of a lively little west-country port.



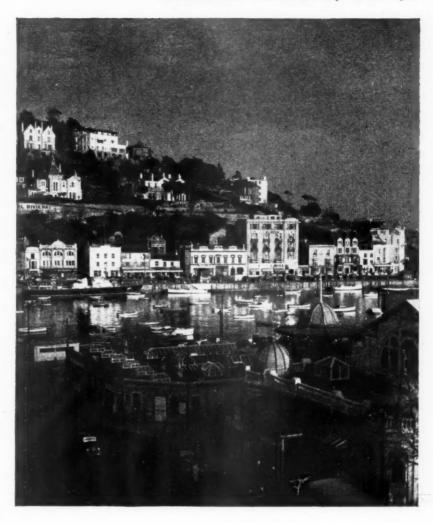


Teignmouth

Devon is perhaps England's most sea-influenced county. Its coastlines, with Cornwall's, are longer than any other county's, and one is never far from rivers, estuaries (as right, at Teignmouth), cliffs and boats. There is the Navy at Devonport and Dartmouth, a remnant of a fishing fleet at Brixham, and Exmouth, Starcross, Teignmouth and Torquay all have flourishing yacht clubs. At Teignmouth is one of the country's leading yacht designers—Morgan Giles. His long established firm has designed yachts for many notable yachtsmen, including the late King of Spain. At this time of the year the Giles yard, above, is not only busily fitting out yachts, but building craft for the Royal Navy on contract. He is one of the last boat builders in south Devon, the Teignmouth estuary being the site for a shipyard from the seventeenth century and probably earlier.

Across the river, reached by a former toll bridge, is waterside Shaldon: an attractive group of early nineteenth-century marine villas. St. Peter's is a church of the 1890's by E. Sedding, worth seeing.



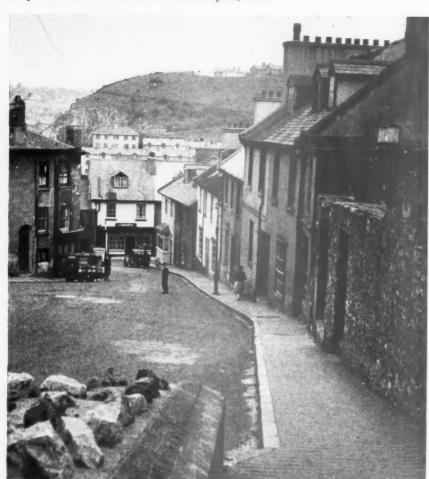




This is yet another town which owes its growth to a mild winter climate, fashion and the Napoleonic wars. The fleet used to anchor in sheltered Torbay, before Plymouth Sound was protected by a breakwater, and the officers brought their wives and families to stay in the little village which lay snug between hills on the north side of this east-facing bay. By the mid-century the pretty countryside and the gentle winters had filled the town with wealthy Victorian middle-class families—with the result shown above—large villas (now hotels) perched on the steep sides of Torquay's tree-topped seven hills—late Regency and Italianate terraces (page 605) and a potentially congested centre. Torquay today faces an awkward problem with the disappearance of wealthy families. It is quite a large town (50,000 pop.) unbalanced by seasonal employment. For the summer months its limited beaches and narrow shopping streets are packed with holiday makers. But in the winter there are not now enough leisured and retired people to keep the hotels ticking over. The Torquay Council is still trying to decide whether to go all out for seasonal mass popularity—the Blackpool of the South-or the all-the-year round family holiday centre, with an emphasis on retired people and











winter retreats. The first fruits of the former policy is an amusement arcade opposite the town's theatre and main sea front (bottom, page 603). There is no doubt that the quickest way of killing off long-term holiday making and residential living is encouraging the day tripper. So, beach vendors and owners of cafés, holiday camps, charabancs and garages, struggle for one kind of preferential treatment, while owners of hotels, houses and flats fight for another. In Sidmouth the latter have won-in Paignton the battle is going with the former-in Torquay the combat has barely begun, but the supporters of comparative wealth appear to be on the retreat. A feature which typifies this type of warfare appears in the photograph on page 603 showing the inner harbour. It is proposed to turn half this harbour into a twolevel car park, thus relieving the heavily congested streets nearby of parked cars. Such a policy, if carried out, would benefit the summer visitor and day tripper more than the residents, and Torquay would partly lose (as have Bristol and Hull) a most attractive feature.

The oldest part of Torquay stretches up the hillside (top, left) from Union Street, the main street of the town. Architecturally undistinguished, the stepped stuccoed terraces gain from the fact that so much of Torquay consists of detached or semi-detached houses. The view from Tor Hill, left, is typical of the rest of the slated Italianate town. The steep hillsides on which Torquay is built break up the housing and keep gardens small, but oddly enough, the hill tops are usually unbuilt on, Tor Hill itself boasting only a ruined house, a very large garden going wild and the little temple shown above. The stuccoed temple shown above. The stuccoed houses are usually brightly painted as at St. Efride's Road (top left, opposite page) partly through tradition, perhaps, and partly because the owners are trying to prove that the Riviera has nothing on Torquay-hence the windshattered yuccas and palms, and the liberal use of white, yellows, blues, greens and browns on walls, pilasters and door and window surrounds. Hesketh Crescent (1846) above right opposite page, designed by the brother Harvey is the cream of Victorian development, though two or three other more homely terraces remain. Torquay, due to liberal planting and

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careful road layouts has managed to achieve an expensive opulent air which is only now beginning to wear slightly thin.

Refreshments: For visitors there are plenty of good hotels, with the Imperial (excellent food in modern room with superb bay view) and the Palace (at Babbacombe, with fine grounds and beach) at the top. For the Conference, the Victoria is the most conveniently situated. One restaurant, the Regency, in Union Street (architect: Dawes Dingle), stands alone for food and decor.

Brick and Marble in Torquay

Devon buildings are traditionally of cob, or if of stone, largely from little local quarries specially worked for the



occasion and then abandoned. The Beer stone only has a more than local reputation, but south Devon is covered with limestone buildings. Some of the limestones take a polish, and are ranked as marbles-the most famous, perhaps, being Ashburton, of which the columns in the RIBA building are faced. Local and true Italian marbles were used extensively by Victorian architects in restoring and building the local churches. The rich—indeed vulgar—result is typified, right, by this detail of Butterfield's All Saints church at Babbacombe. It is pleasantly fussy with polychrome local marble pillars, diapering and decoration like a German child's picture book: Gothic Revival in extremis in which the money was exhausted before the architect's invention. (Other Victorian churches in Torquay: Blomfield's St. Luke and Street's St. John, with Burne-Jones windows.) Building stones may be local and good, but inevitably they have given way to brick, and visitors by car to Torquay will probably pass the Western Counties Brick Company's Old Woods works, above, one of over a dozen brickworks in Devon and Cornwall whose products are slowly changing the visual character of the western counties.





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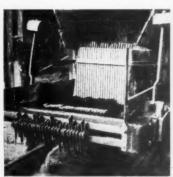
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Jenkins's Marble

Well worth a visit and not to be found in Torquay guide books, though a familiar name to architects, is Jenkins's marble works in Lymington Road (call at head office, Castle Circus House, first). Fred Peek (30 years a mason and his father working for the firm before him) will show you round the partly open, partly covered-in works. Top right is a detail of the multi-bladed saws which cut the 10-ft. blocks of marble. Sand and water, above left, poured into the grooves actually cut and cool the stone. The thin when required they are polished, above right. The works also do a certain amount of copy-carving, and a gallery, top left, near the setting-our room, is full of dusty plaster casts, now little used as the demand has largely gone. E. Gurney, director, is well worth meeting, if only to have it explained to one how much more economic marble is, in the long run, than any other interior lining material. Mr. Gurney also has ideas on building in stone, and forsees a future for this out-dated material if the stone industry could be fully mechanised. One of his proposals—for stone areas only, of course is for completely mobile stone-working machinery, which can be driven to the nearest quarry to the building site and used to cut and dress the stones at the quarry face and thus save handling and transport costs. It is certain that only by such, or similar, drastic proposals lies any future for the stone industry.





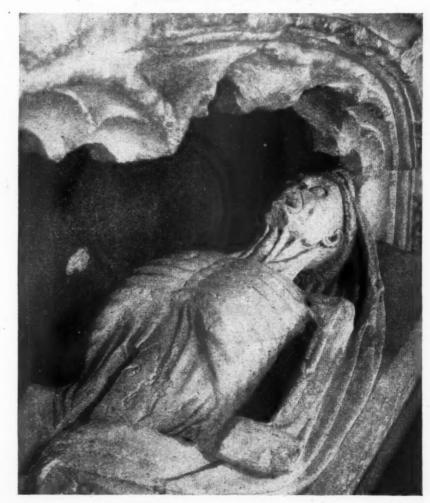
Cockington

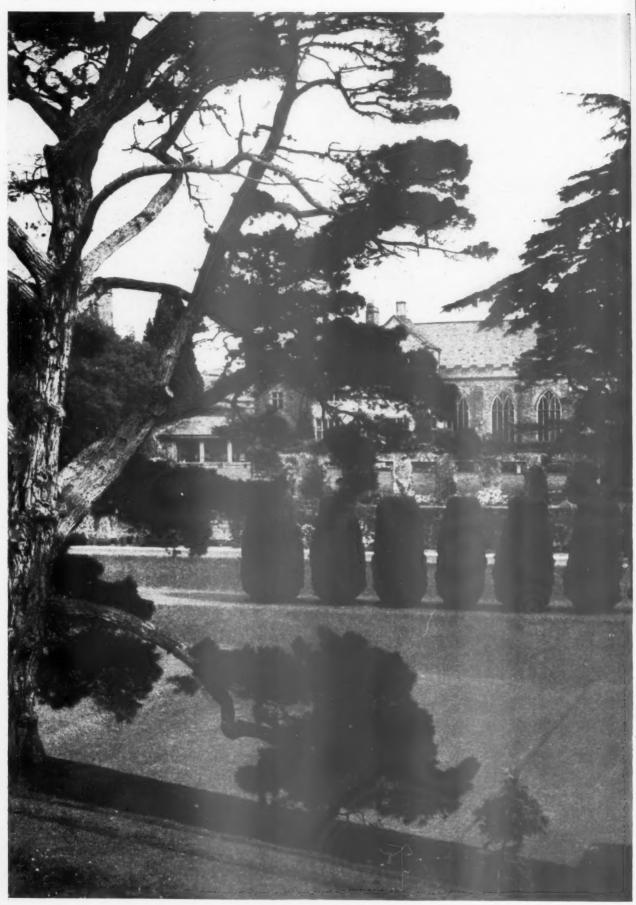
Trippers' Devon, baritones' De-ev-ev-evon, mottoes-in-dialect-Devon, do'ee 'ave a cup-o'-tay round-the-cups-and-saucers Devon is a fearful place. Everyone staying at Torquay at some time visits Cockington, the village next door. Go yourself, and see Lutyen's thatched Drum Inn and good-on-plan but over-bricked garden and the early Renaissance details of the church pulpit, but keep your eyes closed against the visual gaffes of the signs in the village street. The Torquay visitor's other favourite is Kent's cavern—a fivechambered cave where were found the remains of palaeolithic man and where are still to be seen the bones of extinct animals. Quite impressive, but getting a little too carefully cared for. The guide is worth listening to: "the Irish elk, boys and girls, something like the reindeer which draw Daddy Christmas's sleigh

Paignton

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Exposed to cold east winds this town is dead for half the year. The chief interest of the large sandstone church is the Kirkham Chantry, an inspiring piece of stone sculpture, despite defacement by the Puritans, and the cadaver, right, possibly of an Irish bishop. The town has trebled in size in the last fifty years so is architecturally disastrous. Not least of its disasters is Oldway, an Ionic and Corinthian columned mansion erected in 1874, by sewing-machine Singer at a cost of £,100,000. Its grounds are quite fine and the progressive Paignton Council bought the whole property for £45,000 in 1945. With vast marble hall, 115 rooms and most costly panelling, poor Paris Singer had to sit huddled round an old tortoise stove in the middle of his study to keep warm.













Dartington Hall

Driving from Torquay to Plymouth, do not only be beguiled by the obvious beauties of Totnes. Ensure that there is time (and fix an appointment in advance with the PRO, R. L. Johnson) to visit Dartington Hall. This place is, of course, a gift to would-be humorists and a delight to architects. Co-education is always good for a laugh and so, of course, are the arts, Henry Moore sculpture, ballet, drama, summer schools and idealism. These are all part and parcel of the spirit behind Dartington, together with a host of rural industries. For architects, with a more limited range of material on which to work, there is nevertheless an interesting diversity of building within a few square miles. A diversity not only of types-farms, mills, shops, offices (third from top) and housing (second from top) but also of styles. Top, left, is the senior school, designed by O. P. Milne in a neo-Georgian manner, and bottom, a schoolmaster's house by Lascaze, of New York, in a style, like the office block above it (also by Lascaze), uncompromisingly modern and erected only a few years later. By contrast, on the opposite page, is the restored fourteenth century hall, seen beyond what was once the tilt-yard, and is now a yew-backed open-air theatre. This hall, which forms the west end of a large quadrangle, is about 80 ft. by 40 ft. and, despite the new hammer beam roof, is described by Pevsner as being amongst the finest of its date in England.

The people behind Dartington are, of course, the Elmhirsts. Leonard Elmhirst is a Yorkshireman, educated at Cambridge, who has studied agriculture in America and formed an agricultural has studied agriculture in America and Johnson in agricultural department in India. Dorothy Elmhirst, his wife, who inherited a large fortune, is an American by birth. They bought the Dartington estate of about 800 acres in 1925. Their aim was to achieve the rehabilitation of the English countryside in the widest sense. And in the term rehabilitation they included culture as well as economics. As a result they developed the existing dairy, pig and arable farms and woodlands, and started several other enterprises, of which the following are now in existence: a market gardens department, a saw mill, a textile mill, an estate shop and There are also several associated companies, which include building, electricity and a cattle breeding centre. In addition, they started a co-educational school, with junior, middle and senior sections, for children from three years to eighteen, an adult education centre, two research departments, and an arts department (mainly for music and drama).

