

THE ARCHITECTS' JOURNAL

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standard contents

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

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

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, Castle Hill Avenue, Berkhamstead, Herts.	"Dyneley,"
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Welbeck 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-9
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. School of Architecture, Manchester Municipal School of Art, All Saints, Manchester, 15.	Ardwick 3480
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
AScW	Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Welbeck 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 8641/6
BCC	British Colour Council. 28, Sackville Street, W.1.	Regent 3613
BCCF	British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 25, Victoria Street, S.W.1.	Abbey 5422-3
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGC	British Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holborn 8146/7
CAS	County Architects Society. C/o A. Guy Chant, F.R.I.B.A. Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett Herts.	Radlett 5616
CIAD	Central Institute of Art and Design. 41, 42, Dover Street, W.1.	Regent 3074
CIAM	Congrès Internationaux d'Architecture Moderne. Dolderstr., 7. Zurich, Switzerland	
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.	Kensington 8161
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.	Sloane 4280
CUJC	Coal Utilization Joint Council. 13, Grosvenor Gardens, London, S.W.1.	Victoria 1534
DIA	Design and Industries Association. 9, Conduit Street, W.1.	Mayfair 0477
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	Temple Bar 1951
FASSC	Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, Nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 27, Grosvenor Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 3158
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577

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[VOL. 108

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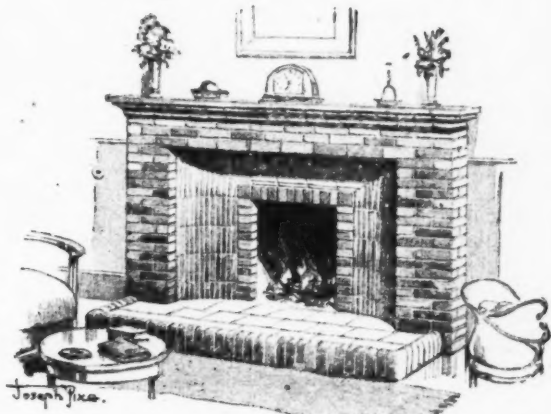
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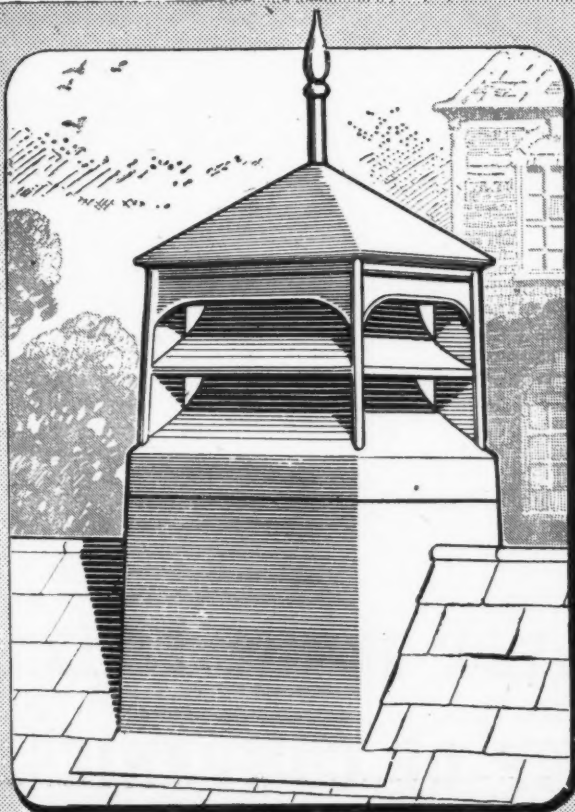
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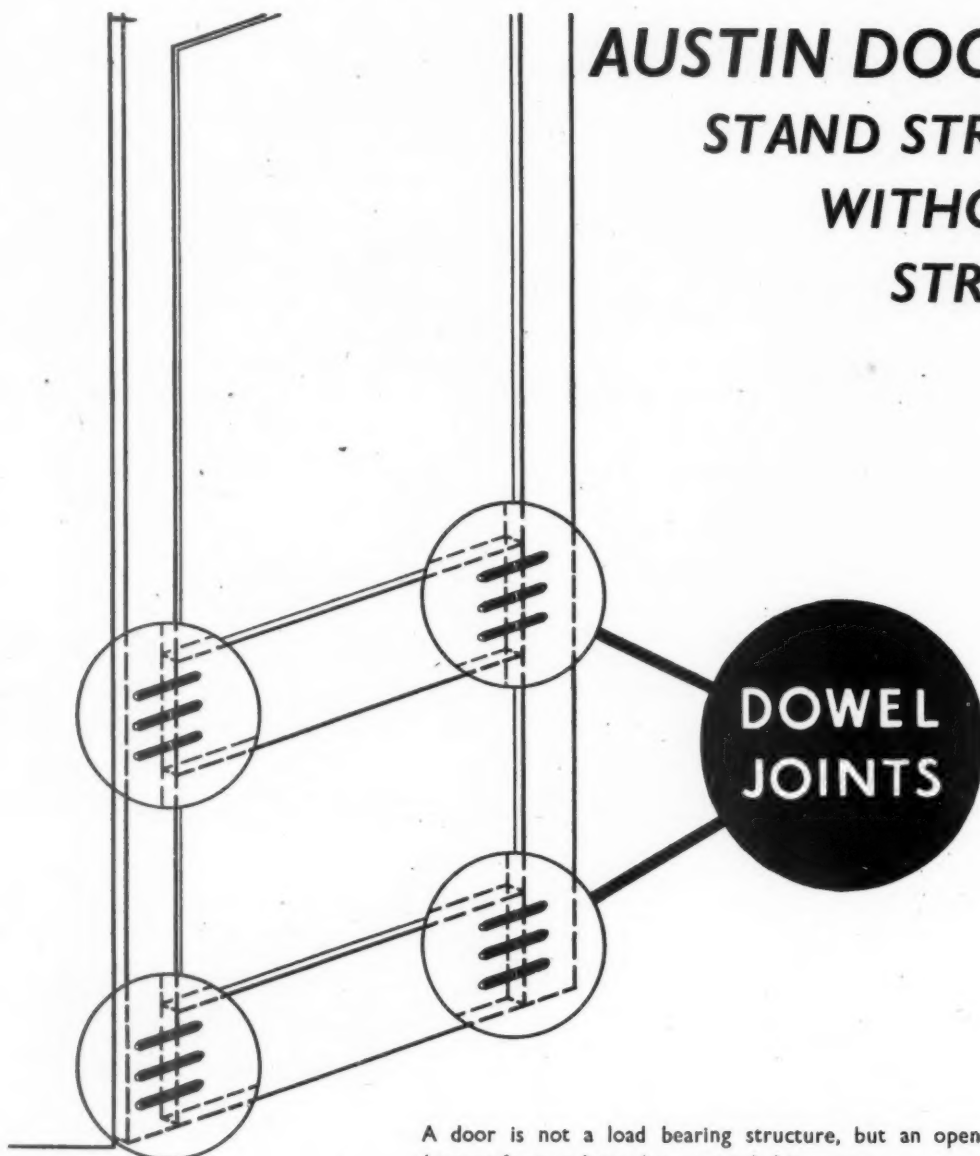
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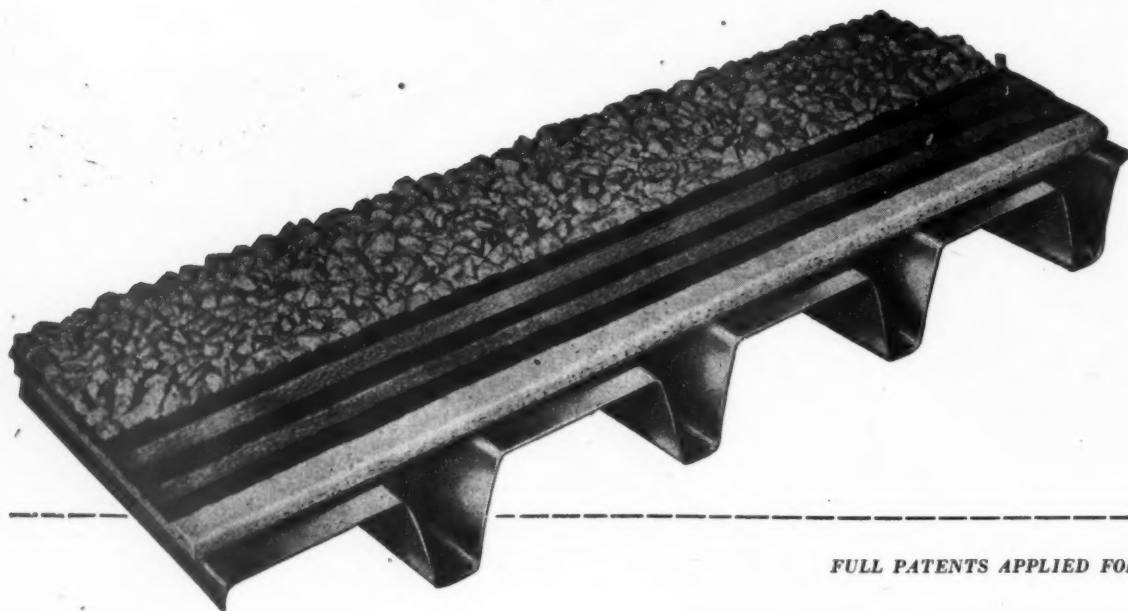
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POTTERY THROUGH THE AGES · NO. 15



Specially drawn by Gordon Nicoll, R.I.

THE FAIENCE POTTERS OF FRANCE

Several Italian Maiolica potters settled in Lyons and other French towns from about 1512 onwards. French potters, at first merely imitative, developed, in the next 200 years, a type of tin-enamelled ware known as *faience*, after Faenza, an Italian maiolica centre. The Nevers polychrome *faience*, owing much to Italian baroque and Chinese inspiration; the more austere blue and white Rouen wares; and the finely-potted *faience* of Moustiers rank among the finest ever made in Europe.

Meanwhile, Bernard Palissy—a 16th century French glass-painter—was striving to produce a ware to equal a bowl (whether of maiolica is uncertain) that had come into his possession. The story of his efforts, in the course of which he was at times reduced to poverty, is one of the most remarkable in the records

of pottery. Once, it is said, he sat up six days and nights watching his kiln and to reach the desired temperature, fed it with fencing, tables, chairs and even floor boards. After fifteen years' experimenting, he managed to produce a ware with an unusually fine polychrome lead glaze. His most characteristic pieces are abundantly modelled in relief, often with grotesque designs of fishes, snakes and frogs. His creations—developed in isolation from the main stream of European ceramic tradition—had little lasting influence on French pottery.

For a long time, French *faience*-makers depended mainly on the custom of the poorer bourgeoisie but when the wars of Louis XIV had left an empty treasury and he and his Court had to send all their gold and silver to the

Mint, there arose a great demand for *faience* tableware. In the latter part of the 18th century, French *faience* made at Vincennes and at Sèvres, under the patronage of Louis XV and Madame de Pompadour, became famous throughout Western Europe. It was beautifully hand-painted with flowers, birds and other designs, and, unlike the earlier *faience*, was decorated with rich enamel colours baked into the opaque white enamel by a second low-temperature firing. Oriental, Dutch and Persian influences were often apparent but a native French style also developed, imbued with characteristic Gallic grace, inventiveness and good taste. In the eastern French *faience* factories, where French and German influences mingled, the peculiar, often disturbing and restless rococo style had a great vogue.