The organization today is slightly complicated. Dartington Hall is a trust administered by six trustees. In their own words: "In order to carry out the purposes of the trust in education and research a number of endowed departments were set up, and the commercial enterprises formed into two companies, Dartington Hall Limited and Dartington Woodlands Limited. All the shares are held by the trustees, and while these companies derived their capital from the trustees, they receive no annual endowment from the trust. The area of land owned by the trustees is approximately 3,000 acres and over 400 people are employed by the companies and other departments." The endowed departments are the school. are The endowed departments are the school, arts department, adult education centre, economics research office. woodlands research office, the estate department and the grounds and gardens department. Dartington Hall Limited consists of the three farms, the sawmill, the textile mill and the retail shop (well worth being tempted by, it is on the Buckfastleigh-Totnes road). It can be seen from this that the whole matter is very businesslike. If you are coming, looking for dreamy impracticabilities carried out in home-spun and sandels by half the characters of Cold Comfort Farm you will be very disappointed. The atmosphere is more one of carefully planned industrial and cultural progress put into practice over a very wide field by extremely clever people. For visiting architects there is, after the more historic buildings, the opportunity for an interesting and enlightening study of the development of modern architecture in the 'thirties, and in the farm buildings can be seen some of the latest theories in designing for dairy farming.

Dartington would appear to be unique. It deserves the closest study because of its endeavours to achieve a sound rural economy and richer rural life. Inevitably it has been criticized—particularly at the start—by people outside who disliked the progressive left-wing ideas, and troubled by the odd rogue and fanatic from within ready to abuse privilege. But to architects striving to produce ideal buildings for an ideal way of life a visit to Dartington is an oddly humbling and inspiring occasion, strive though one may to preserve one's cynicism.













Devonport

Visitors to Plymouth, having studied the rebuilding, should not forget to pay a visit to neighbouring neglected Devonport and Stonehouse. The whole character is intensely naval—even the housing. Durnford Street (1775) extreme left, once a fashionable residential area for the families of naval officers and with a view over the Hamoaze, is described by Professor Richardson as "like the stern quarters of three-deckers and frigates." In the of three-deckers and frigates." In t Royal Naval Dockyard, founded by William III, is the admiral Super-intendent's house, South Dockyard, top left, all that is left of a group of eighteenth century senior officers' residences, and the Temple of Minerva on Bunkers Hill, shown below it, on which is written: below it, on which is written: " This building was erected in the year 1822 to perpetuate the recollection of the visit of His Majesty King George the Third of blessed and glorious memory, and of His Majesty's admiration of the rock on which it stands, and the scene." It is now a summerhouse. Also impressive, Vanbrugh's Gun Wharf and two 1,200-ft. three-storey Roperies. The most imposing building in Stonehouse is the Royal William Victualling Yard (1826-35) by Sir John Rennie, centre left, with appropriate carvings in hard-to-work granite, as below.



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WORKING DETAIL

STAIRCASE: HOUSE AT HIGH BEECH, ESSEX

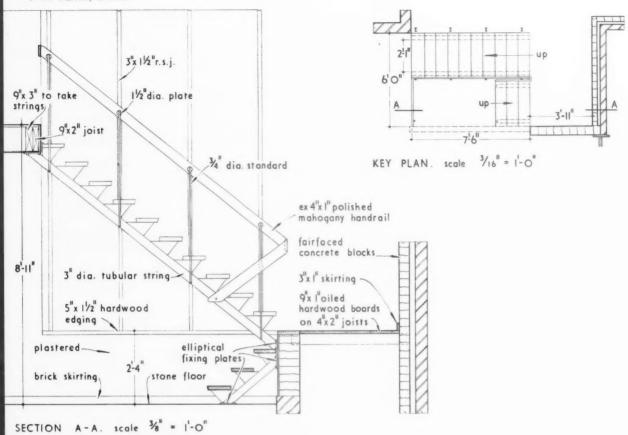
John Barton, architect

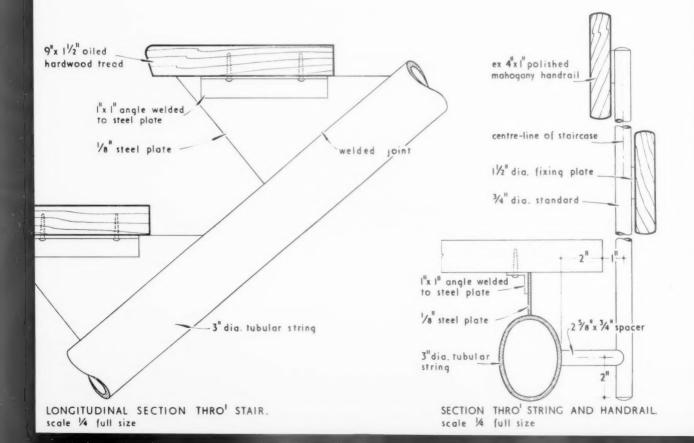


The tubular strings, the straps to support the treads and the standards supporting the handrail were shop-welded and the measuring for the handrail was carried out after the stair was fixed in position. The spacers on the opposite side of the main flight from the handrail are bolted to the rolled steel sections and the upper ends of the main strings are secured by coachbolts to the underside of a filler joist.

STAIRCASE: HOUSE AT HIGH BEECH, ESSEX

John Barton, architect





GABLE WALL: CHURCH HALL AT STEVENAGE NEW TOWN

C. Holliday, formerly chief architect, Stevenage Development Corporation; L. G. Vincent, deputy chief architect: D. Stirling, Craig and J. H. R. Stevenson. architects-in-charge

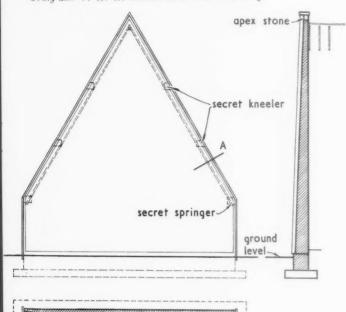


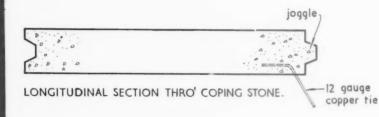
The flints have an average width of 2 in. to 3 in. and length of 4 in. to 6 in. and were laid in courses as the brickwork proceeded. The internal face of the brick wall is English bond, the external face header bond. The use of the large number of bats required by the splay and the batter served to give a more efficient key to the mortar.

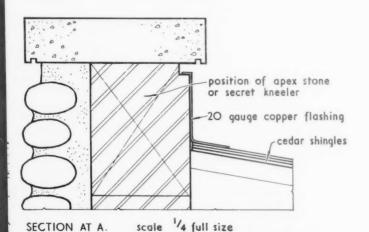
WORKING DETAIL

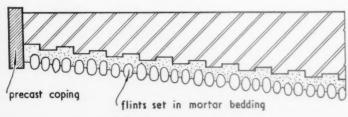
GABLE WALL: CHURCH HALL AT STEVENAGE NEW TOWN

C. Holliday, formerly chief architect, Stevenage Development Corporation; L. G. Vincent, deputy chief architect: D. Stirling, Craig and J. H. R. Stevenson, architects-in-charge

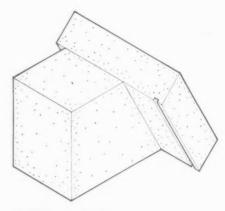




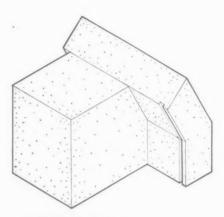




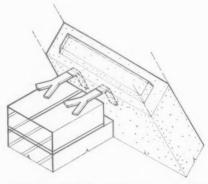
PLAN. scale 11/2" = 1-0"



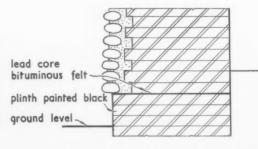
SECRET KNEELER.



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COPING STONE SHOWING JOGGLE TIES. scale I"= I'-O"



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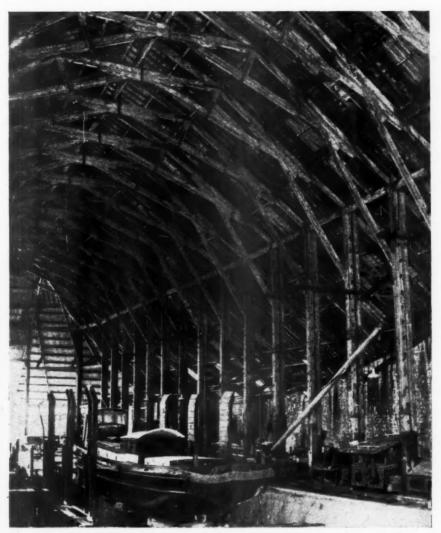
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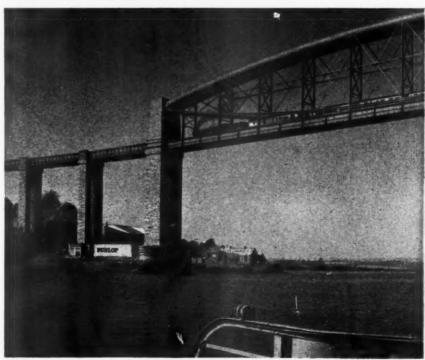
The establishment of Devonport as a town in its own right was marked by the erection of a Greek Doric column (1824) by Foulston, picturesquely placed in Ker Street beside his Town Hall and Egyptian Library (now Oddfellows Hall), bottom left, opposite page. As would be expected, there are an impressive number of robustly carved figureheads in the area, as that of the 120-gun Royal William, built in 1833 (opposite page, top) and that of Minerva, below, over a coral grotto at the foot of Bunkers Hill. Not to be missed in Devonport: the superb early 18th-century timber-work (right) in the form of gambrel scissor-truss roofs over the shipbuilding slips in the South Dockyard.



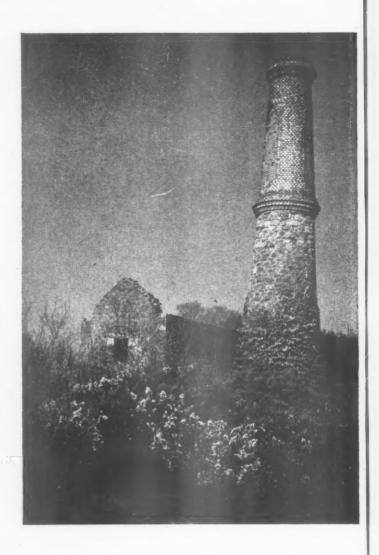
Saltash

We suggest visitors should take the opportunity of visiting Cornwall, having got as far as Plymouth-the Saltash ferry over the Tamar enables one to see Brunel's superb Royal Albert Bridge (1859), a combination of suspension and arch construction. After assembly on the bank, the two iron trusses, 455 ft. long and 56 ft. high, were swung into position across the Tamar on to their granite shafts. Refreshment: The Plymouth area is not famous for food. Try Tony's Imperial Restaurant (Greek) in Union Street for good inexpensive ravioli. Or go to The George, Plympton, where there is good food and wine at reasonably luxurious prices. (Menu cards suggest you call the waiter by his Christian name.)







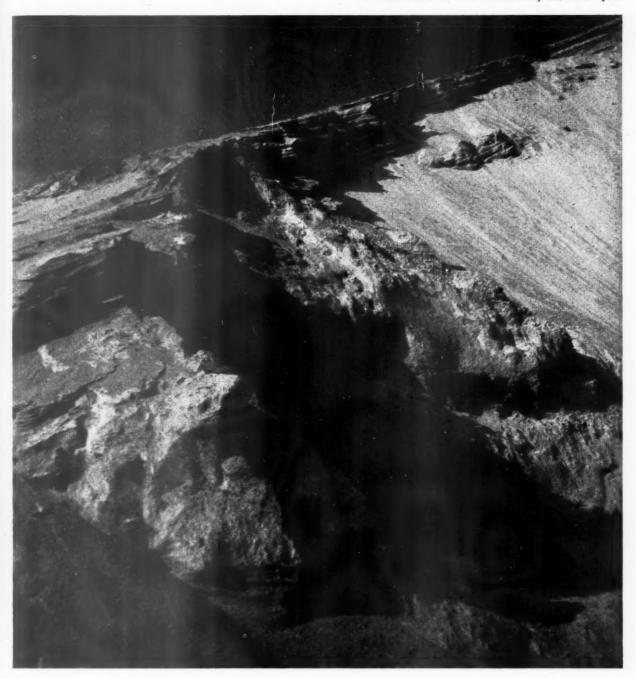


Cornwall

Having got to Plymouth one should not miss the opportunity of having a look over the Tamar at Cornwall, Devon's poorer, rougher neighbour. Architecturally less spoilt, inland Cornwall has developed its own peculiar landscape. To pick on a significant detail the massive boulders of the walls and banks of Dartmoor give way to walls of finer texture, the small laminated stones being laid vertically and horizontally as in the example on the left. Tin has been exploited in Cornwall since the Bronze Age, and for a time in the eighteenth and nineteenth centuries copper became important. Now copper mining has ended and tin mining has declined. The photograph above shows the decaying chimney and engine house of the Liza Mine near St. Blazey. These gaunt derelictions are characteristic of the mining parts of Cornwall and also of the region of Callington, on the borders of Devon.

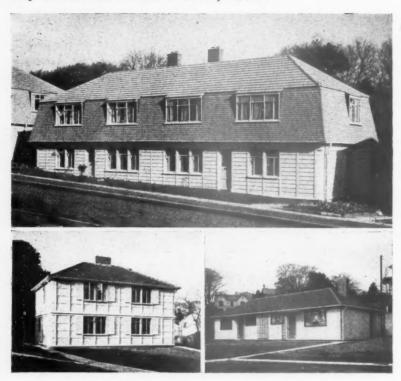
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In Cornwall, however, china clay has taken the place of tin, with its vast pits and "tips" above and right. The huge clay pits and the white mountains of waste behind St. Austell and on Bodmin Moor (as well as north of Ivybridge in Devon) form one of the strangest, bosomy landscapes in Britain. The clay goes all over the world, to British factories for making pottery, paper, rubber, textiles, paints, linoleum, chemicals, stomach powders, face powders, lipstick . . . need we go on?