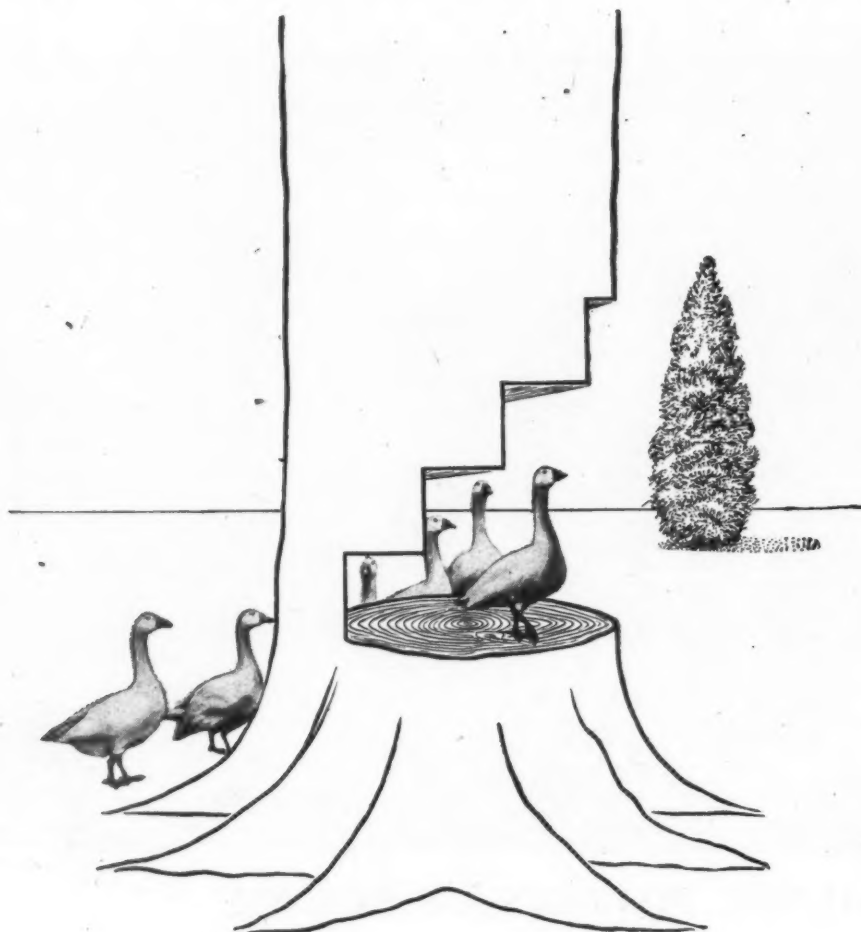


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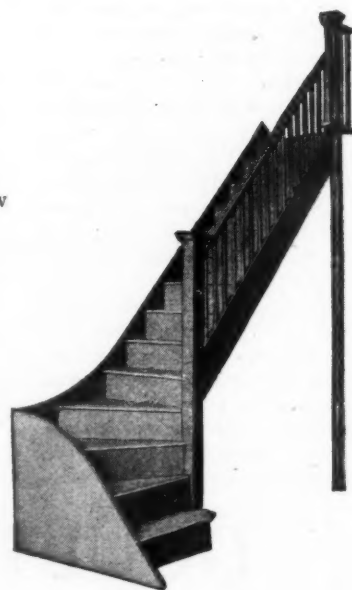
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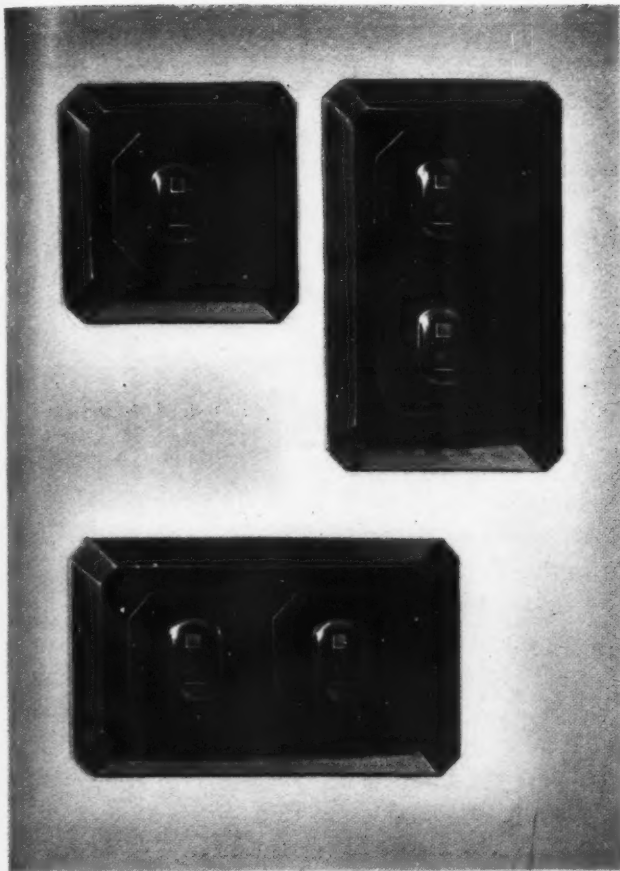
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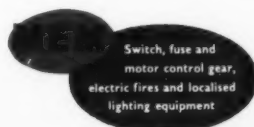
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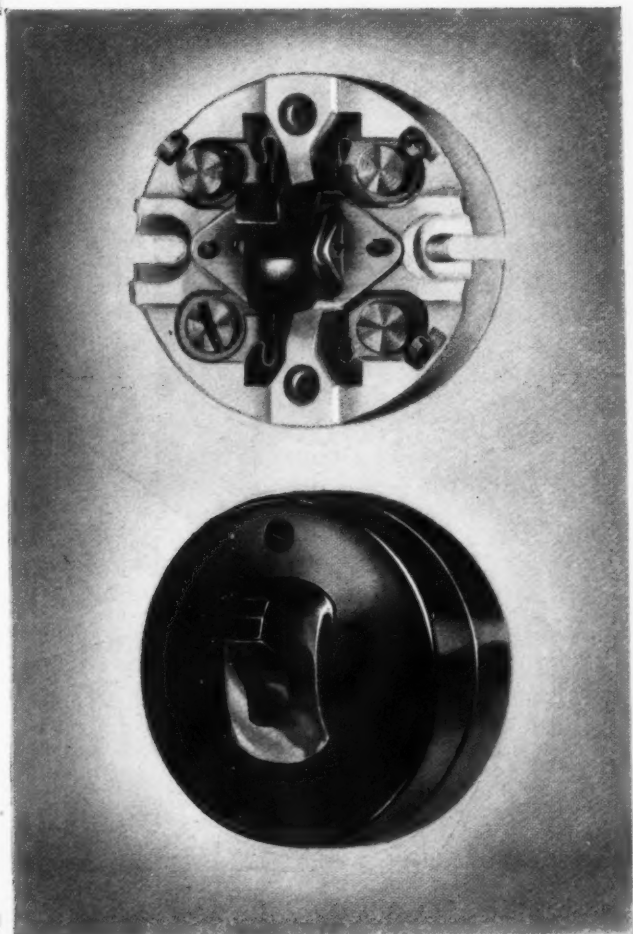
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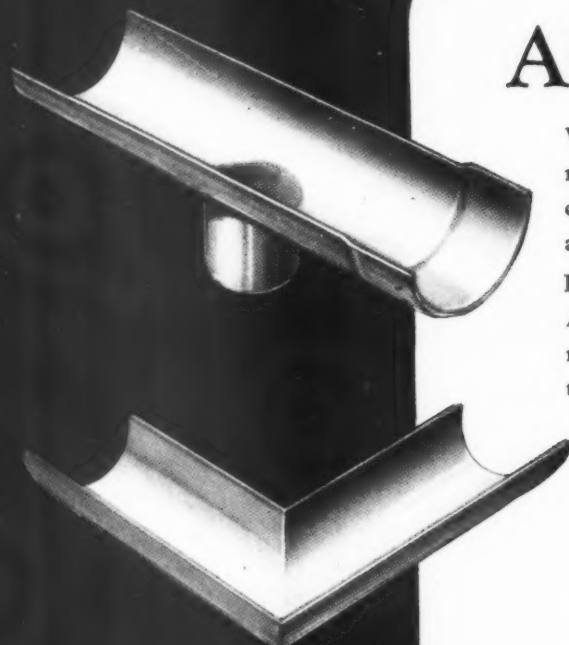
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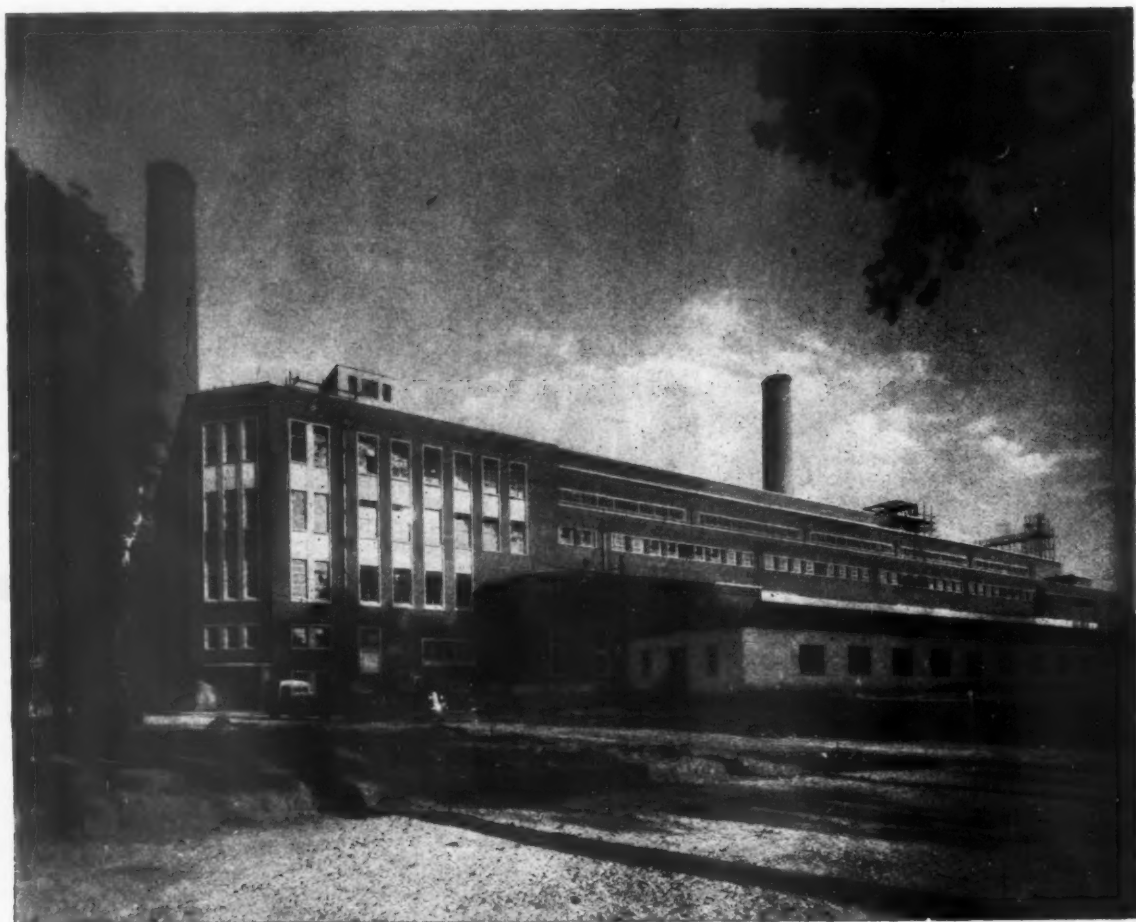
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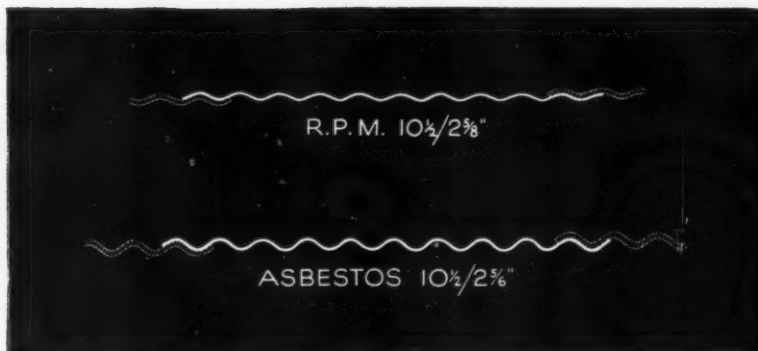
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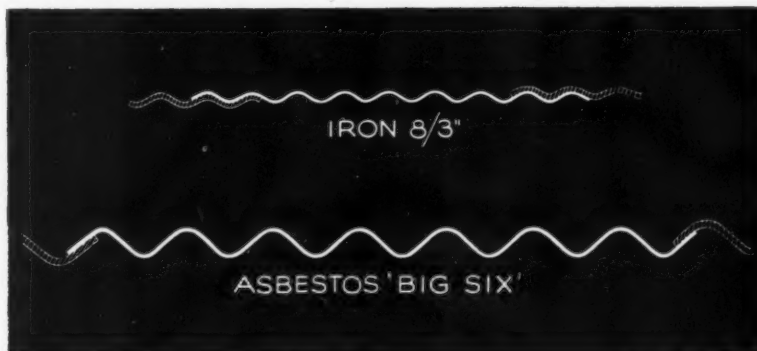
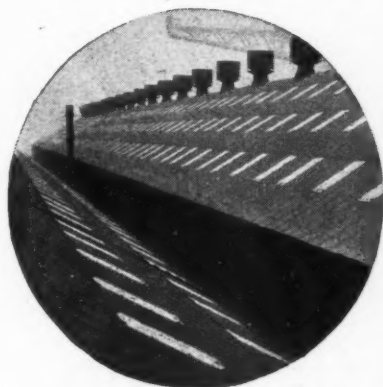
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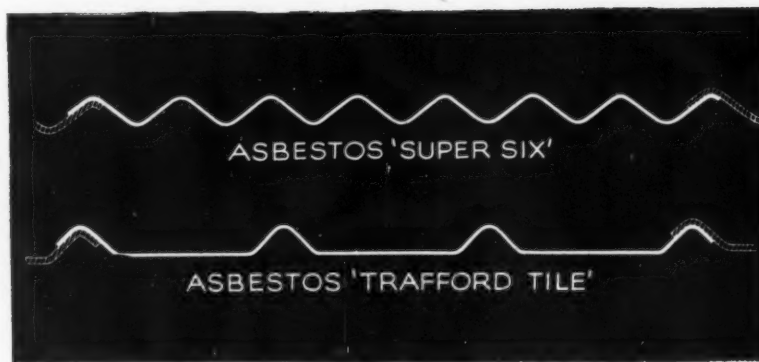
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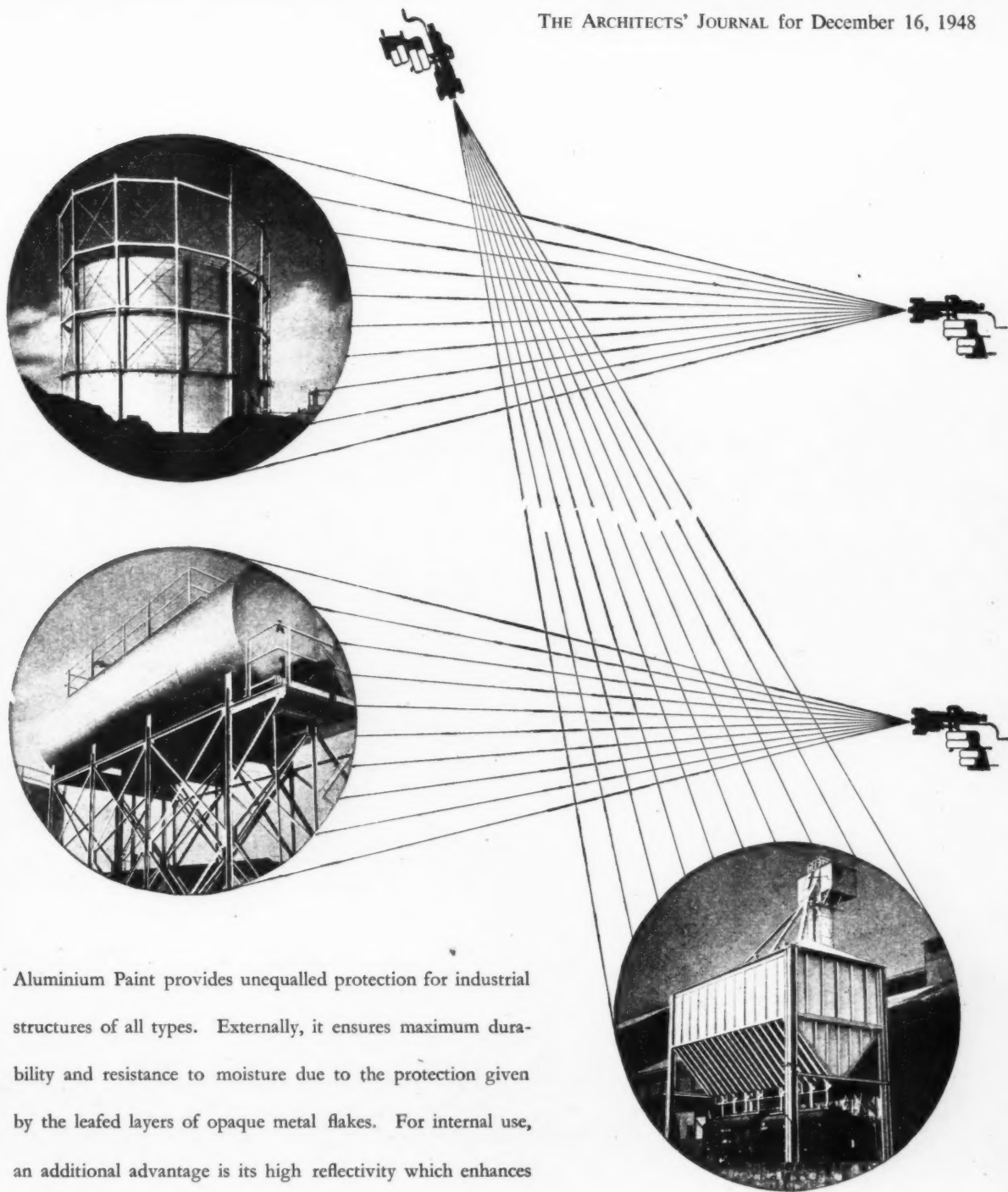
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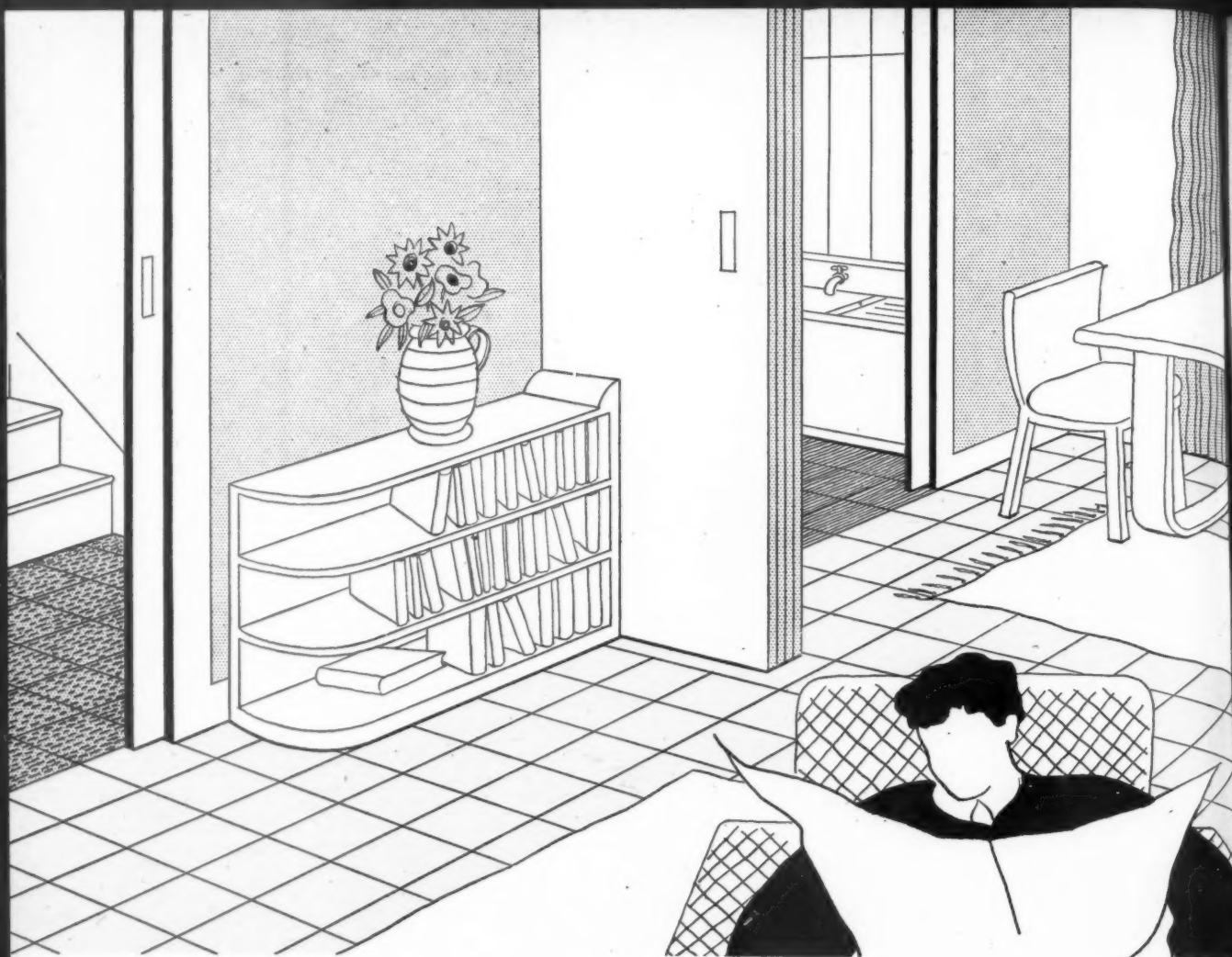
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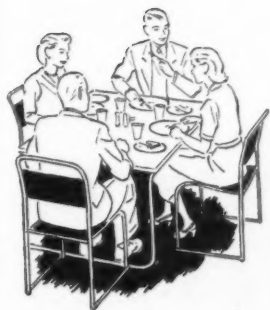
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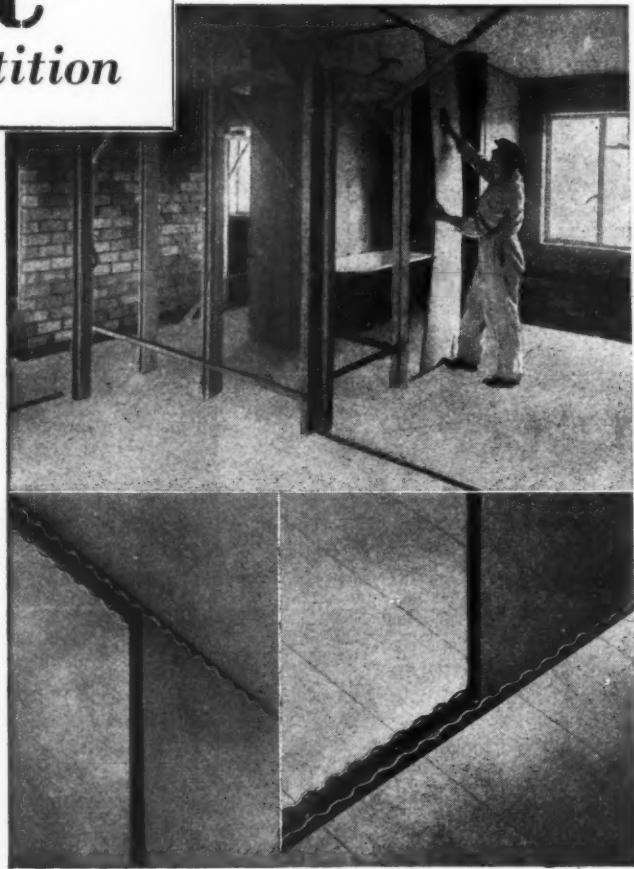
1 No timber is used for the construction of the actual partition. The metal looped box channel ceiling and floor grounds are laid out to correspond with the line of the partitions. The GYPROC planks are easily fixed between these grounds and securely fixed with vertical joint clips.

2 Detail at ceiling, showing looped box channel.

3 Detail at floor, showing looped box channel.

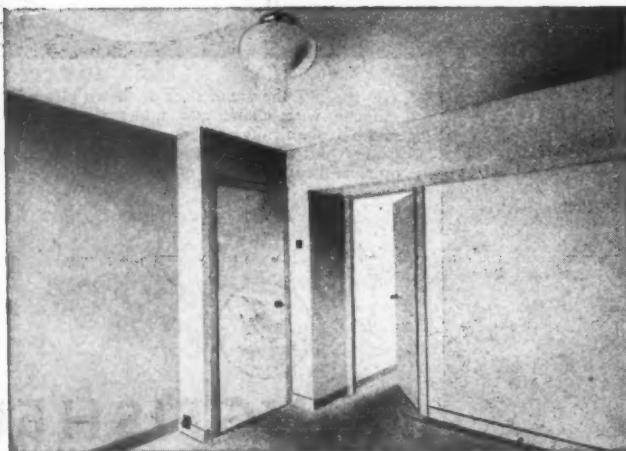
4 View of finished partitions.

The partition consists of $\frac{1}{2}$ -inch GYPROC plank faced both sides with "PARISTONE" plaster, so that the finished overall thickness is 2 inches. Its principal advantages are listed on right.



Ceiling detail.

Floor detail.



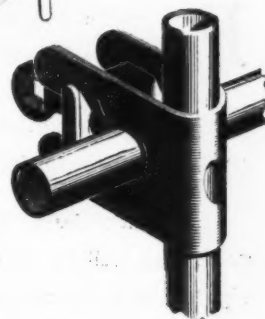
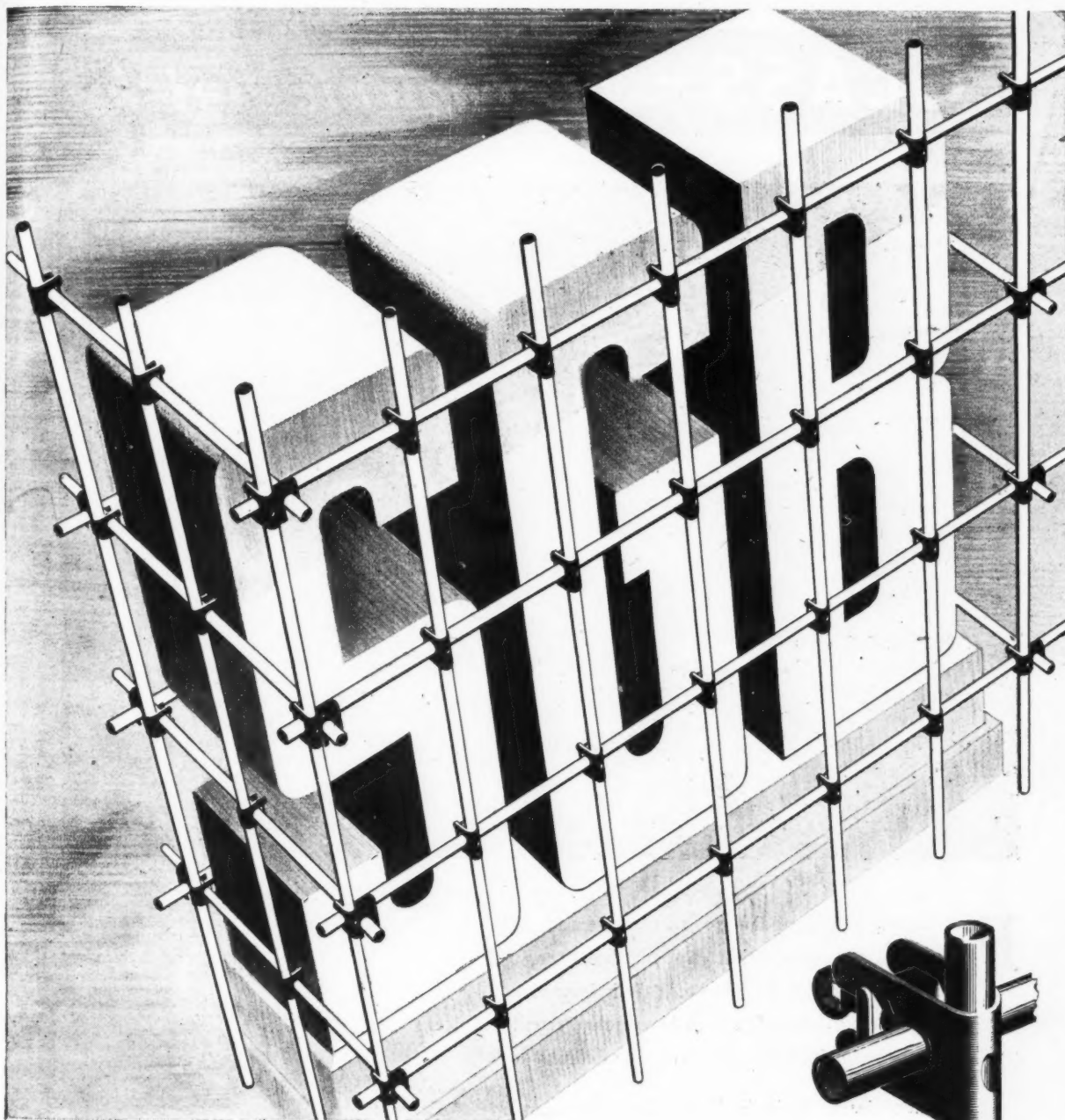
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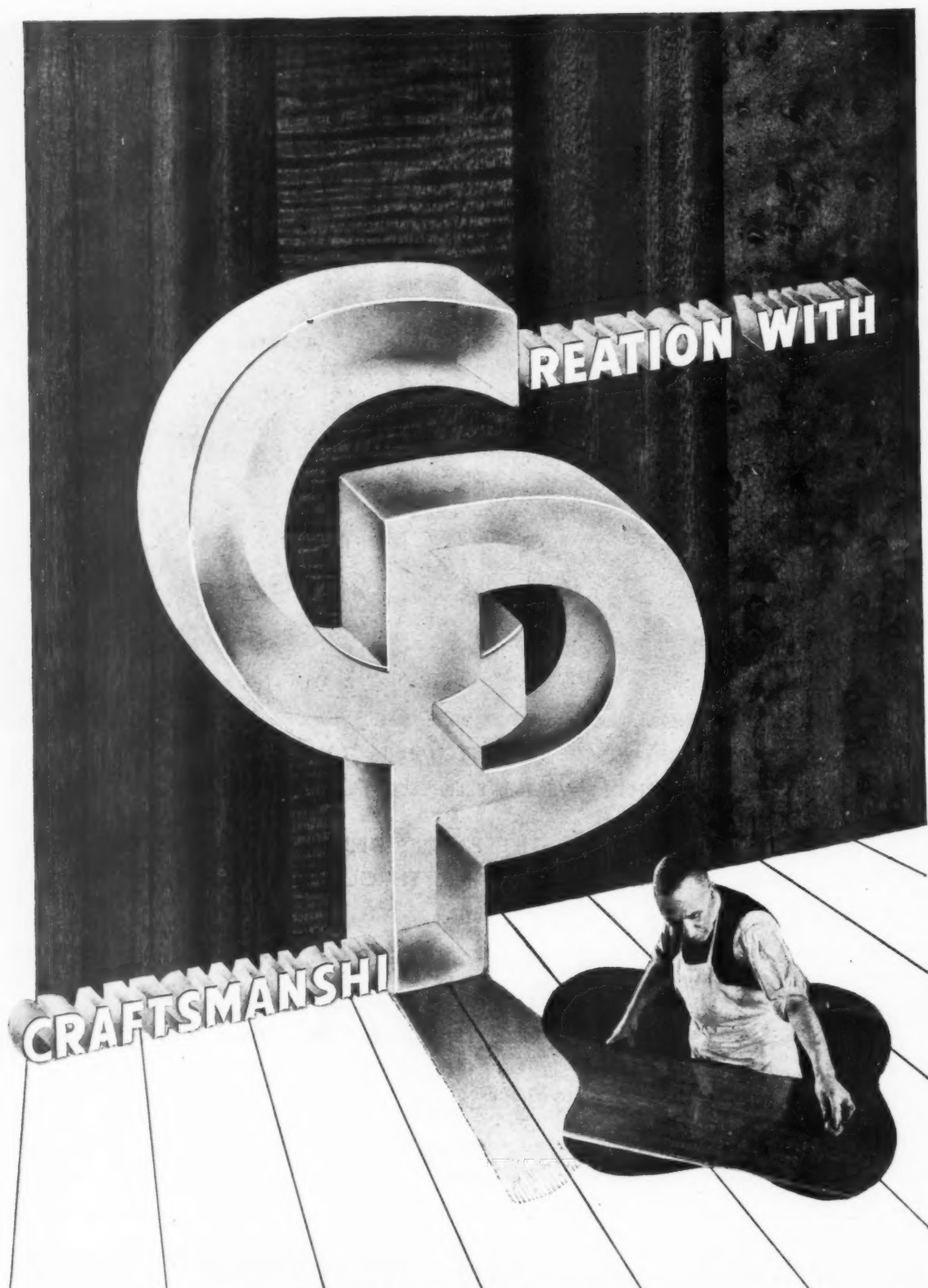
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NEWS

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

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

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

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

DIARY FOR DECEMBER JANUARY AND FEBRUARY

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

GLASGOW. *Exhibition of Premiated Designs for TUC Memorial Building Competition.* At the Scottish Building Centre, 425/427, Sauchiehall Street, Glasgow, C.2. (Sponsor, TUC and SBC.)

UNTIL DEC. 31

LONDON. *Danish Art Exhibition.* At the Victoria and Albert Museum, S.W.7. (Sponsor, Victoria and Albert Museum.)

UNTIL JAN. 2

National Federation of Housing Societies: Arts and Crafts Exhibition. At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.)

UNTIL DEC. 18

Poplar Builds Exhibition. At the Central Public Library, 126, Poplar High Street, E.14. (Sponsor, Poplar Borough Council.)

UNTIL DEC. 18

150 Years of Lithography Exhibition. At the Victoria and Albert Museum, South Kensington.

UNTIL DEC. 31

Building Good Houses Exhibition. At the Science Museum, South Kensington. (Sponsor, BRS.)

UNTIL DEC. 31

Ian Bowen. *Cost of House Building.* At the Housing Centre, 13, Suffolk Street, S.W.1. (Sponsor, HC.) Lunch, 12.45-1.15 p.m., 2s. 6d. Lecture, 1.15-2.15 p.m., 6d.

DEC. 21

A Series of Papers on Industrial Design. Milner Gray. *The Industrial Designer and Consumer Goods.* Jan. 19. Gordon Russell. *The Industrial Designer's Responsibility.* Feb. 2. Robin Darwin. *The Training of the Industrial Designer.* Feb. 16. John Gloag. *British Industrial Design and World Markets.* March 2. At the RSA, John Adam Street, W.C.2. (Sponsor, RSA.) All meetings begin at 2.30 p.m.

Exhibition: 40,000 Years of Modern Art. At the Academy Hall, Oxford Street, W.1. (Sponsor, Institute of Contemporary Art.)

FROM DEC. 21

International Architectural Student Congress. Dec. 30. 11 a.m. Opening by President, RIBA, at the RIBA; 3 p.m. Opening of *International Exhibition of Students' Work* by the President of the AA, at County Hall, Westminster; 5.30 p.m. *British Council Reception for Delegates.* Dec. 31. 10 a.m. John Summerson. *Historic London;* 11.30 a.m. Leo de Syllas. *Modern London;* Afternoon: *First Plenary Session.* Jan. 1. 11 a.m. Talk by the Minister of Works; 12.00, Richard Sheppard. *Prefabrication;* 2 p.m. *Open Debate on Architectural Theory.* Jan. 2. Visits to Bath, Cambridge, Canterbury and Oxford.