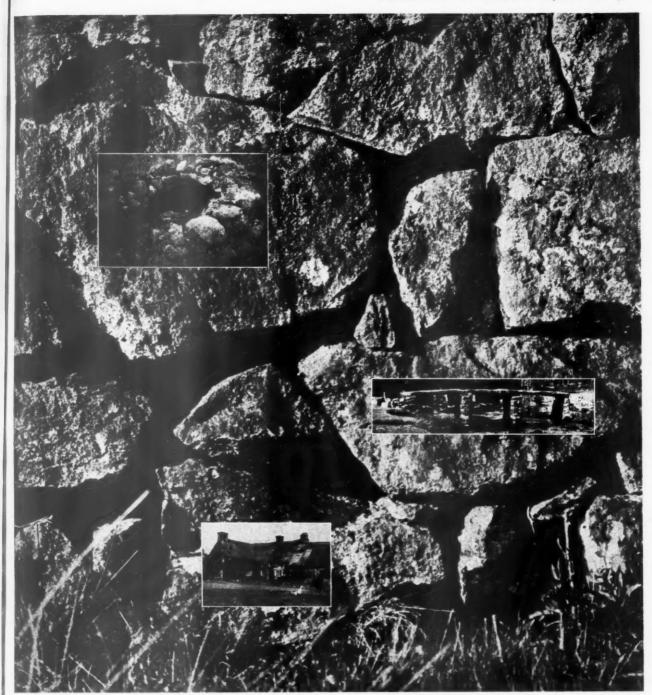
St. Austell

No reference to Cornwall, however brief, should omit reference to Cornwall's major contribution to post-war building—the Cornish Unit house, produced by Selleck Nicholls & Co., at St. Austell. This non-traditional house has been used all over the west country and even as far afield as Yorkshire and Lancashire. Over 18,000 dwellings have been completed and a further 5,200 are under construction. The approximate price of a three-bedroom house, erected in pairs, is £1,000 each, exclusive of foundations, paths, drains and fences. The columns and blocks are made of cement with silica quartz used as a fine aggregate, giving a white finish with slight sparkle. The system of construction, based on a 3 ft. 4 in. module, (see base stones, above, extreme right) has been developed so that 3-storey flats as well as terraces (see top illustration), bungalows (above right), classrooms, ward blocks and farm buildings can be built. A Mark IV type of house, the latest development, is shown above left. The manufacturers do not sell the components separately, but produce the erection drawings to the architect's requirements and quote for the supply and erection of the whole building or, as specialist sub-contractors, for the supply and erection of the units only. This system of construction meets with some criticism from the local architect's requirements and quote for the supply and erection of the units only. This system of construction meets with some criticism from the local architect's neargument used is that its universality tends to prevent any form of regionalism in design. It can also be criticised because the "off the peg" houses may, in time, damage the architect's livelihood. A rather more serious point, perhaps, is the system's present lack of flexibility in design—it still tends to be a system which produces standard types of building, and not a method of construction capable of enormous variation, which is the ideal at which all prefabricators are aiming. It will be interesting to see how soon this enterprising firm



Tavistock

To avoid the delay of the Saltash or Torpoint ferries we suggest entering Devon from Cornwall via Tavistock. Here is a most satisfactory example of precision in the use of slate hanging (left). The house was built in 1802, and shows the dignified effect which can be obtained with simple lines. From 1780 onwards, slate hanging became the most characteristic use of materials in regional architecture which remains today. The vertically hung slate was used to weatherproof and repair houses which were formerly timbered in the sixteenth and seventeenth centuries. It produces an extremely rich texture. As one goes west across Devon, and approaches Tavistock, Plymouth and Cornwall, so the increasing use of slate will be encountered. The reason for this is the proximity of the Delabole Quarries in Cornwall, which were extensively used from the end of the eighteenth century.



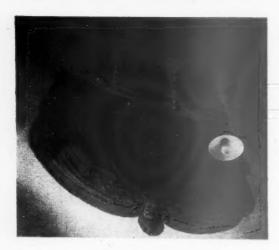
Dartmoor

The earliest forms of architectural evolution in Devon after the troglodytes moved out of Kent's cavern are the beehive huts (room for couples only) on Dartmoor. These hut circles (see inset, top left) may have been roofed with turf, and are attributed to the early Bronze age. From these simple beginnings Dartmoor granite has served a multiple of uses for miles around—churches, farms (bottom), socketed gate posts, bridges and, of course, the ubiquitous boulder wall. Another characteristic of the Dartmoor scene is the clapper bridge, of megalithic trabeated granite form, of which the best known is at Postbridge, above right, on the way to Moretonhampstead. However we do not advise so direct a route. To enjoy gaunt Dartmoor to the full—whether in mist or sunshine—turn right after Two Bridges (an oasis of sorts) and go to Holne for views of the Dart. You will pass the Forest Inn, Hexworthy, on the way, where there is excellent drink in Swedish glassware, good food, and Mr. Henderson the proprietor and his charming Swedish wife are live wires who can tell stories of convict escapes and all the local gossip. Do not bother to go to Princetown to visit the prison—it's not worth seeing—unless you can persuade them to let you inside. Avoid also Widecombe, full of gnomes and nick-nacks. If you really want to study Dartmoor you must, of course, walk. Try following up a stream to its source—which means that you stand a good chance of coming back to where you started from. The East Dart from Post Bridge is as good as any, and the East Dart Hotel is handy.



Ashburton

Ashburton, like Totnes and Dartmouth and other towns, consisted in the sixteenth and seventeenth centuries of timber houses with facades projecting in stages. For economical maintenance the faces were weatherproofed in the eighteenth century with slate hanging, often in charmingly cut slate patterns, as in the Card House at Ashburton, above. This has been grouted as additional weatherproofing in the Cornish manner. Slate thus takes its place, with cob, limestone and granite, as a fine West Country building material, and the last to be displaced by brick. Whilst the main streets of Ashburton present trim slate hung facades of early Georgian elegance, the back parts are now picturesque shambles, right, where the river Yeo flows—the river which "gave motion" to the many mills of earlier times. For Ashburton has been the market for south west, and around Dartmoor of wool, tin, iron, corn.





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as the 1830's Ashburton Mills produced red serge for Indian rajahs' troops. The eighteenth century grammar school in St. Lawrence's Lane has a schoolroom with an interesting pendulous ceiling plasterwork and the Town Arms in plaster on the wall, above, together with the coats of arms of several county families. This single rather crude example must serve to represent a whole tradition of skilled plasterwork in Devon.

Bovey Tracey

This ancient market town, on our circumambulatory route to Exeter, is represented here not by its fine church but by the cosy keyhole doorway, right, built in 1953, which slipped through the planning officer's net, no doubt to appear proudly some day in a brickmaker's catalogue.



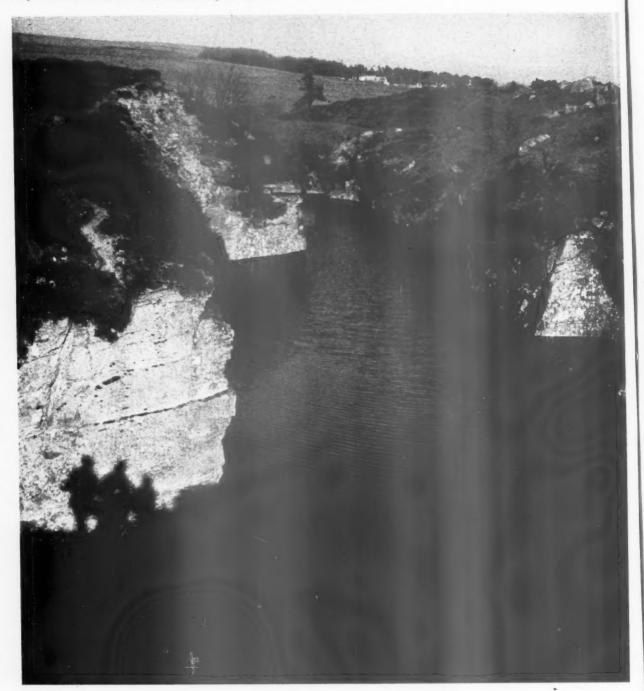


Heytor

In 1820, George Templer, of Stover House (a plain but distinguished eighteenth century mansion near Bovey Tracey, now a girls' school) constructed the Heytor Granite Railway, the earliest railway in Devon. The line was laid along the contour and linked up the Heytor quarry with the Stover canal running into the Teignmouth Estuary.
Granite railway lines
and points, right,
where the wagon
trucks in a train of twelve wagons loaded with granite were pulled by a team of eighteen horses, can still be seen near the quarry, stretching across the moors. There is a granite walled pound where the horses were kept between trips. George Templer was responsible for the elegant Strawberry Hill Gothic Church

at Teigngrace.



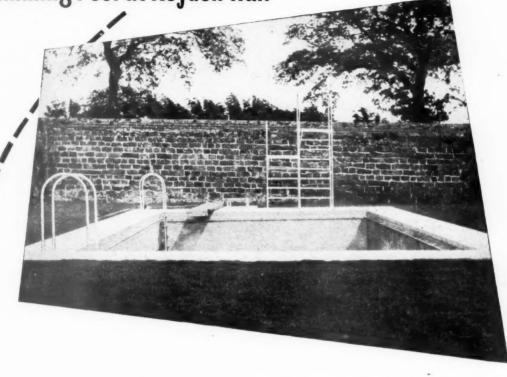


Heytor

Even more derelict than the quarry rails is the water-filled quarry itself. On an island in the middle of the lake stands a wood and iron derrick, surrounded by veined granite cliffs. This once-celebrated quarry supplied the granite sets for London streets and the granite blocks for London Bridge and the Fishmongers' Hall. It was also used for the columns of the Library in the British Museum. Refreshment: after the melancholy of this, recover your cheeriulness at the Rock Inn nearby, an old pub (in the middle of cheeriulness at the Rock Inn nearby, an old pub (in the middle of mining cottages) run by a retired naval commander. It has good sherry and good food.



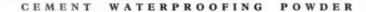




In the lovely grounds at Roydon Hall, Norfolk, a swimming pool has been constructed for John Alley, Esq., J.P. The pool is 34 ft. long and 20 ft. wide, one end being 3 ft. 6 ins. deep increasing in the middle to 8 ft. and decreasing at the other end to 6 ft.

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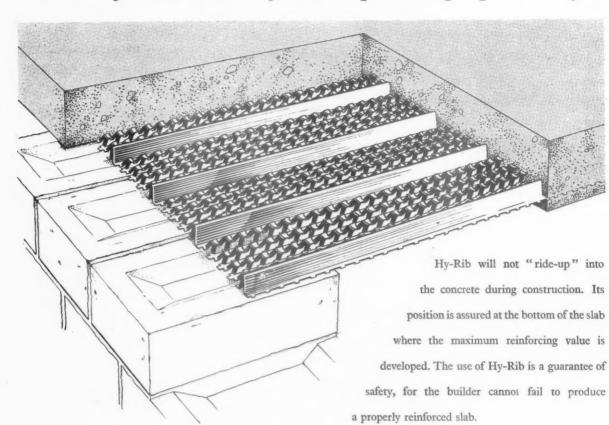
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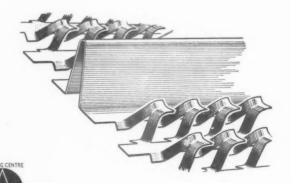
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Lustleigh

This farm at Wray Barton, near Lustleigh, on the road between Bovey Tracey and Moretonhampstead is a rare example of the late ferme ornée style which was probably a product of Loudon's "Encyclopaedia of cottage, farm and villa architecture and furniture." Wray Barton itself is also in Loudon and Papworth's tradition.

Ashtor

Devon, with Wales and East Anglia, are the most renowned areas for Rood screens and church woodwork. The reason for the high development of woodcarving in Devon is due largely to the greater availability of wood than carvable stone. Ashton, an exceedingly attractive hillside village with thatched cottages, has a church which is of considerable importance for its Rood screen, below, restored by the late Herbert Read. The fine painted wainscoats to this Rood screen are of the second half of the fifteenth century. Centre, above, early renaissance stained glass of the sixteenth century in Ashton church. Stained glass is infrequently found in Devon, possibly due to the ravages of the Puritans. The plums are to be found in the fourteenth century east window of Exeter Cathedral, and in the remarkable fifteenth century glass in the parish church of Doddiscombsleigh, near Ashton.

Haldon Tower

Haldon Tower (above right), nearby, is a well-known landmark seen from Exeter, the Exe Valley and East Devon. It was built in 1788, as a triangular Gothic Belvedere with castellated corner turrets. It is now a tea place where you are charged sixpence to step inside the gate, but it is worth seeing the staircase. Similar to one at Powderham.



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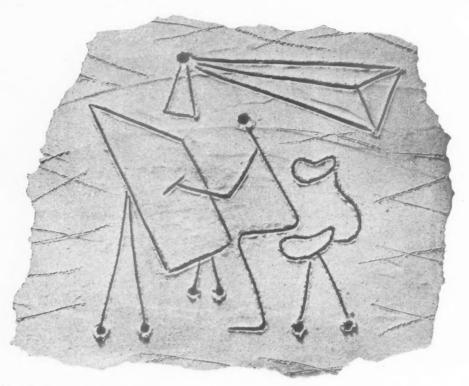
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Manchester Corporation—New Shops and Flats
Paisley Corporation—Chlorination Centres
Stoke County Council—Residences for Aged and Infirm
Liverpool Corporation—Flatted Dwellings
Workington—Grammar School
Halifax House, Strand, London
Reyrolles Factory—New Canteen
Speke, Liverpool—New Police Station
U.S.A.A.F.—New Operations Block, Burtonwood
Guinness Trust Flats—Canteen

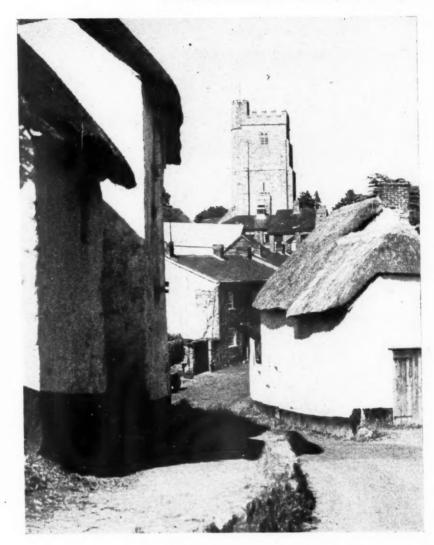
May & Baker, Dagenham—Canteen
British Nylon Spinners, Pontypool—New Administrative Block
Catholic Church—Hayes, Middlesex
Crawfords, London—New Offices
Woolcombers, Bradford—Offices and Private House
Londonderry—Crawford Square Flats
Ransome & Marles—New Factory
Edinburgh—Carricknowe School
Glasgow—Barlanark Primary School
Newcastle—Hill Head Road, Infants' School
Birmingham—Grand Hotel



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Dunsford

A tongue of red sandstone starting from the foothill valleys of Somerset, the Culm Valley, and the Exe Valley, stretching westwards towards Oakhampton, and curling round the coast from Exmouth to Paignton, gives inland a very rich agricultural land. This land produces corn, and particularly barley, which the thatcher converts into a roofing material with his expert combing, and we have, therefore, in these regions an abundance of traditional thatched buildings. At Dunsford, there being no readilyavailable building stone in the vicinity, cob (chopped straw and clay) is used for the walling of cottages, as in many mid-Devon villages. Unfortunately, it is becoming increasingly uneconomical for landowners, such as the Fulfords of Great Fulford nearby, who own this village and have lived here for centuries, to maintain these picturesque villages in thatch and cob. The MOHLG should surely help to preserve such fast-decaying villages by issuing grants to landowners. When stabilised earth roads make news it is interesting to speculate on what might be achieved with cob in rural areas if the building operation was fully mechanized. It is unquestionably a durable material with magnificent insulating properties and is, of course, dirt cheap. If at this point on your tour you are hungry, and have the time, slip off our map on page 599 and visit the Manor House, referred to below, in



Moretonhampstead

These two-storied, thatched, granite almshouses (1637) are now National Trust property. The loggia motif of this vigorous design owes much to Italian influence, like the Guildhall at Totnes and the Lichdon Street almshouses founded in 1627, at Barnstaple. It is possible that the columns are the work of Italian masons, for Devon had much trade in wool with the continent and the Mediterranean, but they are strangely crude and primitive for their date. Refreshments: The Manor House, definitely worth seeing, is a British Railways hotel, where restaurant-car waiters are trained-excellent meals, for a price, and excellent wine cellar. Golf course in the park.



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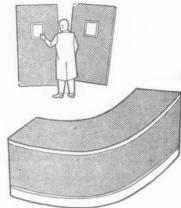
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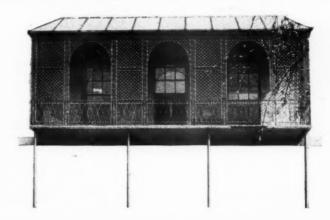


Exeter

Exeter, the last or first town you should visit if you use this guide (see pages 598-9), is a red town, red brick and red sandstoneand once the county's finest city. The cathedral, of which the floodlit Norman tower is shown above, is, contrarily, grey, being of Beer stone (this is where you came in, see p. 601). Not in the guides is Iron Bridge, right, which spans a valley of breweries and old houses between St. David's Hill, North Street and its junction with the High Street. This charming nineteenth century bridge shows the engineer's felicitous use of ornament allied to function, in the spandrels. No doubt traffic requirements have caused its days to be numbered. Earlier ironwork, of which Exeter is full, can be seen in the trellised hooded balcony, below right, at Colleton Crescent. This brick crescent with jalousied windows was built by the speculative builder Nosworthy about 1790 to 1800. It stands on the cliffs overlooking the canal and basin by the Customs House at Exeter and once had a superb view of the estuary-now taken up mainly with gas works and the new industrial site of future Exeter. The wrought ironwork shows the typical Greek fret key pattern ornament, with a delicate railing from the pattern books of the period. It is more than likely that this verandah, like others in Devon, was made at Cheltenham and assembled in Exeter. It is a pity that the repairs to the hood have not been better carried out.

Refreshment: The best food and wines are to be had at the Royal Clarence Hotel—beamed, panelled, almost too period and quaint; a structure now in danger of being cleaned up. For a more than usually large glass of sherry (varied) for 1s. 1od. try the White Hart Hotel (Davies Wine Co.) or go to the Black Horse Hotel, near the theatre, for Bass's bitter and an excellent bin of claret.





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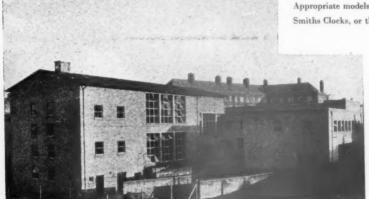
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Polish Exhibition

An exhibition of Polish Architecture is to be shown at the RIBA, 66, Portland Place, W.1, from May 21 to June 4. It will be opened by the Polish Ambassador.

The exhibition was prepared by the Union of Polish Architects in 1952 and has since been brought up-to-date: it consists of photographs and models. After a brief photographs and models. After a brief tour in Poland itself, the exhibition has been seen in Switzerland, Finland and Sweden and is due to visit Holland and Israel after the English tour. The exhibition tells the story of the post-war reconstruction work which has been accomplished in Poland and part of the exhibition is devoted to an hispart of the exhibition is devoted to an instructional section illustrating the restoration work which has been carried out in connection with many famous old buildings destroyed during the war.

One section shows what has been achieved

in Warsaw and other sections deal with education and recreation buildings, public buildings and housing estates.

Health Conference

A conference on the design of health buildings will be held at the RIBA head-quarters, 66, Portland Place, W.1, on Octo-ber 21 and 22. It will be opened by Iain

Constitution of Council to be Examined

The RIBA is to set up a committee to examine the present constitution of the Institute's council, "with respect to the representations of various classes of membership and various forms of occupation, and also to consider the provisions of the Royal Charters in regard to the qualifications for the Fellowship, RIBA, and to make recommendations on these matters."

Two Exhibitions

An exhibition of contemporary architecture, arranged by the Joint Committee on Structural Concrete, will be shown at the RIBA from October 18 to 29.

An exhibition of German post-war architecture will be held at the RIBA from December 8 to 31.

MOW

nd) Ltd.

Atomic Energy Works

A description of what goes on at Windscale Atomic Energy Works, Cumberland,

has been given in "Britain's Atomic Factories" (HMSO, 5s.). Last week a JOURNAL representative who visited the works learned more about the constructional problems and

Two of the major building tasks (he writes) were the piles themselves and the primary separation plant. The pile consists of an immense concrete box 80 ft. high, of an immense concrete box 80 tt. high, housing a stack of graphite blocks in which are placed the uranium "slugs." Concrete ducts connect each side of the pile to "blower" houses, the walls of which are air filters. Air is thus blown through the pile to cool it, discharging to the atmosphere up the 415 ft. high "chimneys" through filters at the top. The sheer bulk of the construction is utterly beyond the through filters at the top. The sheer bulk of the construction is utterly beyond the scale of any ordinary building, the load at the base of the pile being 57,000 tons on an area 200 ft. by 100 ft. The asbestos-clad control building covers one end of the pile casing and is constructed of 86 ft. span, 140 ft. high, steel portal frames.

Site organization must have been formidable. At one time there were two passenger lifts and two hoists inside the "chimney" and four hoists outside; work was floodlit

and went on all night.

From the pile, irradiated "slugs" are converted into a "liquor" and taken to the top of the primary separation plant. This consists of a concrete "core" 100 ft. by 60 ft. on plan rising up in the centre of a steel framed building 110 ft. by 150 ft., both to a height of 200 ft. From the roof a chimney ventilation shaft rises a further 200 ft. The "liquor" passes down by gravity through a maze of equipment within the concrete core, being separated into its various components (including, of course, plutonium) on the way. All processes are remotely on the way. All processes are remotely manipulated because of radio activity. Some of these "fission products," because nothing can be done with them, go to a sinister little building where they must be stored "for ever." The rest are dealt with in the laboratory group.

Designing began in 1947 and the first pile was operating in December, 1950. To those who have seen the buildings this is a staggering achievement. Not the least of problems was that the scientists could not give complete and unalterable instructions at the start, so that in some cases work was begun before details of the installation were known. Within "process" areas materials had to satisfy peculiar requirements, for instance, aggregate had to be of low sodium content. Yet it was necessary to stockpile building materials to avoid delay.

An interesting footnote to the project is the evolution of a team of craftsmen, metal workers, and building tradesmen, and a team of designers, engineers, and architects who have considerable knowledge of nuclear physics relative to their own work. There is, in fact, a special apprenticeship scheme at Windscale, and a nuclear engineering society is being formed.

RSI

Dry Rot Exhibition

On Wednesday, May 12, Sir David Eccles, Minister of Works, opened a Dry Rot and Woodworm Exhibition at the RSI. Sir David, in commenting on the £20 million which these pests were said to be costing the country every year, pointed out that this high figure was substantially a reflection of

the lack of maintenance during the late war.

He expressed his hope that the exhibition, in pointing out the need for a scientific use in pointing out the need for a scientific use of wood, would not detract from the esteem which the material enjoys in the building industry. The exhibition, which has been organized by the RSI in collaboration with DSIR, recapitulates data which have already been published in DSIR leaflets, and will remain open until July 17.

CONCRETE

Proposed Certificate of Concrete Practice

From a recent Concrete Symposium, attended by over 1,300 technical people, it is obvious (writes a correspondent) that interest in concrete practice has never been higher at the professional level. In order to complete the revolution in concrete-making practice it is essential that a like interest should be stimu-

lated among site operatives.

In order to forward this, the City and Guilds, acting on the request of the Reinforced Concrete Association, have agreed to issue a Certificate of Concrete Practice. This certificate is to be issued to candidates who pass an examination after attending a course of twenty-six lectures in one year, the object of these lectures being to put over to the lower supervisory grades the technical reasons for the various actions they must take to ensure proper control in concrete-making.

The courses are to be held in different parts of the country, and are to be synchronized so that a man moving from one area to another may be certain of resuming his course at the point where he left off. All who are concerned in the industry are requested to assist in making the proposal a success.

HOUSING

Factory-made Units

The Punt roof unit and timber storey-height panels are now being produced as factory-made units for assembly into single-storey houses.

houses.

Messrs. C. D. Productions recently staged a modest exhibition at Hatfield which was aimed to interest those who would like to build their own houses. The co-operation of the New Town Development Corporation and its architect, Lionel Brett, has been secured, and it is hoped that a site can soon be made available for about twelve houses. The first will be put up by C. D. Productions and the Corporation jointly as a demonstration, and technical assistance will then be given to the remaining builder-occupiers.

The houses are planned to a 40 in. module and a range of wall and window panels is available so that a wide variety of plan arrangements is possible; all designs have to be approved by the New Town architect. The material used is mainly hardwood, the windows are sliding sashes, and a compact e'ectrically-heated hot water unit has been devised in which the tube supports also act as pipes.

It is claimed that a three-bedroomed house of 916 sq. ft. would cost £1,200. It is possible that building society financial assistance will be available to intending owners. The design is the joint work of Ove Arup, Raglan Squire and C. D. Productions Ltd.

DHARY

Architectural Criticism. Discussion on Hat-field Technical School. At the ICA, 17-18, Dover Street, W.1. 8.15 p.m. May 20

Some African Studies. Hope Bagenal. At the AA, 34, Bedford Square, W.C.I. 8 p.m. May 26

British Architects' Conference, Torquay. For full particulars apply to the Secretary, RIBA, 66, Portland Place, W.1. MAY 26 TO 29

Industrial Design. A residential course organized in conjunction with the COID. For particulars apply to the Director, Pendley Manor, Tring, Herts. May 28 TO 30

Readers requiring up-to-date information on building products and services may complete and post this form to the Architects' Journal 9, 11 and 13, Queen Anne's Gate, S.W.1



I am interested in the following advertisements appearing in this issue of "The Architects' Journal." (BLOCK LETTERS, and list in alphabetical order of manufacturers names please.)

Please ask manufacturers to send further particulars to:—

NAME

PROFESSION or TRADE

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20.5.54

Announcements

G. L. Cadell, B.A., A.R.I.B.A., has moved his practice to 12, Thayer Street, W.1. (Tel.: Hunter 0402.)

Fred Greenwood, A.R.I.B.A., of 25, Liverpool Road, Kingston-upon-Thames, has moved his office to 18, The Green, Richmond (Tel.: Richmond 6316).

John E. Seabright, A.R.I.B.A., has resigned ins appointment with the Malvern Urban District Council and is returning to private practice. His office will be at 58, Barbourne Road, Worcester (Tel.: Worcester 2924), where he will be pleased to receive trade catalogues.

The firm of Ross, Harvey & Scott, registered architects, has been dissolved. The partners, D. Harvey and A. Scott, A./A.R.I.B.A., will practise under this style at 2, Lynedoch Place, Glasgow, C.3, and 18, High Street, Paisley.

Elsworth Sykes & Co., architects and surveyors, have changed their style to Elsworth Sykes (A.R.I.B.A.) & Partners, and will continue to practise at Ruskin Chambers, Scale Lane, Hull (Tel.: Hull 35369-35339).

J. H. Blight, F.R.I.C.S., M.I.MUN.E., Borough Engineer, Surveyor and Architect of the Penzance Corporation, Municipal Buildings, Penzance, will be pleased to receive trade catalogues and literature. These should be addressed to Mr. Blight.

Lay & Partners, Quantity Surveyors, have moved to 71, Wimpole Street, W.1 (Tel.: Hunter 0591). Their Manchester office will continue at 41, South King Street, Manchester 2 (Tel.: Blackfriars 7210).

Econa Modern Products Ltd., of Birmingham, will shortly open their London office at 108, Victoria Street, S.W.1 (Tel.: Tate Gallery 8843). P. N. Bailey, London representative, will be in charge of the office.

Brian Peake, F.R.I.B.A., A.A.DUPL. (HONS.), M.S.I.A., has moved to 7, Chesterfield Hill, W.1. (Tel.: Grosvenor 7888/9/0.)