Jan. 3. *Town Planning Day.* 10 a.m. Talk by Dame Evelyn Sharp. 11.30 a.m., Max Lock. Talk on his Planning and Survey Group. 2 p.m. B. Lubetkin. *Peterlee New Town.* 4 p.m. *Summing Up* by Arthur Ling. Both these talks will be in the Holborn Town Hall. 5.30 p.m. *Tea Party* at the Building Centre. Jan. 4. 10 a.m. Professor J. D. Bernal. *Technical Progress.* Afternoon: Visits to BRS, the Herts Schools and British Railways Prefabricated Stations. Jan. 5-7. *Sessions at the RIBA.* Jan. 6. *British Council Film Show.* Jan. 8. *Final Session at the RIBA.* Except where otherwise stated, the Congress will meet at the RIBA, 66, Portland Place, W.1.

DEC. 30-JAN. 8

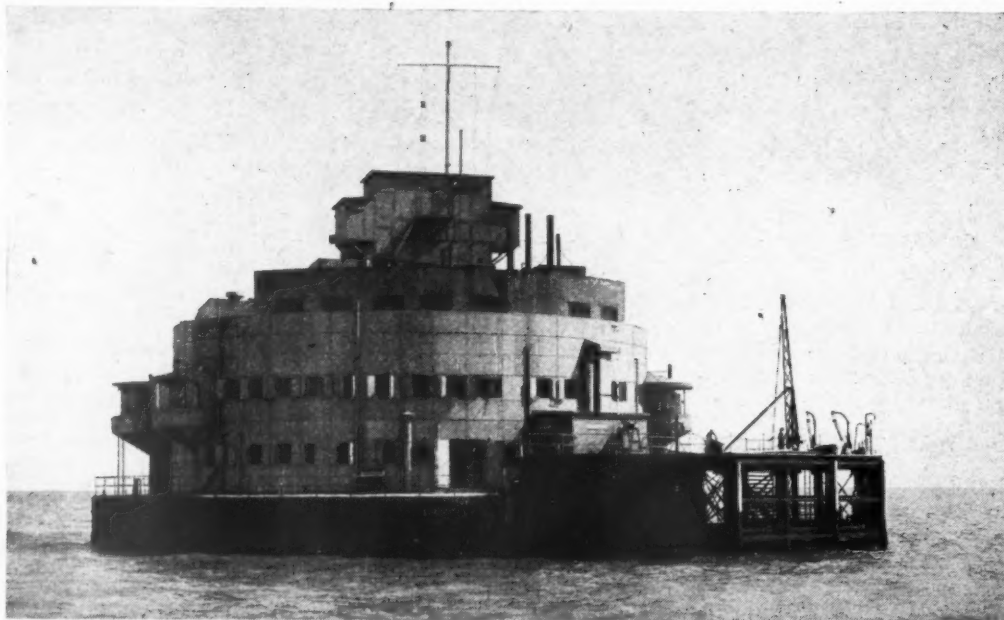
Exhibition of Visual Aids. At the Murray House Exhibition Hall, Vandon Passage, Petty France, S.W.1. (Sponsor, CID.)

JAN. 3-29

MANCHESTER. *Timber as an Engineering Material.* Post Advanced lectures in Building and Civil Engineering. P. O. Reece. *Loads, Designs and Stresses.* Jan. 12: R. T. Walters. *Structural Design.* Jan. 26: F. D. Silvester. *Connections.* Feb. 9: P. O. Reece. *Plywood.* Feb. 23: B. Alwyn Jay. *Posts and Preservation.* March 9: P. O. Reece. *Comparative Efficiency of Timber in Relation to Other Materials.* March 23. At the College of Technology, Manchester. (Sponsors, TDA in collaboration with the Regional Advisory Council for Technical Education.) UNTIL MAR., 1949



The new NAAFI Club at Aldershot was opened recently by the Duke of Gloucester. The architects were Messrs. Joseph.



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From AN ARCHITECT'S Commonplace Book

VILLAGE PLANNING. [From *Sussex*, by Reginald Turnor (Paul Elek).] Where Rye is haphazard and tortuous, Winchelsea is built on an orderly plan. The geometrical lay-out of Edward I's time remains, though nearly all his buildings have disappeared. A square is the essence of the village, with the church dominant in the middle. Only the chancel and side-aisles have survived—indeed it is not known for certain if the nave was ever built, though it seems possible that it may have been destroyed by the French, who three times landed and sacked Edward's new town. So, lovely though the stone's texture is, the building is awkwardly incomplete and not effective enough to be Winchelsea's centre. The interior is very fine, and the tombs of the Alards Gervase, Admiral of the Cinque Ports about 1300, and Stephen, a later admiral—are impressive. But small street building and planning are Winchelsea's chief delights. This, surely, is how villages should be built, and yet never can be again. Only history, luck and a long tradition of craftsmanship could devise such streets. They could not and should not be deliberately copied in our time, and it is our sole and urgent duty, in the realm of the old village, to ensure their preservation.

The Northern Ireland Ministry of Finance has relaxed its CONTROL OF BUILDING MATERIALS.

An order has been issued, the effect of which is to remove control from the following: the production of building bricks, other than cement-concrete building bricks; the distribution of all kinds of bricks; the price of common clay bricks; and the distribution of cement brought into Northern Ireland otherwise than from Great Britain or Eire. Manufacturers of cement-concrete bricks will still require a licence from the Ministry of Finance. Manufacturers of other pre-cast walling units must still obtain a licence. In August last, the informal control of distribution in Northern Ireland of cement produced in the United Kingdom and Eire was ended.

The NFBTE have nominated new officers for the coming year.

At the November Council meeting of the Federation in London it was decided to nominate the Senior Vice-President, Mr. Norman Longley, of Crawley, as President for next year. Mr. R. O. Lloyd, O.B.E., of Liverpool, was nominated as Senior Vice-President, and Mr. W. Horsfall (Yorkshire Region), Councillor S. Hudson (Northern Counties), and Major J. Ian Robertson (Midlands) as Vice-Presidents. Mr. G. W. Buchanan, C.B.E., will again be nominated as Honorary Treasurer. The annual meeting of the National Federation takes place in the Liverpool Victoria Friendly Society Building, Southampton Row, London, on Thursday, January 27.

The Minister of Town and Country Planning has received a deputation from the MANCHESTER CITY CORPORATION.

The deputation brought up the question of possible sites for housing the overspill population from Manchester, and put their point of view, concerning Mobberley, Lymm and Congleton. The Minister undertook to consider their proposals carefully and pointed out that before any decision could be reached there would have to be consultation with other local authorities concerned.

The President of the NFBTE has spoken on the progress of INCENTIVE SCHEMES.

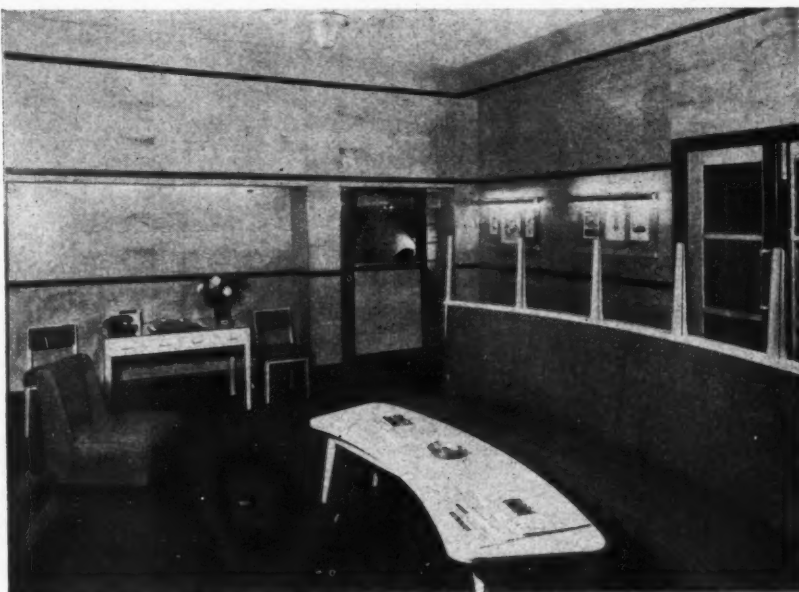
Mr. F. M. Sleeman, who was speaking at the annual dinner of the Birmingham Association of Building Trades Employers,

said that incentive schemes which were authorized a year ago in the building industry by a wage agreement between employers and operatives, were being applied to a steadily increasing number of jobs, and particularly to the building of new houses.

"Last summer," said Mr. Sleeman, "we made a cross-section inquiry into the extent to which incentives were being used. Today all the indications are that the use of incentives is steadily growing. We want to see it grow more quickly, and to help the many medium and smaller builders who are finding it difficult to draw up bonus schemes of their own, we hope very shortly to be able to issue for their guidance model schemes for various types and sizes of jobs based on the experience of those who have adopted schemes which are working satisfactorily. The task of preparing these schemes is now being tackled urgently by a strong Committee of the Federation which is reviewing the many schemes of which details have been supplied."

Mr. Sleeman said that the recent decisions

by the Minister of Works to raise the licensing limit from £100 to £1,000 for buildings such as factories, schools and large blocks of offices, and to abolish the materials priority scheme, would enable the unproductive labour hitherto employed by the Government, Local Authorities, building owners, builders' merchants and builders, in the printing, circulation, filling-up and examination of millions of forms every year, to be diverted to essential work. The builder would then have more time to get on with the job, and increased efficiency and lower costs should follow. While the production of some of the materials concerned was still a little below demand, he was confident that the decisions would prove that controls aggravated shortages. Builders were now looking forward to the promised simplification of the steel and timber controls and ultimately to their abolition. When these controls were removed and the builder was once more free to exercise his initiative to the full, most of the present criticisms of the industry would disappear.



New reception room for Dorland Advertising in Lower Regent Street, London, designed by S. P. Jordan, A.R.I.B.A. The walls are panelled with laminated plastic sheets, faced with grey sycamore veneer; the panels being separated horizontally by strips of the same material faced with black veneer. Skirtings and door architraves are also black veneer. All the external exposed corners such as those round the writing table and enquiry counter recesses are protected from damage by clear extruded plastic angle. The furniture is bleached beech; the hand-woven woollen upholstery, cobalt herring-bone weave on white ground; and the close carpeting is a deep wine colour. The curtains are in wide vertical bands of wine, cobalt and buff. In the wall opposite the writing recess are two similar recesses containing a built-in settee and a door to the general accounts office.



The Modern Flat

In England, before the war, the modern movement in architecture owed much to the study that architects gave to buildings abroad. More recently particular attention has been paid to Sweden, where, largely unaffected by the war, many developments in housing have been carried out. Above is a block of flats on the island of Reimersholme,

near Stockholm. Built in 1945, the flats show typically Swedish trends both in design and landscaping. The illustration is from the book "The Modern Flat," by F. R. S. Yorke and Frederick Gibberd, which, revised and with the addition of many new buildings, has recently been republished by the Architectural Press.

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NEWS IN BRIEF

The death has been announced of Major A. D. S. Rice, C.C., J.P., D.Sc.(Hon.), President in 1933 of the London Master Builders' Association.

Mr. Gordon Russell, C.B.E., M.C., R.D.I., F.S.I.A., Master of the Faculty of Royal Designers for Industry and Director of the Council of Industrial Design, has accepted an invitation to become a member of the Airport Furnishing Committee set up by the Minister of Civil Aviation, to advise on the heating, lighting, decoration and furnishing of passenger buildings at all State-controlled airports.

On the afternoon of Tuesday, December 7, a leather despatch case belonging to Mr. R. J. Rabson, Student R.I.B.A., was lost from the cloak room adjoining the RIBA Library. It contained all his notes on Departmental Stores which he had prepared for the purpose of his Final Design. These papers are of no use to any other person, but are of irreplaceable value to Mr. Rabson, and he will be glad if the finder will return them to him immediately. His address is:—10, Rowhill Mansions, Rowhill Road, Clapton, E.5.



Photograph: Palatine Studios.

Mr. Archibald G. Jury, F.R.I.B.A., F.I.Arb., M.R.San.I., A.I.Struct.E., has been chosen as Director of Housing at a meeting of the Glasgow Corporation. His salary will be £1,700 rising to £2,200 a year. Mr. Jury, who has been Principal Housing Architect at Liverpool, under Sir Lancelot Keay's regime since 1946, is 41 years of age, and was selected from 38 applicants for the Glasgow appointment. Entering the Local Government Service in 1928, Mr. Jury has also held architectural appointments in Middlesbrough, Gravesend and Taunton. During the war he served as a major in the Corps of Royal Engineers and was with the Western Desert Force, 8th Army, and on the staff of the School of Military Engineering. Mr. Jury will be succeeding Dr. Ronald Bradbury who was recently appointed City Architect and Director of Housing, Liverpool, on the retirement of Sir Lancelot Keay. Mr. Jury was one of the finalists for the position Dr. Bradbury now holds.

SPECIAL ROADS

THE Special Roads Bill, which has now been given its second reading, will enable the Ministry of Transport and local highway authorities to prepare for the construction of motorways and other roads reserved for special classes of traffic. By now few people are likely to deny that special roads are the right solution to certain traffic problems or to oppose the granting of powers to build them. This is just as well; for the cause of special roads is likely to have gained no new recruits from the presentation of the Ministry's case last month.

Motorways, even 1,000 miles of them, are a big thing, and as the Government will soon be in more or less direct control of all inland transport it was natural to expect that Mr. Barnes would open his case by explaining, at least in broad terms, how motorways would fit into some coherent plan for transport in general. He did not do so. The JOURNAL does not underestimate the difficulty of planning transport; but that is what the Government have undertaken to do. In any plan for transport, road-rail co-ordination must have a predominant place. There have been some indications that the Government may be moving towards "regional" railway centres at say, 50 to 100 mile intervals, the scrapping of small stations, and the use of road transport for delivery radially from the centres. How do motorways fit into a plan of this kind? For all Mr. Barnes and Mr. Callaghan said in the debate, they do not do so. Nearly all goods on long hauls ought surely to go by rail—speeded up as much as is practicable by road-rail containers. It is not proposed, according to Mr. Callaghan, to allow buses (presumably including coaches) to travel on the motorways. This is a surprise and leaves motorways for private cars, which when petrol is abundant again, may sometimes travel long distances on business and will certainly do so a great deal for pleasure. One has, however, to remember, as far as the next 10 or 15 years are concerned, that our existing classified roads are excellently surfaced and on the whole lightly used, that 60 per cent. of accidents and 9/10ths of congestion occur in urban areas and that much of the pleasure traffic may prefer classified roads to motorways. There is none the less a good case for a limited programme of motorway construction, which is all that is intended, for instance, in places where the route between important industrial areas is poorly served by road and rail. This chiefly occurs across the lines of the main roads and railways radiating from London. No doubt it will be for roads of this kind that preparatory surveys will be made in the next few years. Before any motorways are built, and certainly before existing radials from London are paralleled by new motorways, there will also be time for the Ministry of Transport to consider whether the traffic census has been fully used as a means of forecasting the amount and kinds of traffic that will be attracted to a new road. In planning main road improvements the Ministry has chiefly relied

hitherto on its 16-hour volumetric counts—at points outside urban areas and usually quotes the total for the whole 16 hours. But this is only one of the figures needed. Peak flow, direction, type of traffic and origin and destination of traffic are at least as important, and it is only recently that the Ministry's chilliness towards local traffic censuses has changed to cool and conditional approval. After all, each motorway is to cost about £150,000 a mile and it is a big traffic census that costs more than £1,000. A dozen linked censuses along the route of a proposed motorway might well do more towards improving our roads than the actual construction of several new motorways. They might show for instance that although a third of the traffic approaching a town is bye-passable, the diversion of this third would only reduce traffic passing through the centre of the town by 2 or 3 per cent. They might show that even when a bye-pass is available drivers of what would commonly be called "through" vehicles often go into the centre of a town, either to see the cathedral as they go by or because one of the few agents from which they can draw fuel oil has his depot in the centre. They might show that there is a case for special roads for cyclists and pedestrians within urban areas as well as in the holiday areas mentioned in the debate.