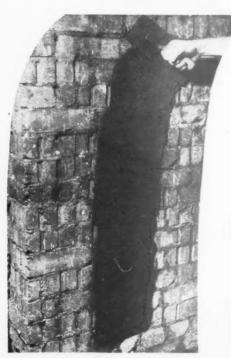
Enfield Cables Limited have opened a new branch at 42, Hamilton Place, Edinburgh (Tel.: Caledonian 3041), the branch manager being J. T. F. Lippett.

S. R. Cotton, G. R. H. S. Newman and J. F. Newman have been elected to the board of the Rom River Co., Ltd., while J. Bruce has resigned his directorship. The company is now at St. Richards House, 90, Eversholt Street, N.W.I.

A delegation of French electrical contractors representing the Fèdèration Nationale de l'Equipment Electrique visited this country recently. The party, which included M. R. Comtet, President of the Federation, M. M. Malet, Secretary General, Messieurs R. Huget, R. Audelin and R. Lahon, vice-presidents for the Orleans, Amiens and Rouen branches respectively, and M. Laurent, a leading electrical consultant from Lyons, came over primarily to see the "Ductube" pneumatic tubing system of internal electrical servicing. During the course of their three-day visit, sites in London and Plymouth were inspected.

Henry Wiggin & Co. Ltd., announce the following appointments: J. O. Hitchcock has become assistant to the Chairman of the Mond Nickel Co. Ltd., H. W. G. Hignett has been appointed to the Wiggin Co. Board to take charge of technical (metallurgical) control, R. E. Ansell will become a member of the Wiggin Board, O. Lewis Jones will become General Production Manager and his position as Works Manager will be taken over by C. E. Winfield at Birmingham. Zenith Works, Glasgow, announce that A. B. Graham, General Manager, will relinquish that position but continue to undertake special duties, his place being taken by R. J. P. MacDonald.

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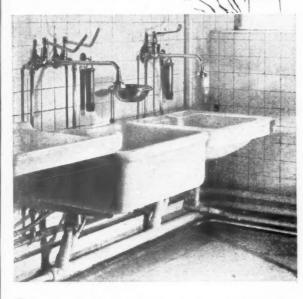
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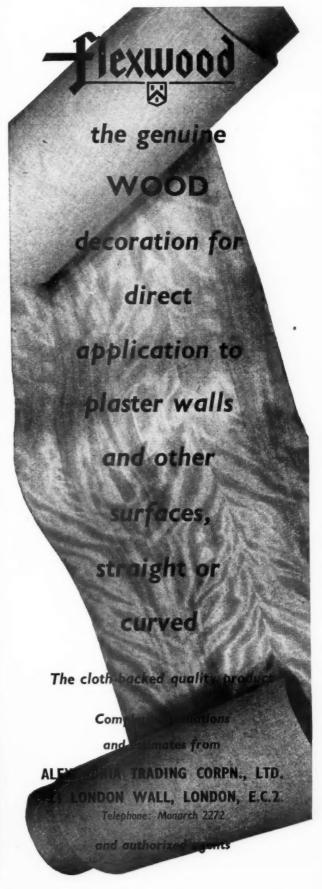
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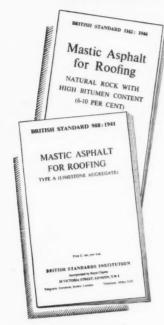
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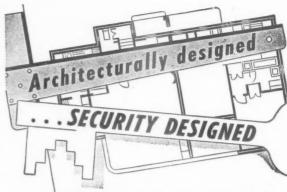
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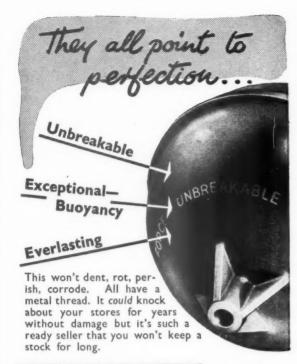
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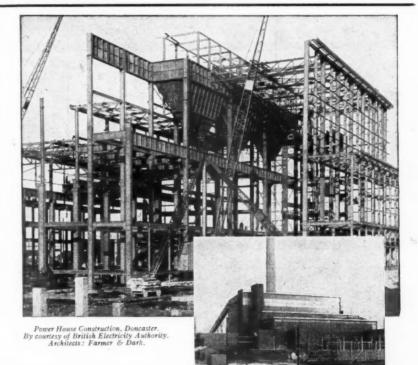
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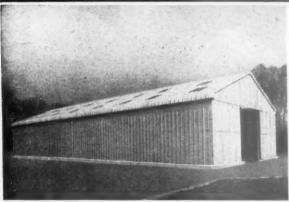
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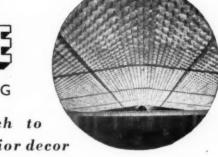
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(c) ASSISTANT QUANTITY SURVEYOR.
Balary: A.P.T. Division, Grade VII (£735-£810).
Housing accommodation may be made available for appointments (b) and (c).
Applications, stating date of birth, particulars of training and experience, with copies of two recent testimonials. should be received by J. R.
Piggott, T.D., F.B.I.B.A., City Architect, Kingsway, Stoke-on-Trent. Staffs., endorsed with the title of the appointment, not later than Saturday, thank of the suppointment, not later than Saturday, thank of the suppointment of the

HARRY TAYLOR, Town Clerk

CITY OF OXFORD.

CITY ARCHITECT AND PLANNING
OFFICER'S DEPARTMENT.

Applications are invited for the undermentioned posts on the Permanent Staff:—
(1) CHIEF PLANNING ASSISTANT. Grade VIII-IX A.P.T. Division (£785 × £25(3) × £40(3) — £960 per annum).

The successful applicant will be required to take charge of the Town Planning Section of the Department, and should have had a wide experience of Town Planning practice.
Candidates must be qualified Members of the Town Planning Institute and additional qualifications will be an advantage.

A Car Allowance (Essential User) on the Council's Scale will be payable to the successful applicant.

A car Anomatic (Essential User) on the Connecti's Scale will be payable to the successful applicant.

(2) PLANNING ASSISTANT. Within the range Grade V-VI A.P.T. Division. (£620 × £15(2) × £20(1) × £20(2) × £25(1)—£760 per annum, according to experience).

The successful applicant will be required to undertake varied duties in the Planning Section of the Department, must have had experience in the Planning work of a Local Authority and be a qualified Member of the Town Planning Institute. Housing accommodation, if required, will be provided by the Council.

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

Forms of application, and conditions of appointment, may be obtained from E. G. Chandler, A.R.I.B.A., A.M.T.P.I. City Architect and Planning Officer, Town Hall, Oxford, to whom completed forms must be returned not later than Saturday the 5th June, 1954.

HARRY PLOWMAN.

Town Hall, Oxford.

Town Hall, Oxford.

Town Hall, Oxford.

Town Hall, Oxford.

Town Hall, Oxford.

Town Hall, Oxford.

2631

NOTTINGHAMSHIRE COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.
APPOINTMENT OF ASSISTANT ARCHITECT.
Applications are invited for the appointment of
ASSISTANT ARCHITECT. Salary 2736-6310 per
annum. Applicants must be qualified Architects
and membership of the Town Planning Institute
would be an advantage. Experience in the design
and grouping of buildings, the re-development of
built-up areas and the preparation of housing
layouts required.
Further particulars from County Director of
Planning, Shire Hall, Nottingham, to whom
applications must be sent by 11th June, 1954.
Canvassing disqualifies.

(Calchel A. R. DAVIS,

fies.
A. R. DAVIS,
Clerk of the County Council.
2610

COUNTY BOROUGH OF WEST BROMWICH.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.
Applications are invited for the following permanent appointments:—
(a) SENIOR ASSISTANT ARCHITECT. Grade
A.P.T., VIII (£785×£25-£860).
(b) ASSISTANT ARCHITECT. Grade A.P.T.,
VII (£735×£25-£810).
(c) ARCHITECTURAL ASSISTANT. Grade
A.P.T., III (£550×£15-£595), or Grade IV (£580×£15-£595).

e15—£625).

(d) ASSISTANT BUILDING INSPECTOR.

(rade A.P.T., I (£490×£15—£535).

Housing accommodation will be available for one of the Architectural appointments in Grade A.P.T., VIII., or Grade A.P.T., VIII.

N.J.C. Conditions of Service.

Applications, naming two referees. to Borough Surveyor, Town Hall, West Bromwich, by 20th May, 1954.

Applications, naming two fereices, to Borosian Surveyor, Town Hall, West Bromwich, by 20th May, 1954.

EAST SUSSEX COUNTY COUNCIL. COUNTY PLANNING OFFICE.

PLANNING ASSITANT required on the permanent staff on N.J.C. Scale A.P.T. IV. Preference will be given to candidates with Inter. R.I.B.A. and some architectural experience. Particulars and form of application from County Planning Officer, County Hall. Lewes, to be returned not later than the 7th June. 2632

COUNTY BOROUGH OF GATESHEAD.

BOROUGH SURVEYOR'S DEPARTMENT:

ASSISTANT ARCHITECTURAL SECTION.

ASSISTANT ARCHITECTURAL SECTION.

VI (£695-£760 p.a.). Must be Registered Architects, Corporate Members of R.I.B.A., and experienced in design and construction of Public Buildings, Schools and/or Municipal Housing. The appointments are Established, pensionable, subject to Medical Examination, prescribed conditions and Local Government Superannuation Acts. Application forms from Mr. G. F. Winters, B.E., A.M.I.C.E., Borough Surveyor, Municipal Buildings, Swinburne Street, Gateshead, 8, returnable by 3rd June, 1954. Canvassing disqualifies.

J. W. PORTER, Town Hall, Gateshead, 8, 6th May, 1954. 2595

Town Hall, Gateshead, 8.

6th May, 1954.

LONDON COUNTY COUNCIL.

Technical College for the Furnishing Trades.

Part-time TEACHER of Design, Colour and Model Making required (not necessarily furniture design). Candidates must have a sound art or architectural training and teaching experience is desirable, though not necessary. Remuneration approximately £5 per day, two days per week. Forms of application and further particulars obtainable from the Secretary of the College, Pitfield Street, N.1. (401)

CITY OF PETERBOROUGH.
ARCHITECTURAL ASSISTANT, Grade A.P.T.

ARCHITECTURAL ASSISTANT, Grade A.P.T. III.

Applications are invited for the above appointment in the City Engineer's Department. Applicants must be of Intermediate R.I.B.A. Standard, possess a sound knowledge of building construction and be capable of preparing working and detail drawings under supervision. Previous experience on School buildings will be an advantage. Applications, stating age, experience, details of qualifications, together with copies of three recent testimonials, should be sent in envelopes endorsed. Architectural Assistant to Mr. F. J. Smith, M.B.E. A.M.I.C.E., City Engineer & Surveyor, Town Hall, Peterborough, to reach him not later than 4th June, 1954.

Canvassing, directly or indirectly will disqualify. Candidates must disclose whether they are related to any member or senior officer of the Council.

C. PETER CLARKE, Town Clerk.

Town Hall, Peterborough.

May, 1954.

STAFFORDSHIRE COUNTY COUNCIL.
COUNTY PLANNING AND DEVELOPMENT
DEPARTMENT.

Applications are invited for the appointments of
PLANNING ASSISTANTS on Grades IV-VI (£580£760), commencing salary according to qualifications and experience.
There is a vacancy at Headquarters, Stafford,
and the Southern Area Planning Office, Wolverhampton.

There is a vacancy at Headquarters, Stanford, and the Southern Area Planning Office, Wolverhampton.

The Department is concerned with the implementation of the County Development Plan. Candidates should preferably have experience in the preparation and carrying into effect of housing estate layouts, estate development work, and urban redevelopment schemes. Candidates should be qualified architects, engineers or surveyors, and Corporate Membership of the T.P.I. would be an advantage.

Applicants should give details of age, education and training, qualifications, present and previous appointments and experience, and the names of two persons to whom reference can be made.

Applications, in which relationship to any member or senior officer of the County Council must be disclosed, should be sent to D. W. Riley, County Planning and Development Officer, 41a, Eastgate Street, Stafford, not later than the 24th May, 1954.

T. H. EVANS.

T. H. EVANS, Clerk of the County Council. 2616

SOUTH-EASTERN REGIONAL HOSPITAL BOARD, SCOTLAND. REGIONAL ARCHITECT'S DEPARTMENT., Vacancies occur for TWO ARCHITECTURAL ASSISTANTS, on a salary scale £440×£25 (1)× £20 (8)—£625 per annum, headquarters in Edin-burgh.

220 (8)—4525 per annum, headquarters in Edinburgh.

Applicants must be Registered Architects. Experience in the design of Hospital building is desirable, but not essential.

Applications, giving details of age, qualifications, experience, along with the names and addresses of two referees, should be sent to the Regional Architect, 8, Drumsheugh Gardens, Edinburgh, 3, on or before Saturday, 29th May, 1954.

COUNTY POPOLICIE OF DEWSBURY

Edinburgh, 3, on or before Saturday, 29th May, 1954. 2669

COUNTY ROROUGH OF DEWSBURY.
BOROUGH ARCHITECT AND BUILDINGS
Applications are invited for the appointment of an ASSISTANT ARCHITECT (Education Section), at a salary in accordance with A.P.T., Grade VI; the commencing salary will be fixed within the scope of the grade, according to qualifications and experience (£695-£760 per annum). Applicants should be Registered Architects, with good architectural experience and a knowledge of local government procedure.

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

Applications, stating age, education, qualifications, full particulars of training and experience, together with copies of two recent testimonials, should be scart to the undersigned not later than Monday, 31st May, 1954, endorsed "Assistant Architect."

A. NORMAN JAMES,
Town Clerk

A. NORMAN JAMES, Town Clerk.

Town Hall, Dewsbury.

10th May, 1954.

2634

STEVENAGE DEVELOPMENT CORPORATION.
Applications are invited for the following posts in the Chief Architect's Department:—
(a) ASSISTANT QUANTITY SURVEYOR.
Salary grade: £625×£30—£700.
Candidates should be suitably qualified, with some "taking-off" experience.
(b) JUNIOR QUANTITY SURVEYORS. Two vacancies. Salary grades: £475×£25—£540, £540×£25—£600, or £605×£25—£645 per annum, according to experience.

£25-£600, or £605×£25-£645 per annum, according
to experience.
Candidates should be suitably qualified and able
to "work-up" Bills of Quantities.
Housing accommodation will be available in
due course in appropriate cases.
Applications, giving details of experience and
names of two referees, should be sent to the Chief
Administrative Officer, Aston House, near
Stevenage, Herts., not later than Tuesday, 8th
June, 1954.
8th May, 1954.

STAFF REPLACEMENTS: "ARCHITECT-ENGINEERS."
The Surveyor-Architect requires the following staff:

staff:—

(1) A.P.T., II (Housing), £520 rising to £565.

(2) A.P.T., I (Housing) and/or Engineering), £490 to £555.

(3) General Division (Engineering). Salary on age (£275 at 21; £470 at 30).

Fullest written application to me by Monday, 24th May, 1954, stating which post is applied for; age; liability to military service; certificates (if any); Jobs held; names and addresses of two referees.

Whilst the main requirements are draughtsmanship in connection with housing capital schemes, the duties will also cover civil engineering and other non-housing work. Good opportunities in a growing district.

1. H. DEARNLEY,

growing district.

I. H. DEARNLEY,
Clerk of the Council
Council Offices, Kingswood, Bristol. 263

Council Offices, Kingswood, Bristol.

BOROUGH OF BRIDGWATER.

APPOINTMENT OF ASSISTANT ARCHITECT.

Applications are invited for the appointment of Assistant Architect at the commencing salary of Grade V. A.P.T. The appointment will be subject to the National Conditions of Service, Local Government Superannuation Acts, a medical examination, and to termination by one month's written notice on either side.

Preference will be given to applicants who are A.R.I.B.A., with wide experience of housing and other Municipal general works. Consideration will be given to the provision of housing accommodation for the successful candidate, if necessary.

Applications, stating age, qualifications, experience, etc., with the names and addresses of two referees, should be delivered to the Borough Architect, Town Hall, Bridgwater, not later than the Sist May, 1954.

Canvassing in any form will disqualify, and applicants must disclose whether they are related to any member or senior officer of the Council.

H. A. CLIDERO.

Town Hall, Bridgwater.

7th May, 1954.

applicants must disclose whether they are related to any member or senior officer of the Council.

H. A. CLIDERO.

Town Clerk.
The May, 1954.

COUNTY BOROUGH OF GLOUCESTER.
CITY ARCHITECT'S DEPARTMENT.
Applications are invited for the appointment of an ASSISTANT ARCHITECT. Salary: A.P.T., V (620 × 215(a) × 220 – 2670 p.a.), subject to Local Government Superanuation Act. Preference will be given to Associates R.I.B.A.
Applications to be received not later than Monday, 31st May, 1954, stating age, married or single, training, qualifications. experience, previous and present appointments, with copies of recent testimonials.

J. V. WALL, A.R.I.B.A.
City Architect.
Suffolk House, Greyfriars, Gloucester.
2633

THE NORTH WESTERN ELECTRICITY
BOARD.
APPOINTMENT OF ARCHITECTURAL ASSISTANT (3RD ASSISTANT ENGINEER), (TEM-PORARY). CONSTRUCTION SECTION, CHIEF ENGINEER'S DEPARTMENT, AREA BOARD HEADQUARTERS, MANCHESTER.
Applicants should at least have passed the Intermediate examination of the R.I.B.A. and preference will be given to associates of this Institute. They must have had experience in the design and construction of modern buildings and be capable of site surveying, preparation of sketch schemes, working drawings and details for large office and depot projects and have some experience of site supervision and contract administration. They will be required to work under the immediate surveying, preparation of sketch schemes. Working drawings and details for large office and constructional knowledge are essential and applicants should be capable of giving instructions in specification form for the taking off of Quantities. Salary Scale: £649/790 p.a. Class AX, Grade 5, N.J.B., Conditions.
Applications to Establishment Officer, The North Western Electricity Board, Cheetwood Road, Manchester, 8, by 29th May, 1954.

ENORTHEN POLYTECHNIC, HOLLDWAY.
LONDON, N.7.
The Governing Body invite immediate applicants and to take up duties in September next and to teach the above subjects to full-time and evening students in the Day a

METROPOLITAN BOROUGH OF FULHAM.
ASSISTANT QUANTITY SURVEYOR.
Borough Architects and Housing Dept. A.P.T.,
Grade VIII (£785-£860 p.a., plus £30 p.a. London
weighting). Experienced in preparation of bills
of quantities, and complete management of large
contracts for blocks of multi-storey flats and public
buildings. A.R.I.C.S. (Quantities) examination or
equivalent. Application forms from Town Clerk,
Town Hall, S.W.6. Closing date: 1st June, 1954.

CITY OF NOTTINGHAM EDUCATION
COMMITTEE.
COLLEGE OF ART AND CRAFTS.
PRINCIPAL: ALFRED H. RODWAY, A.R.C.A.
HEAD OF SCHOOL OF ARCHITECTURE:
D. W. NOTLEY, B.Arch.(Hons.) L'pool,
A.R.I.B.A.
Applications are invited for the post of fulltime STUDIO MASTER in the School of Architecture which is recognized for exemption from
the R.I.B.A. Final Examination. Duties to commence on the 1st September, 1954, or nearest date
possible thereafter. Candidates should be fully
qualified Architects, preferably holding the degree
or diploma of a recognized school. Subject to the
conditions governing full-time teaching service,
the person appointed will be given such opportunities as may be practicable to maintain professional practice.
Salary: Burnham Scale for Grade B Assistants—
at present £490 × £25 — £765, Women £437 ×
£20 — £32 plus allowances.
Application forms and further particulars from
the Principal, College of Art and Crafts,
Waverley Street, Nottingham, to whom the forms
should be returned by 12th June, 1954.
F. STEPHENSON,
Director of Education.
Education Office.
Exchange Buildings,

Education Office, Exchange Buildings, Smithy Row, Nottingham.

NORTHAMPTON.
BOROUGH ARCHITECT'S DEPARTMENT.
(a) ASSISTANT ARCHITECT (HOUSING).
A.P.T., V (£620-£670).
(b) ARCHITECTURAL ASSISTANTS. A.P.T.,
III (£56-£955) (two temporary posts).
(c) JUNIOR ARCHITECTURAL ASSISTANT (EDUCATION). A.P.T., I (£490-£535).
(d) JUNIOR ARCHITECTURAL ASSISTANT (General Division) (two posts).
Particulars of appointments and Forms of Application, to be returned by 4th June, may be obtained from the Borough Architect, Guildhall, Northampton.

WEST SUFFOLK COUNTY COUNCIL.
ARCHITECTURAL ASSISTANT N.J.C. service conditions. Salary: £650-£710 (A.P.T., Va). Post pensionable; medical examination. Applicants should have had at least two years' office experience, and should be Registered Architects. Application forms, obtainable from the Clerk of the County Council, Shire Hall, Bury St. Edmunds, to be returned by 5th June, 1954.

HOLIAND COUNTY COUNCIL.

APPOINTMENT OF DEPUTY COUNTY
ARCHITECT.

Applications are invited from Associates of the Royal Institute of British Architects with local government experience for the appointment of Deputy County Architect. Salary £1,250 × £50 – £1,450. Conditions and particulars from Clerk of the County Council, County Hall, Boston, Lincs. Last date for applications, 30th June, 1954. The County Architect will retire in January, 1956.

Applications are invited for two appointments of ARCHITECTURAL AND SURVEYING ASSISTANTS from Applicants:—

(a) with good office experience and knowledge of general construction and have passed or be preparing for Final R.I.B.A. or R.I.C.S. Scale of pay £500 by £28.15s. to £768.15s. (including cost of living addition), commencing salary subject to age, experience and qualifications.

(b) for dilapidations, contracts of repair and preparation of plans: age 20-25 years, studying for appropriate professional examinations. Commencing salary not exceeding £306 5s. (including cost of living addition) at the age of 25, rising to a maximum of £586.5s.

Appointments subject to medical examination and contribution to Superannuation Fund.

Applications, giving full personal details, age, particulars of qualifications, experience, and appointments held, with the names of two referees, to the City Surveyor, 55-61, Moorgate, E.C.2, by Monday, 31st May, 1954.

PORDUICH OF CHALLINGHAM

BOROUGH OF GILLINGHAM.
BOROUGH ENGINEER'S DEPARTMENT.
APPOINTMENT OF SENIOR ASSISTANT
ARCHITECT GRADE APT VI
Applicants should be suitably qualified and have practical experience covering architectural design of a general character including housing.
The Council are prepared to allocate housing accommodation if required by the successful applicant.

accommodation if required by the successful applicant.

Forms of application may be obtained from the Borough Engineer, Municipal Buildings, Gillingham, Kent. Applications, appropriately endorsed must be received by the undersigned, accompanied by copies of not more than three recent testimonials, by not later than first post on Tuesday, 8th June, 1954.

Canvassing directly or indirectly will disqualify.

FRANK HILL.

FRANK HILL, Town Clerk.

Municipal Buildings, Gillingham, Kent. 10th May, 1954.

NEWCASTLE REGIONAL HOSPITAL BOARD, REGIONAL ARCHITECT'S DEPARTMENT.

APPOINTMENT OF

(a) ONE ASSISTANT ARCHITECT, and
(b) ONE ARCHITECTURAL ASSISTANT,
Applications are invited for the following permanent (superanuable) appointments on the Headquarters Staff of the Regional Architect, Philip H. Knighton, M.B.E., A.R.I.B.A.:—
(a) One Assistant Architect,
Associateship of Royal Institute of British Architects and good experience of design and construction of public buildings essential. Commencing salary within Grade £600 to £865 according to length of practical experience since becoming a Registered Architect.

(b) One Architectural Assistant.
Inter R.I.B.A. and some practical experience essential. Commencing salary within grade £440 to £625 according to practical experience since passing Intermediate Examination but not exceeding £525.

Posts offer opportunity for gaining all-round general as well as hospital experience and for doing good-class work in an expanding depart-ment. Evening study facilities for Final avail-able at King's College of Durham University in

ment. Evening study facilities for Final available at King's College of Durham University in Newcastle.

Whitley Circulars P.T.B. 19 and 20 prescribe salary scales and service conditions.

State training, experience, whether married, present post and salary, war service (if any), date available and names of three referees of whom at least two should be architects.

Applications to the Secretary by 31st May, 1954.

Osborne Road.

Newcastle, 2.

NEWCASTLE REGIONAL HOSPITAL BOARD.

BUILDING CONTRACTS.

The Board proposes to carry out the undermentioned scheme, under the direction of the Regional Architect, Mr. P. H. Knighton, M.B.E., A.R.I.B.A.

WEST HARTLEPOOL GENERAL HOSPITAL Alterations and extensions to an existing single-

WEST HARTLEPOOL GENERAL HOSPITAL Alterations and extensions to an existing single-storey Operating Theatre Suite, containing an approximate floor area of 1.750 square feet.

NEWCASTLE GENERAL HOSPITAL Extension and improvement of four Sanitary Towers on two floors to provide bathfooms, sluice rooms and patients' toilets and the forming of four Sterilizing Rooms in existing Wards, containing a total floor area of approximately 3,000 square feet.

square feet.
MIDDLESBROUGH GENERAL HOSPITAL
Alterations and extensions to an existing twostorey building to provide additional wardancillary accommodation on the Ground Floor
and to improve and extend an existing Operating
Theatre Suite on the First Floor, containing an
approximate floor area of 1,200 square feet.

approximate floor area of 1,200 square reet.

Tender documents will be ready for issue to Contractors by about the end of June, 1954, and it is expected that it will be possible for building operations to commence in September, 1954. Contractors wishing to tender for all or any of these schemes are asked to submit their names to the undersigned not later than 7th June, 1954, stating clearly in connection with which hospital or hospitals they wish to tender.

A limited number of contractors may be selected and asked to tender, but the lowest or any tender will not necessarily be accepted.

B. DOBBIN,

Secretary to the Board.

B. DOBBIN.

Secretary to the Board.

Newcastle-on-Tyne, 2.
12th May. 1954.

HUYTON-WITH-ROBY URBAN DISTRICT
OUNCIL.

ARCHITECT'S DEPARTMENT.

APPOINTMENT OF SENIOR QUANTITY
SURVEYOR.

Applications are invited for the above appointment on Grade A.P.T., Va-6.

Applicants should have had considerable experience in the preparation of Bills of Quantities, interim certificates, and final accounts for housing schemes. Preference will be given to Associates of R.I.C.S. or I.Q.S. Provision of housing accommodation may be considered.

Applications addressed to the Clerk of the Council, Council Offices, Derby Road, Huyton, must be received by Monday, 24th May, 1954, accompanied by names and addresses of two referees.

HE H. LAWTON

H. E. H. LAWTON, Clerk of the Council. 2624

CORPORATION OF DUBLIN.

CORPORATION OF DUBLIN.
Vacancies for

(a) Temporary SENIOR PLANNING ASSISTANTS.
TANT.
(b) Temporary PLANNING ASSISTANTS.
Grade II.
Latest date for receipt of Application Forms:
14th June, 1954.
Salary: Post (a)—£1.155 p.a., inclusive of temporary allowance.
Post (b)—£715 p.a., inclusive of temporary allowance.
Application forms and full particulars from the Establishment Department, City Hall, where completed forms should be lodged.
P. J. HERNON,
City Manager and Town Clerk.
City Hall, Dublin. 7th May, 1954.

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NOTTINGHAMSHIRE COUNTY COUNCIL.

COUNTY PLANNING DEPARTMENT.
PLANNING ASSISTANT required. Salary £580£525 p.a. Applicants should have passed the
Intermediate examination of the Town Planning
Institute or be exempt, and have had experience
£5 p.a. County Areas.
Further particulars from County Director of
Planning, Shire Hall, Nottingham, to whom
applications must be submitted by 11th June,
£54. Canvassing will disquality.

Clerk of the County Council.