The Ministry has plenty of time. It will be several years before work starts on a motorway, and by that time the public will expect to have been told how motorways fit into a reasoned road-rail policy, and exactly what traffic is likely to use each motor length of each motorway, and why.



The Architects' Journal

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Phone: Whitehall 0611

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

THE O'RORKE LINE

We've most of us got pretty tired during the last ten years of hearing people compare modern architecture with the external appearance of ships. Yet goodness knows it is still a rare enough

experience to find a ship's interior designed with all the elegance and precision of a good modern building. Denmark, Sweden, Italy, and Holland, it's true, can all boast of release from the sad nautical tyranny of squeezed walnut and moulded glass but, though recent Channel steamers have shown a welcome improvement, only one steamship company in England—the Orient Line—has so far had the courage to express its trust in contemporary design.

The *Orion*—first of Mr. O'Rorke's commissions—was an experiment which proved a great success. Her external appearance (one funnel and one mast) was later widely imitated, but not alas the simplicity of her interior. "All right for Australians," so presumably ran the argument in shipping circles, "but for the Atlantic trade it's *simply not good enough*" (hence the ridiculous magnificence of the "Queens"). The *Orcades*, next in the fleet, today lies with nine torpedoes in her belly somewhere off Africa. Her

successor, of the same name, sailed last Tuesday on her maiden voyage.

*

I visited her at Tilbury a day or two before she left. From the railway her tripod mast, cantilevered bridge and unusually set funnel, with the golden harp upon its raking plinth, distinguished her at once from her neighbours. An army of workmen, officials, dockers, charwomen, furnishers, painters, carpenters and electricians swarmed in and out, over and through her. Bowler hats, caps, berets, uniform caps, bobbed along the corridors, poked through port-holes, disappeared down hatchways, nodded beneath gratings. Camera lights flashed, hammers rang, paint-brushes slapped, pencil stubs were sucked. Up the gangway a human chain passed five hundred plastic chamber-pots from hand to hand. In the purser's office somebody (obviously a stickler for accuracy) crossed out "30,000 tons" on the ship's plan and wrote in "28,000 tons." In the tourist saloon a carpenter searched a dust pan for three treasured grub screws swept up by a zealous charwoman. Everywhere rang the cry, "Have you seen Mr. O'Rorke?"—and Mr. O'Rorke was everywhere.

*

Beneath all this activity *Orcades* lay, humming quietly to herself like a huge mastiff comfortably irritated by a litter of puppies. As to the design of the cabins and public rooms, it is everywhere of expected excellence. What may be termed O'Rorke's drift has always been in the direction of a crisp simplicity, but in this ship he and his team of collaborating designers have tried to create what I can only call a "domestic" atmosphere—informal, friendly, unassuming—like the nicest sort of country house. How well they have succeeded the photographs and drawings shortly to be published will triumphantly show. Particularly successful is the first-class lounge with its Bawden mural, its array of admirably selected pictures, and its rose-and-green carpet designed by John Hutton—a worthy successor to the rosy-fingered Dorn. Spender, Barbara Jones, Scarfe, Tunnard and Rowntree have all contributed characteristic decorations—indeed, the only familiar face I missed was that of the gentleman,

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A narrow boat on the Grand Union Canal. On the doors can be seen the traditional roses and castles of the canal boats, now threatened by nationalization. The canals are discussed by Astragal this week with an architect who toured the waterways last summer, recording with a camera the buildings and the life to be seen on them. This is one of the photographs he took on the journey.

closely resembling Sir Cedric Hardwicke, who for the last fifty years has been demonstrating to voyagers in a series of photographs the etiquette of the lifebelt.

Other successes were, I thought, the tavern overlooking the swimming-pool (beside which hung a notice, "Diving is Dangerous"—a fact I've long suspected), the bamboo-lined café, the library, and the main staircases. Mr. O'Rourke, his fellow designers, and Mr. Colin Anderson (of the Orient Line) are to be congratulated upon another triumph . . . *Orion* . . . *Orcades I* and *II*. Surely his next one should be "R.M.S. O'Rourke"?

COLOUR ON THE CUT

Returned recently from a four months' journey on the English canals in a converted army pontoon is ARIBA Eric de Maré. It was a working holiday, he told me, during which he recorded with his camera the little-known buildings

and life which goes on along the 600 miles of waterway which he traversed from Oxford to Llangollen and back to the Thames at Brentford.

"A fascinating journey," he said, "largely inspired by reading L. T. C. Rolt's 'Narrow Boat.' On the canals one really does escape into a strangely isolated and remote world where life still continues very much as it did during the great Canal Age of over a century ago. The only difference between now and then is the reduction in traffic, the use of the diesel engine rather than the horse and the general atmosphere of decay and neglect."

I asked him if he thought the canals had any future. His eyes lit up with a fanatical gleam and he was off on his hobby horse. "Of course they have, or *should* have. The whole lot needs thorough reconstruction and dredging. If brought up to date they could pro-

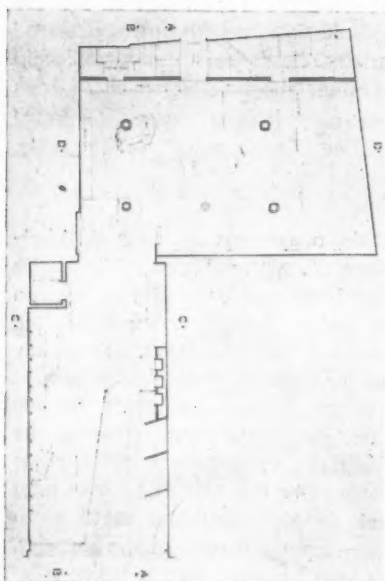
vide a really useful, cheap and rapid means of transport, especially for coal. Now that most of the canals have been nationalised, it should be possible to deal with them as a whole and as part of a comprehensive transport scheme. They could be used a good deal more than they are for pleasure boating, too."

"So far no general plan has come out of the Docks and Inland Waterways Executive. One definite action taken since nationalization is a depressing one and concerns the narrow boats. The Grand Union Canal Carrying Company, as a subsidiary of the Grand Union Canal Company, has been taken over with all its boats; other boats have been nationalized. The national carrying company works under the title, British Waterways. In the old days before the monopolistic trend set in, the boaters used to own their own craft. They took enormous pride in them and decorated them lavishly with brightly coloured roses, landscapes with castles, diamond patterns, clover leaves, hearts, splendid ropework and brasses, which Barbara Jones so well described and illustrated in *The Architectural Review* some months ago."

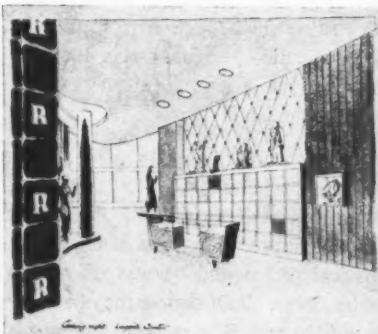
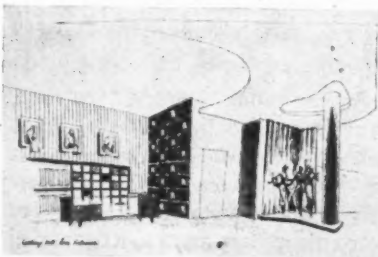
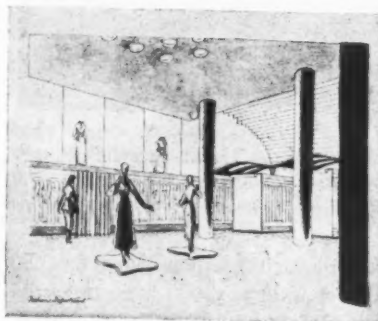
"No one seems to know definitely where this art originated. The castles often have an Eastern flavour; you can see onion domes, for instance, in many of the landscapes. Some say that the tradition came with the gypsies from the Carpathians, others that the main inspiration was provided by Victorian oleographs of Windsor Castle. One theory is that it goes right back to Norman times, the Eastern touch arriving by way of the crusades. My own tentative theory, which is as good a guess as any, is that it came with the Venetian boat-builders who worked in this country at one time. Now there are very few men left in the country who carry on the craft and it is in danger of dying out."

"The first step the British Waterways are taking is to kill this delightful tradition. They are painting all the boats a uniform and undecorated dark blue and yellow as an uninspired 'experiment.' If things go on in this way England is liable to lose its one remaining folk art."

ASTRAGAL



Messrs. Bronck Katz and R. Vaughan have been placed first by the assessor, E. Maxwell Fry, in a limited competition for the design of a women's dress shop in Regent Street. Top, the shop front, and above left the plan. Right, three sketches of the interior: top, the fashion department in the main sales area; centre: looking left from the entrance; bottom: the lingerie counter. In his report Maxwell Fry commends the deeply recessed front, inviting entry, and the merging of window and interior display. He considers the arrangement of fitting rooms and front and main sales areas well planned and economical. Brian Peake's design was placed second, and a design by George Fairweather and R. Furneaux Jordan was third.



WINNING DESIGN FOR REGENT STREET SHOP

LETTERS

Nikolaus Pevsner

North Wilts Church Magazine

SIR,—I was delighted to read Astragal's appreciation of the cover of the North Wilts Church Magazine. May I add, however, one word about its ingenious and lovable designer. He was Canon Bertrand Pleydell Bouverie, who died in 1926, aged eighty-one. In 1880, he became Rector of Pewsey, in 1887, Rural Dean. At Pewsey the reredos contains three painted panels, and four carved figures of the Evangelists by him. He also carved the organ screen, the sounding board of the pulpit, and the font cover.

For the children of the Parish he completed a special Service Book, and the children no doubt will also have liked his cover of the Church Magazine as much as the adults. The sources of its pretty and nimble style are the admirable book illustrators of Germany in the first half of the nineteenth century. Prince Albert knew, no doubt, of their art; its most successful representative in England was Maclise.

N. PEVSNER.

IN PARLIAMENT

The Minister of Works, Mr. C. W. Key, was closely questioned in the Commons about the report of the committee of inquiry into the organization and distribution of building materials and components.

He was asked by Mr. F. E. Jones (Lab.—Plaistow) what had been the result of his discussions with representatives of the manufacturers and distributors of building materials and components in regard to the committee's report, and whether the Government would now implement the committee's recommendation for immediate action by the Government to control distributors' margins on materials and components.

Mr. Key replied: "Since engaging in these discussions I have been notified of reductions in the prices of a number of materials and components. Control is being exercised over margins in a number of the more important cases by the fixing of maximum prices to the user and in other cases by the operation of the Goods and Services (Price Control) Orders."

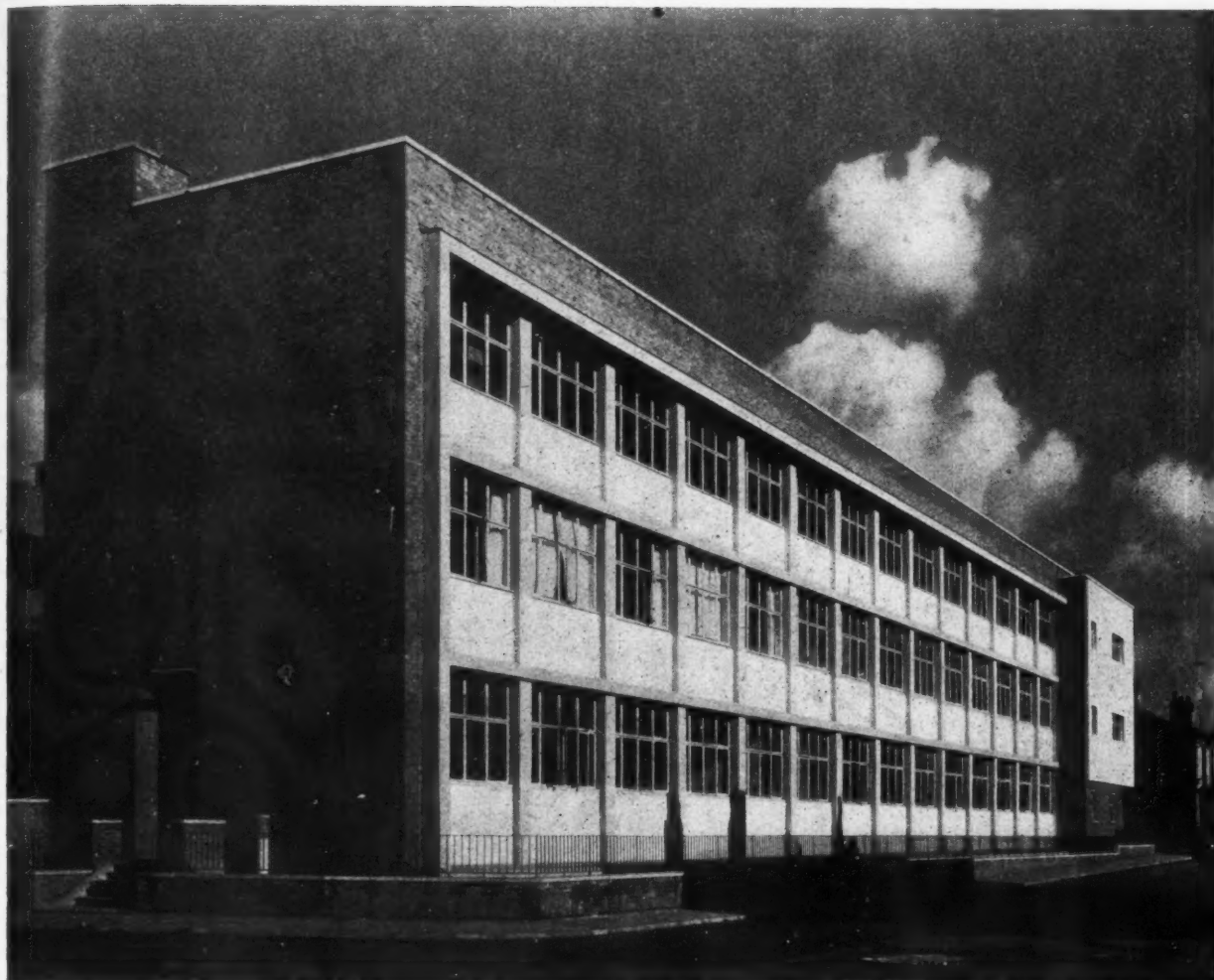
Mr. Jones: "Are you satisfied that your power of control is adequate to deal with the problem referred to in the question?"

Mr. Key: "Yes, sir. I think the way in which this is working will prove that it is adequate."

Mr. J. Platts-Mills (Ind.—Finsbury) asked the Minister of Town and Country Planning if he would give a list of the neighbourhood areas which had been constructed, and those which were in process of construction, in accordance with the principles recommended in the Abercrombie Plan for Greater London.

Mr. Silkin replied that all new development in the Greater London area was being carried out in accordance with the principles of community planning and the density standards recommended in the Abercrombie Plan.

In present circumstances, however, with the emphasis necessarily on housing, no complete neighbourhood unit had yet been constructed. The main areas at present under construction were quasi-satellites at Harold Hill, Hainault, Debden, Oxhey, St. Pauls Cray and Addington, and war damaged areas in West Ham, Stepney and Poplar. In addition, site preparation on one neighbourhood unit was in hand in each of the new towns at Hemel Hempstead, Harlow and Crawley.

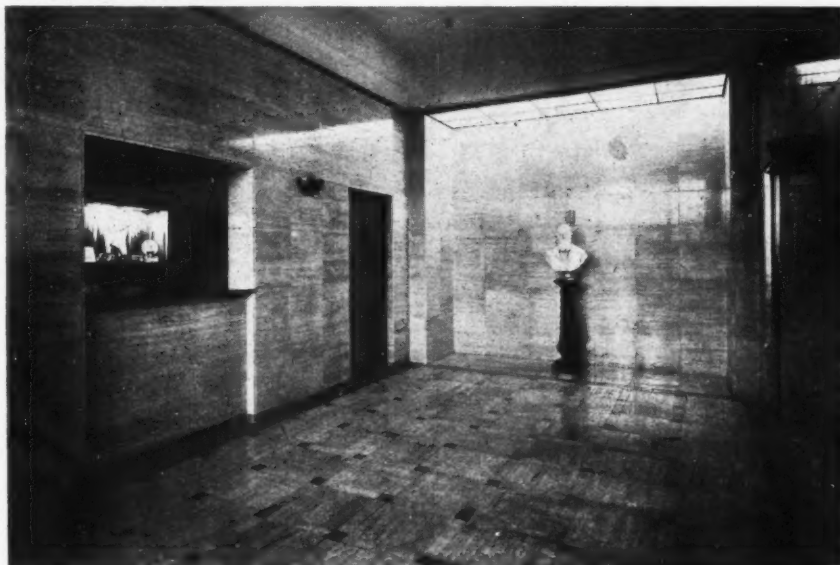


From the south-west.

FACTORY AT ST. HELENS, LANCS.

DESIGNED BY WILLIAM & J. BASIL ELLIS

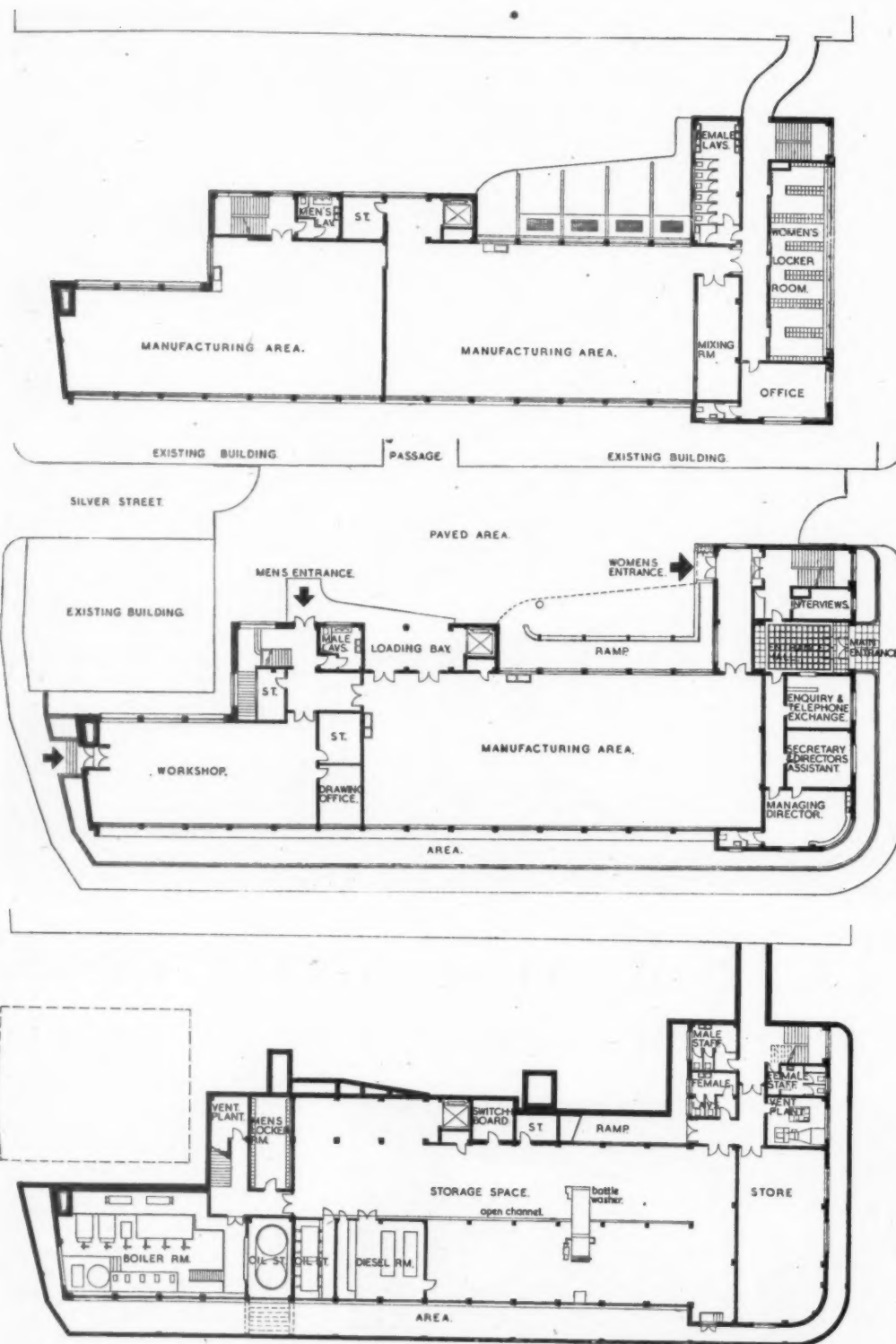
Below, the entrance hall.



GENERAL.—This is an addition to a factory.

SITE.—This was an island site surrounded by highways. In order to link up the new factory with the existing factory it was necessary to close one of the highways. The site was free with the exception of an old bakehouse in the north-west corner of the site which had to be circumvented and made it impossible to link up the new factory with the old on the west side.

PLAN.—The clients were most anxious to have all manufacturing areas designed with the maximum area of glass on the south side and free of all exposed service pipes in order to reduce dust pockets to a minimum. The internal walls in the manufacturing areas are non-structural panel walls and may be moved if subsequent production



FIRST FLOOR PLAN

The second floor plan is similar except that the office becomes a rest room, and there is no wall between the manufacturing areas.

GROUND FLOOR PLAN

BASEMENT PLAN
(Scale: 1/4" = 1'0")

processes should demand it. The ground floor office block is divided from manufacturing area by 16-in. cavity wall filled with fibre glass to reduce the transmission of sound.

CONSTRUCTION.—The building

is steel-framed with panel walls faced in part with terrazzo slabs. The roof is covered with graduated hollow tiles to give fall, screeded over and finished with three layers of bitumen felt on 2-in. cork. All manufacturing area floors have been designed to take a super-

imposed load of 3-4 cwt. per ft. sup. with provision for bolting down machines in any position.

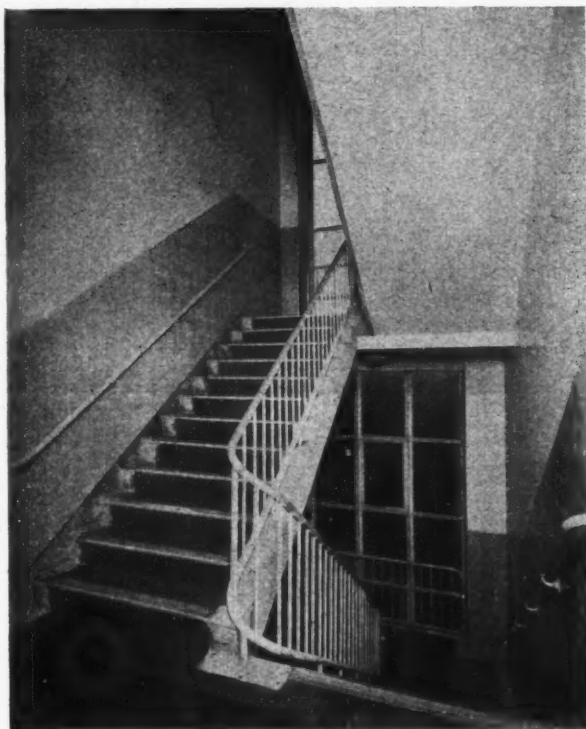
INTERNAL FINISHES.—In the manufacturing area the walls have been finished with tiled dadoes and plaster over. The basement,

ground floor and second floor have been covered with a red oil-resisting mastic asphalt, laid to a thickness of $1\frac{1}{2}$ in. The first floor is covered with an acid-resisting mastic asphalt. Asphalt was also used for tanking the deep heating chamber. The staircases have been finished with tiles and white ferrodo nosings. The entrance hall has been finished with travertine on floor and walls. Office floors are of rubber. In the managing director's office the walls have been panelled in Australian walnut. The walls in the lavatory block have been tiled up to 7 ft. and floors finished in terrazzo.

SERVICES.—A horizontal duct circulates the basement with access manholes. A vertical duct is provided adjacent to the lift. All services which include domestic supply, central heating, sprinkler installation, telephones, rediffusion, are concealed in the floors and walls. Individual lockers are provided in cloakrooms which are fed with hot air.

The general contractor was J. Yearsley & Sons, Ltd. For list of sub-contractors, see page 566.

Right, the connecting link between the old and new buildings, and below right, the interior of the connecting link. Below left, the main staircase.



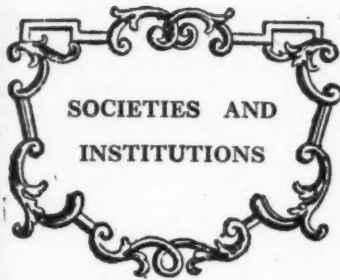
B Y W I L L I A M & J . B A S I L E L L I S



Above, the entrance front, below right, the second floor manufacturing area. Extreme right, the ramp to the basement.



FACTORY AT ST. HELENS, LANCS.



Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes professional societies, trade associations and government departments. To save space they are represented by their initials—see front cover. Lectures cannot usually be reported in full, but the extracts given are in the speaker's own words.

AA

Gordon Brown

November 24. A NEW FORM OF ARCHITECTURAL EDUCATION. A paper read at an Ordinary General Meeting of the AA at 34-36, Bedford Square, W.C.1. Mr. R. E. Enthoven was in the chair.

Gordon Brown: The paper which I am to read this evening is a personal expression of opinion and not the announcement of an AA policy. I intend to try to show that there is need today for a new form of architectural education, not something which can be achieved by the schools alone, but something which requires action by the profession as a whole. There is, I think, a confusion of aims and of standards in architectural education generally. The curriculum of most schools is crowded, and yet we have a constant demand for the inclusion of new subjects and new techniques, many of the latter requiring still further subjects to which they can be applied. Meanwhile, the relationship of the architect to society, to planning, industrial design and landscape architecture is still undefined. These are matters on which the schools must receive guidance. They cannot be expected to formulate the policy of the profession.

Architectural education generally is like a great pink, cream and chromium bus which I saw in the Highlands of Scotland last summer. It drew up at the side of a road overlooking a stream. No one got out. Two minutes passed and the bus moved on. Across the back of it were the words: "Highland Tours." Is this not like architectural education today? A tour of the Highlands in a great pink pill. Inside is the same detached, other-world atmosphere and someone shouting: "Yon's the braes of Abernethy," or "Spatial Relations," depending on which bus you are using. Nobody gets out and fishes in the streams,

or swims, or climbs the high bank on the far side. It is not experience which they gain, these tourists, it is the superficial knowledge of a great number of things.

As I am setting the stage for the discussion tonight, I should like to suggest that we approach the matter by trying to consider education in relation to the following factors:—1. Our conception of the education of the architect—not simply education in the schools, but from the cradle to the grave. 2. Aims of the architectural schools. 3. Environment. 4. Teaching Methods. 5. Quality of Intake. 6. Time. 7. Money.

What is it that we are trying to produce? Is it not the creation of the new physical environment in which we are to live? If we accept that view, we shall have one conception of the education of an architect. Many people tell me we are not doing this and that we are really producing assistants. I think that we are doing the former. One educates architects and one trains assistants; two very different processes.

We suffer from the lack of an overall conception of education in the profession. This results in our having to try to do everything in five years and within the school. Everyone will deny that this happens in their particular school, but I believe that it is true and that it will continue as long as there is no form of post-graduate education, formal or informal. That we are trying to cover too much ground is borne out by the fact that since the late war there has been an RIBA programme for a major prize, requiring the student to design three theatres, a restaurant, and a library in six weeks. Half-inch details were required. No help was allowed. This task would be beyond the capacity of the average qualified and experienced architect. Is this our conception of architectural education, the cultivation of no more than a superficial prize-winning technique?

AIMS

At present the standards aimed at in most schools, including the AA, are too closely related to what might be described as a sawn-off Beaux Arts system. The columns have been cut off one end and the great prizes have fallen off the other. The trunk remains; a modern look has been imparted after death by a series of expert cosmeticians. The weight of the fourth and fifth year subjects was originally a lead up to the great prize design of, say, a group of towns on a rocky base. The big subject is something which should have been revised long ago. The revision should have taken place when the AA did away with the idea of sticking to one's original sketch design. The esquisse technique was almost the only way in which the big subjects could be done in the time allowed. The esquisse idea was scrapped because it was unreal; the greater unreality survived.

If we scrap the idea of the big subject as an end in itself, what remains? I suggest that what remains is the opportunity to allow students to complete designs for smaller buildings of good quality, requiring imagination. Better work would result, and we should have a basis on which student ability could be judged. The retention of a limited number of larger subjects, as exercises in imagination and analysis, would be excellent.

Have we any aims besides those of education, and standards? Many people feel that town planners should be trained in the architectural schools; Mr. Waterhouse said so in this building a month ago. What then are our aims concerning education in subjects like planning and industrial design? I intend to deal with these matters at a later stage in my master plan.

ENVIRONMENT

It is unnecessary to point out that environment plays a very important part in the

development of the young architect. But I am certain that its value is still grossly underestimated. I think that all of us in the school here in these three Georgian houses have felt how much we have gained by being in these buildings and in this part of London, but I do not think that the older members realise how limited are the student's abilities to make use of his environment. In our day, even the poorest of us could afford to go to concerts, the ballet and so on, but today financial hardship will force the schools to leave the student far less to do for himself. People say, "When I was here I did this and that for myself; I do not think that we should spoon-feed these people." The answer is, probably, "You had more money."

It is no use saying that a student is lucky to be in London, where he can go to ballet and to concerts, if he has not enough money to take a bus to the AA on a wet morning. It goes without further explanation that few of these students can afford to get into the country. I think that their environment is unbalanced. I fail to see how anyone can maintain that a modern architect should be trained in entirely urban surroundings with an entirely urban environment. I would therefore plead for consideration of the establishment of a country school as part of the AA. My view is that there is nothing very radical in this idea. It is simply a way of ensuring that the student has the advantages of living in and understanding a fine piece of landscape and of understanding social and building conditions in a rural area. A large number of our students will eventually build in rural areas, and to live and complete the whole of one's training in London is, in the circumstances, like trying to learn farming in an office.

OFFICES AND ENVIRONMENT

Before the war it was sometimes difficult to get students to go into offices during the vacation. Now there are difficulties on both sides. I think that we should seriously consider the lack of reality which results from students being completely divorced from office experience until fairly late in the course. We have here an Association of architects, many of them in London, and I should like to see every student become attached to an office on the same day that he starts at the AA. I think we could, as an Association, work such an arrangement. The student should be bound to give a month's work in every year to that office, without payment. In return, he should be allowed to have access to the office at all times, and to the jobs in course of construction. In the first two years he would be a liability, but after that he would be an increasing asset. Students should be attached to public as well as private offices. The scheme could not be put into action in one operation, but should be a gradual development, commencing with one complete year.

OTHER ARTS

Contact with the other arts is something which also comes under the heading of environment, as well as under method. What are we going to do to ensure that something more than lip service is paid to this side of the students' education? I believe that the way to do this is to establish the country school in conjunction with the Royal College of Art and perhaps one or two other schools in London. In this way students would really get to know and understand the point of view of those engaged in the other arts. The scheme could be mutually beneficial. We could also have there the nucleus of a University of the Arts. I feel that in the long run the establishment of something of this kind is inevitable. I do not know whether "university" is quite the right word, but I feel that a loose grouping of the great design schools in London, with some place

where they can work together for at least part of the year while retaining their London location, is not only fundamentally necessary, but is quite inevitably going to happen within the next 25 years.

METHOD

The first thing to remember about teaching methods and techniques is that the most important factor is still the quality of the teaching staff. You can have the best equipment and training aids and get poor education through having an inferior teaching staff. With good students and good teachers you can do good work in a barn. I would make a strong plea for a little more consideration of this very important fact. I doubt whether the profession takes this matter very seriously. Unless the junior staffs in the schools are paid better, there will not be any junior staffs. In the Burnham Scale it is laid down that a qualified teacher of architecture can be paid a minimum wage of £6 a week. In other words, his value is estimated as that of a farm labourer.