2687

BOROUGH OF SHREWSBURY.
ROROUGH SURVEYOR'S DEPARTMENT.
Applications are invited for the appointment of
ASSISTANT ARCHITECT on the permanent staff
in accordance with Grade V or Va (£620-£670 or
£550-£710) according to qualifications and experience. Subject to medical examination.
Housing accommodation can be provided if

Housing accommodation that required.

Applications, stating age, qualifications, present position and salary, and experience, together with the names and addresses of two referees, to be sent to Borough Surveyor, Guildhall, Shrewsbury, not later than 29th May, 1954.

S. R. H. LOXTON,
Town Clerk.

Guildhall, Shrewsbury.

May, 1954.

POROUGH OF ROWLEY REGIS.

APPOINTMENT OF FIRST ARCHITECTURAL

ASSISTANT.

Applications are invited from suitably qualified
persons for the above appointment in the Building
Department, at a salary in accordance with A.P.T.

Grade VII (£735 × £25—£810).

Applicants should be experienced in housing
and other architectural works normally undertaken by a Local Authority, and experience of a
direct labour building organisation would be an
advantage.

direct labour building organisation would be an advantage.

The appointment will be subject to the provisions of the Council's Conditions of Service and the Local Government Superannuation Acts.

Heusing accommodation will be offered, if required.

Applications, stating age, qualifications and experience, together with copies of two recent testimonials, should be sent to the undersigned not later than Tuesday, 1st June.

R. HEGAN.

monials, should be sent to the undersigned hot later than Tuesday, 1st June.

R. HEGAN.

R. HEGAN.

Municipal Buildings, Old Hill, Staffs.

14th May. 1954.

COUNTY BOROUGH OF TYNEMOUTH

BOROUGH SURVEYOR'S DEPARTMENT.

Applications are invited for the post of ASSISTANT ARCHITECT. Grade V/VA/VI £620/£766,
the grading to be according to experience.

Application forms and Conditions of Aopointment may be obtained from D. M. O'Herlihy,

Esq.. B.Sc.(Eng.), M.I.C.E., Borough Surveyor,

18, Northumberland Square, North Spields to whem they should be returned by the 5th June,

1954.

whem they should be returned by the 5th June, 1954.

FRED. G. FGNER. Toom Clerk.

14. Northumberland Square, North Shields. 2684

HEMEL HEMPSTEAD DEVELOPMENT
CORPORATION.

APPOINTMENT OF ASSISTANT ARCHITECTS. (Vacancy No. 102.)

Salary scale £510 £25-£635 p.a. Inter.

R.I.B.A. essential. Applicants shou'd have experience in housing and in the case of one appointment of ind-str'al development.

APPOINTMENT OF JUNIOR ASSISTANT ARCHITECTS. (Vacancy No. 103.)

Salary scale £255-£450 p.a. Applicants should have good architectural drawing office experience and ability to execute drawings in connection with rusing and/er industrial work, and should be studying for R.I.B.A. examinations. Conditions of service similar to Local Government Charter with conportunity of entering or continuing in Local Government Superannuation Scheme.

Application forms can be obtained from the

continuing in Local Government Scheme.

Application forms can be obtained from the General Manager. Westbrock Hay. Heme! Hemostead. and should be completed and returned by 2nd June.

2685

HERTFORDSHIRE COUNTY COUNTY.

COUNTY ARCHITECT'S DEPARTMENT.
Applications are invited for the appointment of ASSISTANT ARCHITECTS, Grade II (#520-£556).
Applicants should be at the R.I.B.A. Final Examination stage and on Registration and completion of 12 months' satisfactory service, will be considered for promotion to Grade V (£620-£570).

Applications

2670).
Applications, together with the names of three referees to the County Architect. County Hall, Hertford, Herts., not later than 10th June, 1954.

ARGYLL COUNTY COUNCIL.

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STAFFORDSHIRE COUNTY COUNCIL.
COUNTY PLANNING AND DEVELOPMENT
DEPARTMENT.
Applications are invited for the appointments of SENIOR PLANNING ASSISTANT on grouped Grades VII to VIII (£735 to £860), commencing salary according to qualifications and experience.
The Department is concerned with the implementation of the County Development Plan. Candidates should have experience in the preparation and carrying into effect of housing estate development work, and urban redevelopment schemes. The officer should be fully experienced in local government administration, committee procedure, and in dealing with staff.
Candidates should be qualified architects, engineers or surveyors, and Corporate Membership of the T.P.I. would be an advantage.
Applicants should give details of age, education and training, qualifications, present and previous appoint nents and experience, and the names of two persons to whom reference can be made. Applications, in which relationship to any member or senior officer of the County Council must be disclosed, should be scat to D. W. Riley, County Planning and Development Officer, 4la, Eastgate Street, Stafford, not later than the 24th May, 1954.
THE EVANS
Clerk of the County Council.

LONDON ELECTRICITY BOARD.
SENIOR DRAUGHTSMAN.
Applications are invited for the above position in the Southern Sub-Area based at Beckenham, Kent.

in the Southern Sub-Area based at Beckenham, Kent.
Candidates should have had a good general and technical education, and be experienced in one or more of the following subjects: building and civil engineering design, engineering drawing, plant layout in sub-stations. In addition the applicant should be capable of supervising Engineering Draughtsmen and/or Junior Draughtsmen if required.

The post is graded under Schedule "D" of the National Joint Board agreement as Grade 5—2595 78. to £704 11s, per annum, inclusive of London allowance.

Application forms obtainable from Personnel Officer, 46, New Broad Street, E.C.2. Please enclose addressed envelope and quote ref. V/1742/A. on envelope and all correspondence.

2613

WEST MIDLANDS GAS BOARD.
WALSALL AND DISTRICT DIVISION.
ARCHITECTURAL ASSISTANT.
Applicants should be capable of preparing sketch plans, working drawings and architectural details in connection with new industrial projects with a minimum of supervision.
The salary will be in accordance with Grade 9 (£635-£735 per annum) of the National Salary Scales for Gas Staffs.
The post is pensionable, and the successful candidate may be required to pass a medical examination.
Applications, stating age, full particulars of education, qualifications and experience, together with the names of two referees, should be addressed to Mr. E. Hardiker, Divisional General Manager, West Midlands Gap Board, Walsall and District Division. Walsall Factory Estate, Tame Bridge, West Bromwich Road, Walsall, to reach him within fifteen days of the appearance of this advertisement.

F. H. CURRETON,

F. H. CURETON,
Secretary to the Board.
2612

BOROUGH OF NUNEATON.
Qualified ARCHITECTURAL ASSISTANT required. Grade A.P.T. v (£620-£670).
Housing accommodation provided.
Particulars from Town Clerk Council House,
Nuneaton. 2653

COVENTRY CORPORATION require ARCHI-TECTURAL ASSISTANTS — Grade APIIV £580—£625) to V (£620—£670) (Registration essen-tial Grade V salary). £25 p.a. local award payable under approved circumstances. Application forms and particulars from D. E. E. Gibson, Bull Yard, Coventry, returnable by 12th June.

BATTERSEA POROUGH COUNCIL require ASST. ARCHITECT. Preference will be given to applicants holding relevant qualifications and with experience in multi-storey flat design. Sal. according to qualifications £735—£810 plus London weighting (A.P.T. VII). L.G. Supn. Act. Application forms from Borough Engineer, Town Hall, S.W.11. Closing date 9th June.

S.W.II. Closing date 4th June.

CRAWLEY DEVELOPMENT CORPORATION require a JUNIOR ASSISTANT ARCHITECT (salary scale £465—£605 p.a.).

Applicants should have reached the R.I.B.A. Internediate Examination standard and have had experience in architectural practice.
Contributory superannuation.

Application forms and particulars to be obtained from Chief Architect (Vacanev), Broadfield, Crawley, Sussex, and returned by 7th June, 1954.

C. A. C. TURNER,
Chief Executive.

2673

LONDON COUNTY COUNCIL.
ARCHITECTS DEPARTMENT.
Vacancies for ARCHITECTS in Schools and
Housing Divisions Salary to 2721.
Particulars and application forms, from Architect (AR/EK/A/2), County Hall, S.E.I. (374.) 2206

Architectural Appointments Vacant
4 lines or under. 7s. 6d.; each additional line. 2s.
The engagement of persons answering these
advertisements must be made through a Local
Office of the Ministry of Labour or a Scheduled
Employment Agency if the applicant is a man
aged 18-64 inclusive or a woman aged 18-59
inclusive unless he or she or the employment, is
excepted from the provisions of the Notification
of Vacanies Order, 1952.

PEQUIRED for Architects' office, Central
London area, young qualified ASSISTANTS
interested in design and construction. Write, stating experience and salary required. Box 2335.

SENIOR AND JUNIOR ARCHITECTURAL
Some experience essential. Large varied practice.
Please state experience and salary required. Box
2137.

A SENIOR ARCHITECTURAL ASSISTANT

Please state experience and salary required. Boz 2137.

A SENIOR ARCHITECTURAL ASSISTANT required, full experience in preparation of working Drawings, Details, and supervision of office and Industrial Buildings in the London Area. Good knowledge of construction and design essential. Apply in writing giving full particulars of qualifications, age, experience and salary required to Box 9829.

A RCHITECTURAL ASSISTANTS required for busy practice engaged upon schools, industrial buildings, offices, etc. Write, giving full particulars of qualifications, experience and salary required, to Johns & Slater, F./A.R.I.B.A., 32, Foundation Street, Ipswich.

PONALD WARD & PARTNERS required several ARCHITECTURAL ASSISTANTS, intermediate standard. Apply Sloane 3291, or 17. Lowndes Street, S.W.I.

A SSISTANT required in progressive practice, W.I. for interesting domestic, commercial and industrial work. Experience essential, preferably qualified or final standard. Salary according to ability. Phone HUNTER 0451 or write Box 2443.

A RCHITECT'S ASSISTANT required in West England of the School of the Conference of the School of the Conference of the School of the Conference of the C

Box 2443.

A RCHITECT'S ASSISTANT required in West
End office. Should be good draughtsman,
with some knowledge of design and construction.
Please write, stating age experience, and salary
required, to Box 2374.

Please write, stating age, experience, and salary required, to Box 2374.

A RCHITECTURAL ASSISTANT required in Westminster office of Consulting Engineers for work in connection with designs of Power Stations, Industrial Buildings, Administrative Office Blocks, etc. Apply stating age, experience and qualifications. Box 2445.

SENIOR ARCHITECTURAL ASSISTANT required immediately in busy and varied practice in South Yorkshire. Final R.I.B.A., essential, and some office experience desirable. Salary according to qualifications and experience. Pension Scheme in operation. Apply with full particulars. Box 2459.

JUNIOR ARCHITECTURAL ASSISTANT required immediately in busy and varied practice in South Yorkshire. Intermediate R.I.B.A. qualification essential and a minimum of three years' office experience. Salary in accordance with qualifications and experience. Pension Scheme in operation. Apply with full particulars. Box 2459.

Scheme in operation. Apply with full particulars. Box 2460.

UALIFIED and experienced SENIOR ASSISTANT required by provincial private practice with varied works in hand. Apply giving full details and salary required to Deacon & Laing, 9, 8t. Paul's Square, Bedford.

ARCHITECTURAL ASSISTANT required for private practice in Worcester, capable of carrying out work from sketch drawing to final account. Please give full particulars, including salary required. Box 2511.

ARCHITECTURAL ASSISTANT required in busy West End office engaged on commercial work. Able to prepare sketch schemes and working drawings. Ability to prepare perspectives an asset. Reply, stating age, experience, and salary required, to Box 2512.

ARCHITECTURAL ASSISTANT required. Intermediate Standard. Full particulars to W. S. Hattrell & Partners, 1, Queen's Road. Coventry.

2689

Coventry.

ENIOR ARCHITECTURAL ASSISTANT required, canable of developing from sketch plan to combletion. General practice including factory, hotel, shop, effice and domestic work. Knowledge of Quantities essential. Please with the stating experience, salary, etc., required, tw. Richardson White, 23 & 33, Albert Street, Mansfield, N°tts.

A RCHITECTURAL DRAUGHTSMAN required, with experience in industrial buildings, for drawing office of large works on north-east coast. Age 25 or upwards. Reply stating qualifications, experience, salary expected and when at liberty, to Box 2598.

Senior & Junior Architectural Assistant qualifications, experience, salary expected and when at liberty, to Box 2598.

Senior & Junior Architectural Assistant required for general London practice. Write stating age, details of experience, and salary required to H. & H. M. Lidbetter, F.F.F.R.I.B.A., 2, Verulam Buildings, Gray's Inn. W.C.1.

A sound knowledge of construction and specification writing. Salary £600 per annum. S. Dedson & Son, L./A.R.I.B.A., Museum Buildings, Priestgate, Peterborough.

A RCHITECTURAL ASSISTANT, up to Inter-mediate standard, required. Some experience of heavy industrial work. Westminster area. Write, stating experience and salary, to Box 2584.

YOUNG office-trained ASSISTANT required for Norfolk office. Car driver; competent surveyor; draughtsman and detailer. Knowledge of final accounts a distinct advantage. Apply. with details of experience and salary required, to Box 2556.

ARCHITECT'S ASSISTANT, of Interstandard, required immediately at Chelmsford office. Must be neat and accurate draughtsman, with office experience. Varied and interesting work, mainly agricultural and housing. 5-day
week. Apply, giving full particulars of age,
experience, and salary required, to Box 2598.

BIRMINGHAM firm of Chartered Architects
requires SENIOR ASSISTANT for carrying
out a variety of interesting work. Write, stating
experience and salary required, to Box 2493.

ARCHITECTURAL ASSISTANT wanted for
country practice in North Essex. Write,
stating experience, salary required, etc., to Box
2583.

A RCHITECTURAL ASSISTANT required in R.1.B.A. standard. Apply stating age, experience, and salary required. Box 2564.

RCHITECTURAL DRAUGHTSMAN required in Wembley district. Reply in writing stating age and salary required. Box 2570.

ARCHITECTURAL ASSISTANT, Intermediate to Final Standard required immediately. Apply stating experience and salary Frank Atkinson, Architects. Barclay's Bank Chambers, Bingley. 2628.

Enior Architectural Assistant re-quired immediately by busy London Archi-tects. Must have good general experience. Salary by arrangement. Reply, giving full particulars to Box 2625.