It is about educational method that many of the controversies of the last decade have arisen. Here particularly we must be careful to remember that this is only one factor in the general educational form, and that it cannot be considered as an isolated element. In addition, I plead that anyone who advocates a method should advance at least some detail regarding application, and, if it has already been tried, some report of past results. I gather from the interesting Mars Report that it is largely due to lack of vision in the schools that we did not have at least one Bauhaus in England in the inter-war period. Never having visited the Bauhaus, I asked Breuer what he thought. He said that he found it difficult to understand the feeling on the subject, as the Bauhaus had passed its great period before architectural training was introduced, and that it had never been a success for architects. I do not know whether that is so or not, but to blame the schools is, of course, fantastic. To equip such a place would require about £300,000, apart from the provision of land and buildings. Such things do not succeed or fail because someone in a school is narrow-minded or unenlightened. They come about when they are required to fill a need of the community. We in England after the war have need of markets for our exports. Good industrial designers are vital to the whole country, and, hey presto, there is a new director in the Royal College of Art and a team of eminent designers. Money and machinery and priorities are provided, and there is our Bauhaus, or something better.

Only part of our object can be achieved in the architectural schools themselves, even if we have the equipment. Too little attention is given to the question of workshop technique will fit into the curriculum. It is commonly thought that if we had a workshop we could make the students really able to feel the potentialities of all the different materials which they might use. The time required for such training is immense. I doubt whether those students who deal with a much more limited range of materials would hope to see such an intuitive feeling for materials achieved in less than three years' intensive training on one material. It is much more likely that parallel studies with industrial designers, with machine shops and with manufacturers will promote an awareness of materials. There is a real danger that people may be led to believe that, for example, an opportunity to do woodwork alone, will provide the necessary basic training on this workshop side. It might do as much harm as good to the students' overall capacity to handle materials. Handling wood will not teach you how to handle glass and plastics and light metals. Not all students are brilliant, and unless the system included many different types of material we should soon

see wood forms appearing in plastic and light metal.

Few people who advocate these new workshop methods consider the time factor. If the method is worth adopting, we must allow the student a considerable time to pursue this branch of his studies. What do we sacrifice? I propose to show that such training can be provided to some extent, but I make these points in advance to show that there are very real difficulties, apart from the financial one.

One of the problems that has never been tackled since we stopped drawing the Orders as the major work of the first year, and doing designs based on these elements, is how to teach the fundamentals of design. The history course and the courses on the other arts all play their part; but how do we develop a sense of proportion, the sense of a correct relationship of one part with another? How do we develop an awareness of the emotional content of certain forms? How do we develop a capacity for criticism of pure design? The Beaux Arts system of the French did give a basis on which the student could build an answer to these fundamental needs. The lesson was there for the intelligent student to see and understand.

Today we must consider the application of abstract studies. The two-dimensional and the three-dimensional abstract seems to be regarded by many people in this country as a stunt, as a piece of modernism which neither its author nor anyone else can really understand.

In dealing with method, we must deal with the part which a student may be expected to play in the organization and administration of his own education. Students should have a large part in the direction and running of the school, but it should be a consultant's part. I do not think that it should be a directing part, and the students do not think so either. To the question, "Do you co-operate with your students?" there is only one answer. You need not co-operate with someone whom you are training, but if you are going to educate people you must co-operate with them, and if you are going to co-operate you must co-operate fully.

I wish that the profession as a whole would investigate the psychological tests which have been put into operation at Cambridge over the last few years. These tests, which are applied to students wishing to enter the university, have been very accurate in forecasting how well students will do in their qualifying examinations. I do not suggest that we should substitute those tests now for our examination, but I think that we should allow them to run parallel with our examination for three years at any rate, and then see how they measure up to the achievements of the students in the schools at the end of three years.

TIME

There is one basic factor in education today of which we tend to lose sight. Let us take a boy who is going to leave school in June, 1950, and consider what national service is going to mean in its impact on his training. He will enter the AA in September, 1950, and will leave in June, 1955. If he is lucky enough not to have to wait, he will be called up in July, 1955, and demobilized in January, 1957. He may have heard that it is a good idea to take a degree in planning; rather more than half our students are doing that. He decides to do so, but in order not to waste his time between January and September, when he enters the planning school, he does six months in an office as part of his practical experience. In September, 1957, he goes to the planning school for a two-year course, coming out in June, 1959.

I have no doubt that the planners and the

architects will require by then a year's experience in the specific job which a man is going to do, and so, in June, 1959, this young architect will be faced with having to do the rest of that year in an architect's office to get his experience and qualify. That brings us to 1960, and leaves him with a year to qualify as a town planner, which brings us to 1961. If he left school at 18, he will then be 29. What about his parents? How is anyone to maintain a boy over that length of time? He may have been earning a little from the age of 27 onwards, but that is all.

I do not think that I am exaggerating. Here is a man who never failed to get a place in a school when he wanted it, who was never ill at the time of an examination, and whose demobilization was not delayed, but it has taken him 11 years to qualify. I do not see how we are going to find people who can afford that sort of education once the grants have finished, because, inadequate though the grants may be, they have enabled students to stay on for a longer period than would otherwise be possible. This is an artificial and passing phase, which is dangerous if it lulls us into the belief that there is nothing to worry about.

PROPOSED FORM OF ARCHITECTURAL EDUCATION

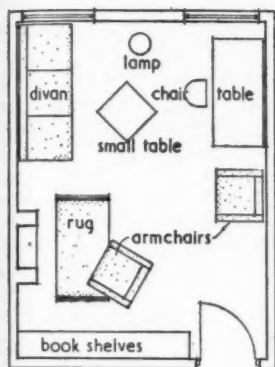
I now propose to lay before you a scheme on which a new form of education might be based; I am putting it up purely for discussion. My main aims are to widen the students' environment enormously by ensuring contact during the student years with both the profession and other parallel studies. I want basically a three-year course. In the first year the general cultural education of the student will not be regarded as finished; he will be given a general cultural education here and a founding in technique and the elementary basis of design work. The second year will be concerned mainly with the basic principles of design and the practice of those principles, and the third year again with practice. There will be a link on one side with the Royal College of Arts and on the other side with an architect's office. The practical building work which the student does will be organized both by the school and by the office, while the technical work in the workshop will be shared between the school and the Royal College of Art. In the third year, we have the country school.

In the fourth year the student will take most of his general examinations, and the town planning student, the AA student and the RCA student will work together on common problems. I think it is essential that before the student enters his fifth year and decides whether he wants to specialize in town planning or in industrial design he should have some opportunity of working with planning and design students and seeing something of the nature of their work.

In the fifth year he will either take a year of architecture or go on to a two-year course, starting at the beginning of his fifth year, which would lead to a town planning and architectural degree or which would qualify him as an architect and industrial designer. I do not think that we can afford the time otherwise to give our architectural students training in these subjects. If the student has to finish a five-year course and then take a three-year course in industrial design, he will be in his thirties before he can begin to earn his living.

I put that forward as something very tentative, to be shot at. I feel that we cannot run Bauhausen, because we cannot afford them. A development of liaison with other forms of school and with the profession as a whole is more likely to give us a sound basis than anything else. That was one of the basic principles behind Lethaby's school of design and handicraft at the end of the last century.

Right: a corner of the room. The divan can be used as a bed, and the fabric cover was specially woven from cotton and wool to produce a rough texture. The venetian blinds are reversible to give a choice of colours. The painting is by William Johnstone.



PLAN (not to scale)



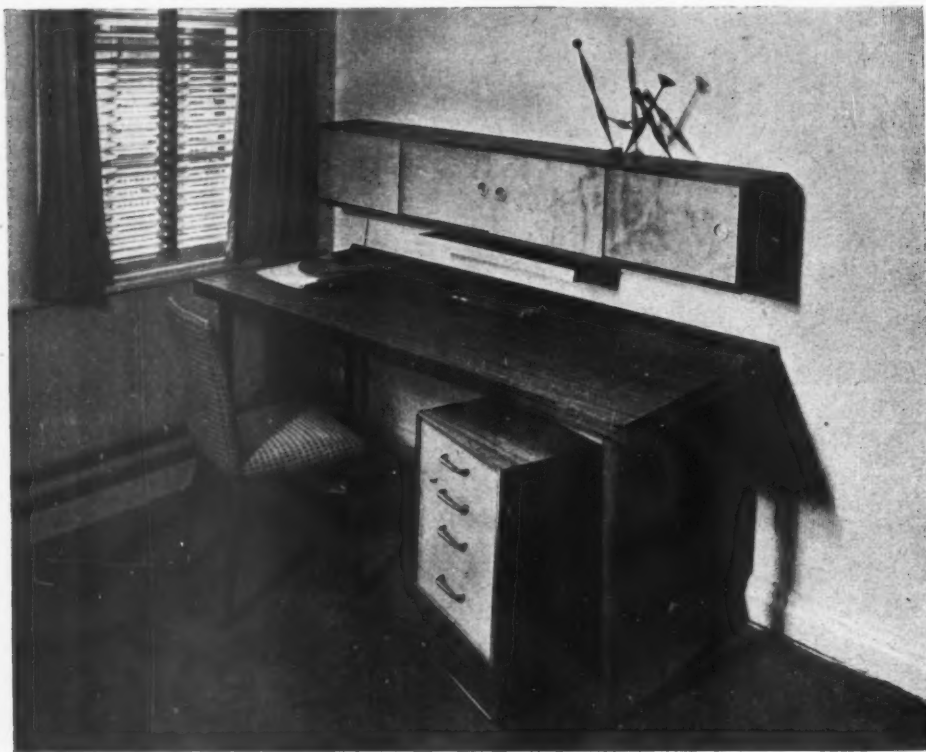
INTERIOR IN CHELSEA

BY THE CENTRAL DESIGN GROUP:
WILLIAM JOHNSTONE, D. F. LEBENSOLD & NIGEL WALTERS

This room is designed for use as a study in an existing Chelsea house. The designers, who worked as a group, were given a completely free hand to produce a modern interior to include finishes, fabrics, furniture and ornaments. The pottery was designed by Dora Billington and George Cook. The chairs have steel rod frames to which the wooden legs are bolted. The rest of the furniture is in sycamore and mahogany. The joinery was carried out by J. H. Stacey.

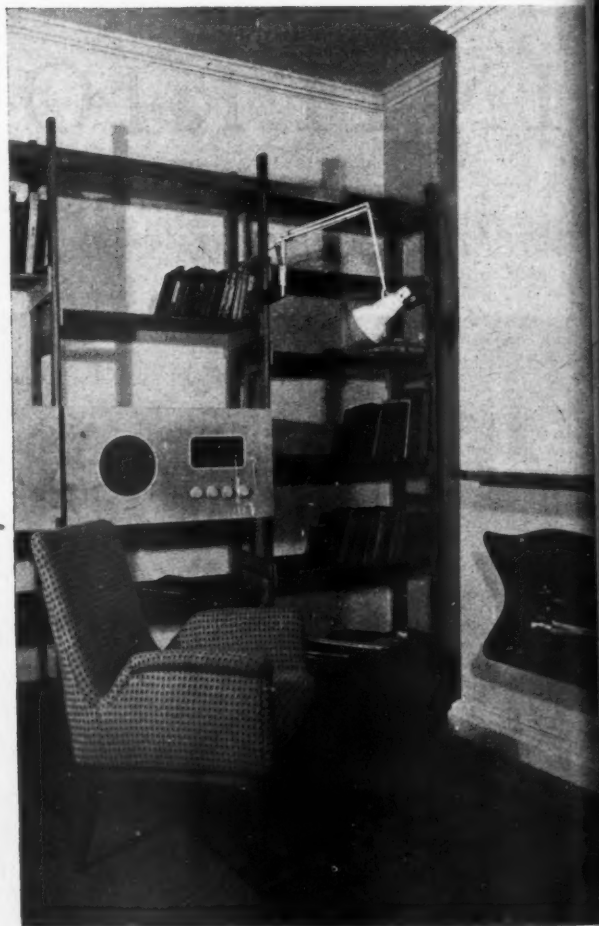
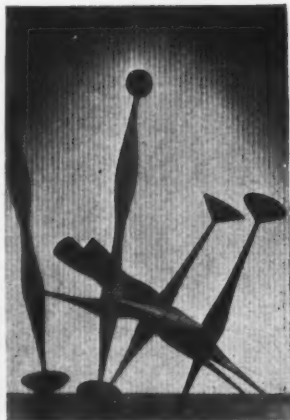


Left: a small glass topped table with mahogany legs and a sycamore shelf. The glass has been sand blasted to provide a lodgement for the legs.



Left: writing desk in sycamore and mahogany with shelves above. The drawer unit can be pivoted round.

Below, left: a coffee set in glazed nigger brown earthenware by Dora Billington. Below, right: a bookrack in mahogany. The shelves are adjustable, those at top and bottom being in stainless steel. A radio and cocktail cabinet, faced with sycamore, are built into the rack. Bottom, left: an earthenware pot by George Cook. Bottom, right: a sculptured ornament in turned wood.



INTERIOR BY THE CENTRAL DESIGN GROUP

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shelves
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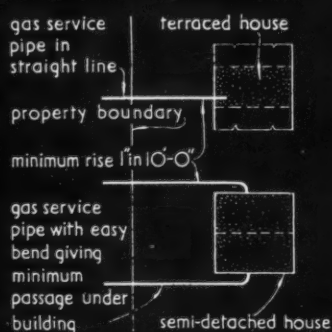
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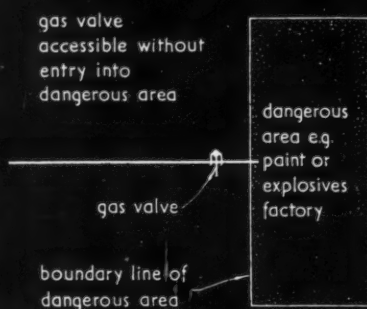
SERVICES AND EQUIPMENT | POWER SUPPLY | GAS

37.D1

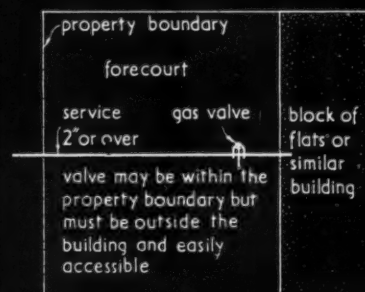
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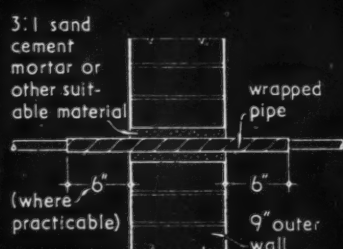
TYPICAL LAYOUT OF GAS SERVICE PIPES TO SEMI-DETACHED AND TERRACED HOUSES.



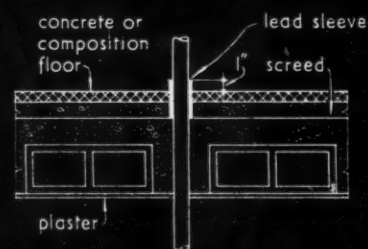
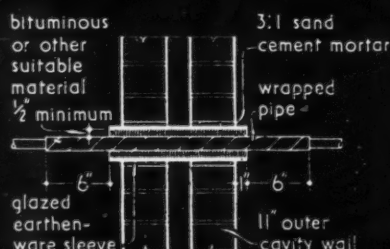
GAS SERVICE TO A DANGEROUS AREA.