A RCHITECTURAL ASSISTANT, InterR.I.B.A. Standard, required in S.W. London
office. 2-3 years' experience is essential, preferably in private London practice. Salary according
to experience and ability. Write stating full particulars to Box 2622.

ZENIOR ARCHITECTURAL

ably in private London practice. Salary according to experience and ability. Write stating full particulars to Box 2622.

SENIOR ARCHITECTURAL ASSISTANT, ab.e to take responsibility from sketch stage to completion. Must have experience in domestic work. House might be available. Pension scheme. Midland office. Box 2621.

RCHITECTURAL ASSISTANT required Glasge of Office. Salary commencing £600 p.a. Contemporary work. Box 2617(a).

ARCHITECTURAL ASSISTANT senior and Intermediate. required for general commercial practice. Office experience essential. Full particulars to:—Healing & Overbury. Chartered Architects. Rodney Lodge, Cheltenham. 2630

ARCHITECTS (QUALIFIED) are invited to apply for superannuable posts carrying a Salary Scale of (a) £810.42,1025; and (b) £550.4785. The Minimum Salary of (a) is linked to age 35 and of (b) to age 25 with placing for age on entry up to £710 at age 31. Application forms with full particulars can be obtained from the Secretary, Sc trish Special Housing Association Ltd., 15/21, Palmerston Place, Edinburgh. 2618(a).

RCHITECTS and Surveyors' SENIOR ASSISTANT required for Southampton area general practice. Reply, giving full details of experience, age, and salary required, to Box 2654.

REMA CONSTRUCTION LTD., Salisbury, Wilts. Designers and Builders of Reema Housing and Precast Buildings require:—(1) A young ARCHITECT to train for development work in the Reema system of construction: up to £500 per annum. (2) A young competent DRAUGHTSMAN with sound experience in the detailing of buildings: up to £450 per annum. (3) A JUNIOR DRAUGHTSMAN with sound drawing experience and building knowledge: up to £450 per annum. Location: Salisbury; applications to the above address.

RCHITECTURAL DRAUGHTSMAN required in Architect's Department of large. North Lin-olnshire Industrial Concern. The de-

re 2200 per annum. Location: Salisbury; applications to the above address. 2627

A RCHITECTURAL DRAUGHTSMAN required in Architect's Department of large North Lin-olnshire Industrial Concern. The department is responsible for the design of Offices, Amenity, Medical and Laboratory Buildings. The appointment is permanent and a Pension Scheme and other amenities are available. Applicants must be capable draughtsmen with a good knowledge of modern construction and finishes. Write stating age details of training and experience, and salary required, to Box 2619.

ARCHITECTURAL ASSISTANT between ing office of Chartered Architects. Applicant must be capable of preparing working drawings, details and specifications. Salary £450 to £500. All details to Box 2618.

ARCHITECTS SENIOR and JUNIOR ASSISTANT

A RCHITECTS SENIOR and JUNIOR ASSISTANTS required. Write stating experience and salary required to :—Floyd, Robson and Paul. Chartered Architects, St. Nicolas House, West Mills, Newbury.

ARCHITECTURAL ASSISTANTS. qualified and intermediate standard, required at once in Midland offices. A flair for contemporary design necessary, and T.P. qualifications or experience would be an asset. Salary up to £550 p.a. Reply Box 2647.

UNIOR ASSISTANT required in Architects'
Office at Reading. Knowledge of Industrial and commercial work an advantage. Good prospects. Apply Sainsbury and Chamberlain, L/F.R.I.B.A., 14, Cross Street, Reading. 2651

ECCLESIASTICAL ARCHITECT has vacancy for an ASSISTANT of Intermediate Standard who would be interested in old and new church work. Lawrence H. Bond, 11, Elmer Street, Grantham, Lines. 2650

Street, Grantham, Lines.

SENIOR ASSISTANT required in London Office. General Practice: Must be capable from sketch design to final account. Salary in region of £750 according to capabilities. Write stating age and experience to Box 2648.

A RCHITECTURAL ASSISTANT required in London Office. Varied Practice. Must be a neat and accurate Draughtsman and capable of working with minimum supervision. Apply giving full details of experience and salary required to Box 2649.

Box 2649.

A SENIOR and a JUNIOR ASSISTANT required in a London Architect's office. Salary according to experience and qualifications. Candidates for the Junior Assistant's post should have had at least four years' practical experience. A variety of interesting work. Apply with full particulars to Alleyn & Mansel, Staple Inn Buildings, High Holborn, London, W.C.1. 2646.

A DAMS, HULDEN & PEARSON require qualified assistant's aged 25-30, salary according to experience. Apply giving full particulars of architectural education and experience to 36, Gordon Square, W.C.1. 2644.

ARCHITECTURAL ASSISTANTS required. All grades up to £600 per year. Write full particulars. Lanchester & Lodge, 10, Woburn Square, W.C.1. 2643.

ALL ASSISTANT required, intermediate

MALE ASSISTANT required, intermediate standard with office experience. Write for appointment, Walters & Kerr Bate, 14, Gray's Inn Square, W.C.I.

for appointment, Walters & Kerr Bate, 14, Gray's Inn Square, W.C.I.

ARCHITECTURAL ASSISTANT, office trained and experienced, capable of managing jobs up to £10 000, wanted in Westminster office. Varied and interesting work. Particulars and salary to Box 2555.

LONDON TRANSPORT require temporary ASSISTANT (structural design) for Architect's office. Training and practical experience in design of steel and/or reinforced concrete as applied to architectural buildings essential. Duties include calculations for and preparations of working drawings for steel and reinforced concrete frames and other constructional details of buildings under supervision. Salary range: £635 to £719 10s.; prospects of advancement to £783 10s. Medical exam. Applications to Staff Officer (F/EV 224), London Transport, 55, Broadway, S.W.I. For acknowledgement enclose addressed envelope.

envelope.

ARCHITECTURAL ASSISTANT, preferably with experience industrial building. Salary by arrangement depending on qualifications and experience. Apply Booth and Ledeboer. 9, Blackhall Road. Oxford ('Phone 57217).

B.I.B.A. required age around 30, possibility of a Junior Partnership. Must be prepared to spend one month abroad three times a year. Apply Box 2666.

A. I.B.A. required age around 36, possibility of a Junior Partnership. Must be prepared to spend one month abroad three times a year. Apply Box 2666.

A RCHITECTS and landscape consultants require an ASSISTANT to work primarily on landscape schemes, but partly on contemporary buildings. Knowledge of horticulture an advantage. Salary according to qualifications and experience. Apply John Dudding & Partners. 30. Regent Street. Nottingham. 2667

JUNIOR ASSISTANTS: intermediate standard required for interesting contemporary work, sound knowledge of construction. Write with full details to Edward D. Mills, 16, Carlisle Street. Soho Square. W.1.

ASISTANT required in London office of chartered Architects & Surveyors. All round experience (preferable in private practice) essential and must be able to work without supervision including negotiations with Local Authorities and settling final accounts. Please apply giving full details of experience, age, salary expected. etc. to Box 2674.

ARCHITECT'S ASSISTANT required for general practice in Bucks. Reply stating age, experience and salary required to Box 2638.

ARCHITECTURAL ASSISTANT required for varied work in small busy office in Potters Bar, about Intermediate stage but good rapid draughtsmanship and private office experience in Potters Bar, about Intermediate stage but good rapid draughtsmanship and private office experience is more important. Please write briefly stating experience and salary required to Box 4680.

I.Th Audications are invited for the post the Architect's Denartment. The salary is in the range of 2550 to 2600 dependent upon experience. Preference will be given to candidates who have passed the R.I.B.A. Intermediate Examination and/or School of Architecture. The work to consist of research and development work in connection with timber structures. Contemporary outlook and cood presentation are essential. Applications should be sent to the Director. T.D.A., 21, College Hill, London, E.C.4, not later than 4th June, 1954.

QUANTITY SURVEYOR required for Archi-tects' Office in Huddersfield Area. State age, qualifications, experience and salary required. Box 2668.

Rox 2668.

EXPERIENCED Architectural DRAUGHTSMAN required. Please write stating experience and qualifications to Box 2661.

HAMMETT & NORTON require JUNIOR
ARCHITECTURAL ASSISTANT—final
standard—apply in writing stating age, experience, salary, etc., to 29, Sackville Street, W.1.

JUNIOR age 17/21 required in Architects' London offices. Time granted for evening classes as required. Some training preferable but not necessarily inter-standard. Box 2680.

Architectural Appointments Wanted SENIOR ASSISTANT ARCHITECT (A.R.I.B.A. etc.) with several years' experience in Private Practice and Local Authority, including staff supervision and office administration, etc., seeks in the Greater London Area a position of responsibility in which he can combine his experience in housing and allied works with his qualifications in Town Planning. Salary by arrangement.—

A RCHITECTURAL ASSISTANT and LAND-SCAPE DESIGNER, A.R.I.B.A. and Diploma in Landscape Design, recently qualified, requires position in July in progressive London office with opportunities for using both qualifications. Box 884.

CHARTERED BUILDING SURVEYOR, aged 35, many years' experience in all aspects of Building Surveyors' work seeks change to permanent responsible and progressive position, preferably, just outside London in Architect's or Surveyor's Office, driver, used to taking responsibility and acting on own initiative. Box 2629.

Other Appointments Vacant 4 lines or under. 7s 6d.; each additional line, 2s.

Other Appointments Vacant

4 lines or under, 7s 6d.; each additional line, 2s.

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 1e-64 inclusive or a woman aged 18-59 inclusive unless he or she or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

Typer Inclusive of the Notification of Vacancies Order, 1952.

Typer Inclusive of the Notification of Vacancies Order, 1952.

Typer Inclusive of the Notification and detailing. Blease write giving full particulars and salary required to Box 2620.

CO-OPERATIVE WHOLESALE SOCIETY LTD., ARCHITECT'S DEPARTMENT, MANCHESTER, APPLICATIONS are invited for the appointment of an ASSISTANT LAND and BUILD-ING SURVEYOR.

Applicants must have sound practical experience in land surveying by chain and theodolite and levelling. Additionally a knowledge of building construction is necessary for the survey of existing buildings.

The appointment is permanent with prospects of promotion. Successful candidate will be required to undergo a medical examination for entry into a compulsory Superannuation Scheme. Applications stating age, experience, qualifications and salary required to be addressed to G. S. Hay, A. R. I. B.A., Chief Architect, Co-operative Wholesale Society Limited, 1, Balloon Street, Manchester.

TRAUGHTSMEN (STRUCTURAL) required

Wholesale Society Limited, 1, Balloon Street, Manchester. 2555

RAUGHTSMEN (STRUCTURAL) required by the Steel Company of Wales Limited (Steel Division), Port Talbot.

Applicants should have had experience in the design and detailing of riveted and welded steel structures, and Mill Buildings. Higher National Certificate or equivalent desirable.

Permanent positions are offered to suitable mensuith rates varying with age and qualifications up to £675 per annum.

Those interested should send full particulars of age, qualifications, experience, etc., to the Personnel Superintendent, The Steel Company of Wales Limited, P.O. Box No. 3, Port Talbot, Glam. 2569

RAUGHTSMEN (CIVIL ENGINEERING) required by the Steel Company of Wales Limited (Steel Division), Port Talbot.

Applicants should have some knowledge of either Industrial Architecture and Building Construction or R.C. Structures and General Civil Engineering work.

Higher National Certificate or equivalent desirable.

Higher National Certificate desirable.

Permanent positions are offered to suitable men, with rates varying with age and qualifications up to £675 per annum.

Those interested should send full particulars of age, qualifications, experience, etc., to the Personnel Superintendent, The Steel Company of Wales, Limited, P.O. Box No. 3, Port Talbot, Glam.

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JOINERY: REPRESENTATIVE required to specialize in the sale of Joinery products in scotland and to call on Architects and Local Authorities at the highest level. Applicants must have sound knowledge of modern architecture and building construction and be able to read and prepare working drawings; previous experience in joinery manufacture and selling is also desirable: nitiative, tact and perseverance are essential. Substantial salary, car provided, pension fund, age preferably 30-40. Write stating age, education and experience to 1255, Wm. Porteous & Co., Glasgow. 2664

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A PPLICATIONS are invited for the appointment of CLERK OF WORKS. Salary: According to experience. Contract period: Approximately one year commencing immediately. Job involves supervising in the centre of Glasgow, the modern offices at a cost in excess of ±100.000. Applications together with either copies of two recent testimonials or the names and addresses of two referees must be submitted forthwith.

VACANCY arises for Articled Pupil (Architectural or Building Surveying) in City Firm.

ESTIMATING and SURVEYING ASSISTANT required in Wembley district. Reply in writing stating age and salary required. Box 2571.

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A RCHITECT, own office and car, offers services for Surveys, Working Drawings, Perspectives, etc., in Hants, and Sussex. Write Box 2553.

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A RCHITECTURAL REVIEWS 1896 to 1912.
17 Volumes in good condition. £5. Carriage paid. Box 2660.

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A RCHITECT, 29 school-trained, well qualified, keen, energetic, experienced in contemporary design, requires junior partnership with good prospects, capital and car available. Box 2690.

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M./.A.M.T.P.I. (Prof. Sir Patrick Abercrombie in
assn.), prepare Students by correspondence.
19, Adelaide Street, Strand, W.C.2. TEM. 1603/4.

COURSES for all R.I.B.A. EXAMS. Postal tultion in History, Testimonies, Design, Calculations, Materials, Construction, Structures, Hygiene, Specifications, Professional Practice, etc. Also in general educational subjects.

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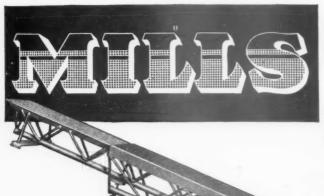


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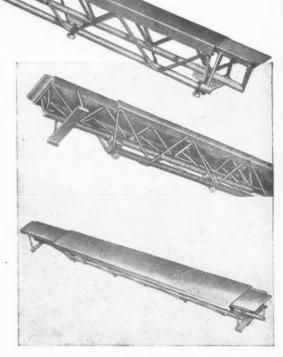
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