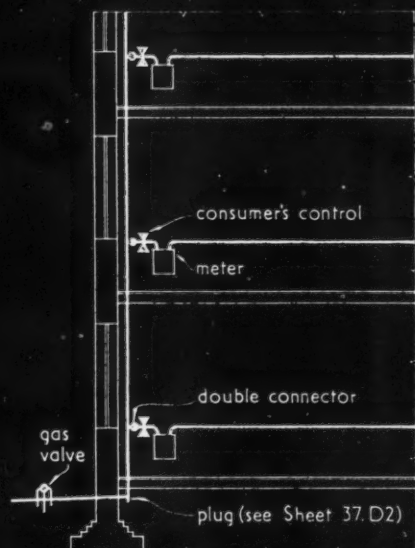
GAS SERVICE TO BLOCK OF FLATS OR SIMILAR BUILDING WITH FORECOURT.



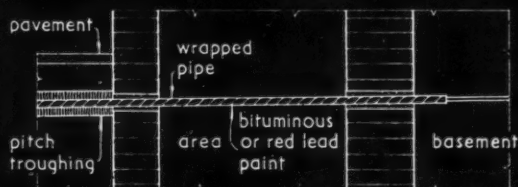
PIPES LAID THROUGH SOLID AND CAVITY WALLS.



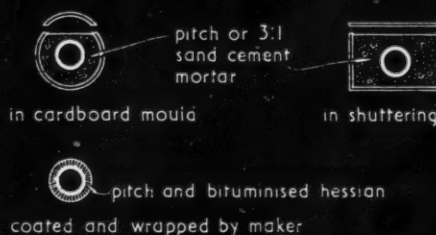
PIPE LAID THROUGH FLOOR.



RISING SERVICE TO BLOCK OF FLATS OR SIMILAR BUILDING.



PROTECTION OF PIPES WHERE EXPOSED TO WEATHER E.G. ACROSS AREAS.



PROTECTION OF PIPES BELOW GROUND: TYPICAL EXAMPLES.

37.D1 GAS SERVICE PIPES: LAYING AND FIXING

This Sheet summarises the main points to be considered when planning gas services. The gas service pipe is the pipe between the gas main and the consumer's control, normally fitted at the meter. Gas installation pipes are described on Sheet 37.D2. The gas undertaking is responsible for laying any part of the service pipe under the public highway and it should carry out or supervise all work in connection with the installation of the service pipe. Gas services must be tested by, or under the supervision of, the gas undertaking. Correct planning and sound materials and workmanship are ensured by consultation with the gas undertaking when the work is at the drawing board stage.

Architects' Drawings

Drawings should show the road, footpath, property boundary, proposed line of service pipe in relation to other services, proposed positions of sleeves in walls and floors and the location of gas meter and appliances.

Service Pipes

The service pipe should, if possible, run in a straight line from main to meter at right angles to the main with a minimum rise to the meter of 1 in. in 10 ft. If a continuous rise cannot be obtained a condensate receiver should be fitted at the lowest point. The length of service pipe running under a building should be kept to a minimum, and if the pipe turns at right angles the fitting used should be a bend and not an elbow. Unless specially insulated the service pipe should preferably be not less than 6 in. and in no circumstances less than 2 in. from any electric cable or conduit.

Materials: Gas service pipes should be of material approved by the gas undertaking. Suitable materials are wrought iron, steel or cast iron complying with the British Standards listed below.

Protection generally: Steel or wrought iron service pipes laid in soil or otherwise exposed to potentially corrosive conditions should be protected unless the gas undertaking has found from experience that the local soil renders protection unnecessary. In very corrosive soils even cast iron pipes should be protected.

Pipes may be obtained from manufacturers ready coated and wrapped, the protection of joints by pitch or 3 : 1 sand-cement mortar being done *in situ* after testing. Alternatively, the pipes may be painted with bituminous paint and laid in troughs into which pitch or 3 : 1 sand-cement mortar is poured, or they may be protected by proprietary wrappings approved by the gas undertaking. Service pipes exposed to the weather or damp conditions should be protected. Facilities should be provided for inspection and repainting from time to time.

Pipes laid through walls: See drawings for details. Coated and wrapped pipe should preferably be used for the section laid through the wall or sleeve, the wrapping extending where practicable at least 6 in. on either side.

Pipes laid through concrete or composition floors: Services laid through, or in, concrete or composition floors can be placed in position before the concrete is poured, or channels can be left in the concrete; the

pipe must be tested and firmly secured with open ends capped off so that it will not be disturbed or blocked during the pouring of the concrete or screed. Pipes so laid should be protected by a coating of pitch or not less than $\frac{1}{2}$ in. thickness of 3 : 1 sand-cement mortar. Pipes projecting through this type of floor should be protected by a lead sleeve extending at least 1 in. above floor level to keep moisture away from the pipe if the floor is swilled down.

Pipes laid under foundation concrete: The length of service pipes entering buildings underneath site concrete should be kept to a minimum as the service will be virtually inaccessible when the building is completed. Protection should be as for pipes in corrosive soils.

Pipes laid under wood floors: Service pipes laid beneath wood floors are usually located underneath or parallel to the joists as the size of the pipe makes notching of the joist undesirable.

Valves and Condensate Receivers

Service pipes which are 2 in. or more in internal diameter or which pass through a dangerous area, or supply premises where a hazardous trade is carried on, should have a separate valve outside the premises in addition to the consumer's control. Valves and condensate receivers laid underground should be covered with surface boxes as specified in B.S. 1426 : 1948. *Gas Surface Boxes.*

Risers

Rising service pipes should be accessible. In block dwellings, offices and similar buildings, facilities should be provided outside the flat or office for alteration or disconnection of the supply to each consumer's installation.

British Standards for Service Pipes and Fittings

B.S. 78 : 1938	..	Cast iron pipes (Class A or B).
B.S. 1211 : 1945	..	Centrifugally cast ("spun") iron pipes (Class B).
B.S. 143 : 1938	..	Malleable cast iron and cast copper alloy pipe fittings for steam, water, gas and oil (screwed B.S.P. taper thread).
B.S. —	..	Steel fittings.
B.S. 534 : 1934	..	Steel spigot and socket pipes and specials for water, gas and sewage (Class A or B).
B.S. 1387 : 1947	..	Steel tubes and tubulars suitable for screwing to B.S. 21 pipe threads (Class C only).
B.S. —	..	Welded joints in pressure pipe lines.
B.S. 788 : 1938	..	Wrought iron tubes and tubulars (steam weight).
B.S. —	..	Wrought iron fittings.

Where no number is given the B.S. in question has not been published at the time of issuing this Sheet.

Further Information

More detailed information will be found in British Standard Codes of Practice :

C.P. 331 : 101 (1947). *Gas Service Pipes, and C.P. 331 : 102 (1947). Gas Metering and Consumer's Control.*

This Series of Sheets deals with the provision of service and installation pipes, meters, flues and all other considerations involving the installation of gas equipment concerning the architect.

Compiled from information supplied by :

The British Gas Council.

Address : Gas Industry House, 1, Grosvenor Place, London, S.W.1.

Telephone : Sloane 4554.

Telegrams : Britgascil, Knights, London.

SPACE HEATING | MECHANICAL STOKERS

29.J1

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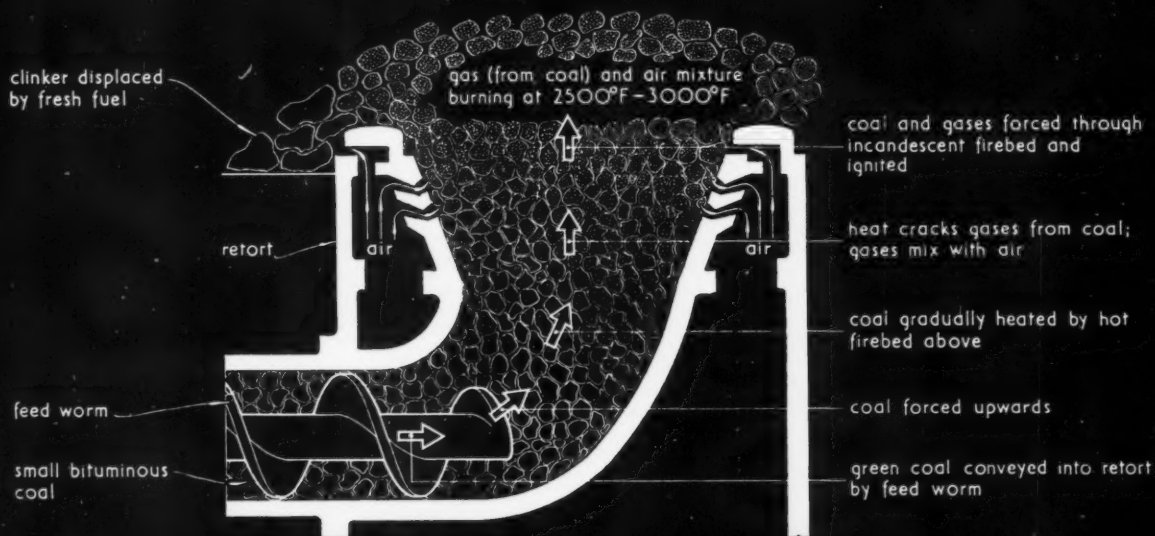
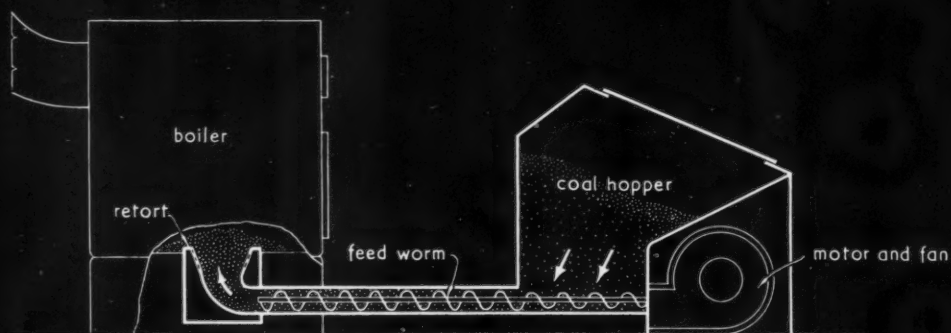
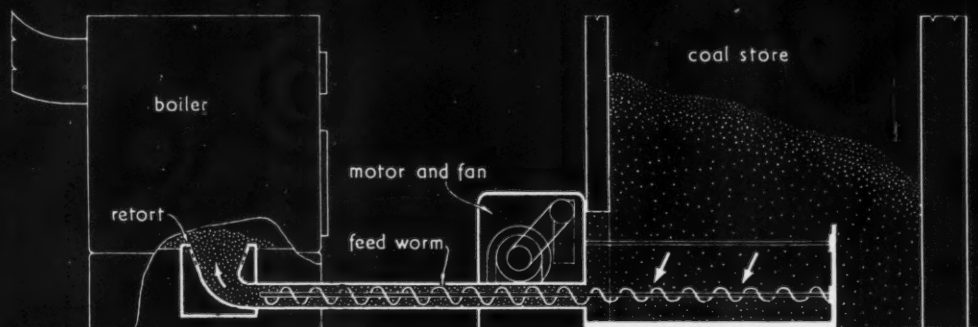


DIAGRAM SHOWING PRINCIPLE OF OPERATION.



TYPICAL HOPPER INSTALLATION.



TYPICAL CHAIN DRIVE INSTALLATION.

29.J1 IRON FIREMAN STOKERS : OPERATION AND GENERAL DESIGN

This Sheet describes the operation and general design of Iron Fireman stokers. The upper drawing illustrates the principle of operation and the lower drawings give sections through a typical hopper installation and a typical chain drive installation.

Layout dimensions for stokers feeding sectional boilers of capacities up to 825,000 B.th.u./hr., above 825,000 B.th.u./hr., vertical boilers of all sizes and flue type boilers are given on Sheets 29.J3, 29.J4 29.J5 and 29.J6, respectively.

Operation

All sizes of stoker are designed to burn small bituminous coal, the fuel being automatically conveyed from a steel hopper in front of the boiler directly to the firepot. A motor rated at 1/6th to 7½ h.p., according to the size of the stoker, is employed to operate the feed worm and at the same time to supply forced draught to the plenum chamber of the retort. The correct amount of air required for complete combustion of the fuel is regulated by means of a damper regulator fitted to the air inlet.

Capacities

Iron Fireman stokers are obtainable in a wide range of capacities varying from an output of 90,000 up to 9,250,000 B.th.u./hr. with hopper capacities of 150 lb. to 1,200 lb. of coal.

Hoppers are constructed of heavy gauge steel with open tops as standard. Dust-tight lids can be supplied if required.

Controls

Operation by electric control box and time switch (except for the smallest size stoker) is standard for all models, governed either thermostatically or by boiler pressure. The time switch is designed to operate at pre-determined intervals to prevent the fire from going out when the stoker has been cut out for long periods.

It is also used to operate the stoker intermittently when the normal or maximum capacity of the boiler is not required, *i.e.*, at night or during week-ends. For steam installations an automatic low water cut-out switch can be fitted together with an alarm bell.

Safety Device

A safety shear pin is provided to protect the mechanism and electrical equipment in the event of foreign bodies being caught in the feed worm. It is easily accessible and can be replaced in a few minutes. The cause of the stoppage can then be removed through the clean-out door situated at the beginning of the worm tube, the machine being designed so as to direct such objects to this point.

Clinker Removal

The incombustible minerals in the coal (which in the case of hand fired boilers are usually raked out as ash, and carry away considerable quantities of unconsumed carbon) are, with the automatic stoker, allowed to remain in the combustion chamber, where they fuse and form into clinker around the firepot and are removed at intervals.

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TECHNICAL SECTION

DEVELOPMENT CHARGES—II

This week appears a further series of the JOURNAL'S "Questions and Answers" dealing with liability for payment of development charges under the 1947 T. & C.P. Act. By requiring an owner of land to obtain permission to develop his land, or to change its use, the 1947 Act has imposed a new obligation upon him. Put the reverse way, the Act has deprived the owner of land of a right which hitherto he had regarded as inherent in his ownership. The view of the Government on this was set out in the explanatory memorandum issued with the original Bill: "They recognize . . . that if no payment were made" (in respect of the loss of this right) "hardship would be caused in many cases and they have decided that a capital sum should be made available out of which payments can be made to landowners."

Section 58 of the Act regulates these payments. They are to be based on a Treasury Scheme and the total sum available to cover all claims from England and Wales and Scotland is £300 m., to be apportioned as the Treasury directs. The Treasury Scheme is to be made after the Treasury is "sufficiently informed" as to these development claims (Sub-Section 3) and it may incorporate the appropriate machinery from the War Damage Act, 1943, for dealing with payments to mortgagees, leasehold interests, etc. Section 59 provides for additional payments to be made in respect of war-damaged land (again in the form of a Treasury Scheme).

Section 60 deals with the method of claim and authorizes the Minister to make regulations on how the claims are to be made, investigated, assessed and settled in case of dispute. (It is important to note that the latest date by which claims must be filed is March 31, 1949.) Section 61 sets out the basic rules for assessing the loss in value due to the restriction. Shortly, the effect of the Section is that the basic assumption must be that permission to develop would be given for any class of use specified in the Third Schedule to the Act, but not for other development. The unrestricted value of the land is taken to be the value it would have had had the Act (except Sections 61 and 62) not been passed; the date for valuation purposes is January 7, 1947. Section 62 deals with supplementary points, particularly the basic assumptions to be made on valuing leasehold interests and freehold reversions to leases, while Section 63 excludes small claims, that is, claims where the development value is £20 an acre or less or where it fails to exceed one-tenth of the restricted value of the land.

Section 64 provides that claims on the Fund are vested in the person owning the interest in the land on July 1, 1948, but that claims are to be capable of assignment. Notice of any assignment must be given to the Central Land Board.

Sections 65 and 66 deal with the method to be employed in satisfying the claims when admitted. In the main, claims will be met by the issue of Government Stock carrying interest from July 1, 1948, but Section 67 deals with those cases where payment in cash can be made.

The remaining Section to be noted is Section 80, which deals with land ripe for development on July 1, 1948. If within a period of ten years before January 7, 1947, a byelaw submission or a building application had been made or a building contract entered into and the contract was still subsisting on July 1, 1948, the Minister may certify accordingly and in that case no development charge is payable nor can any claim on the compensation fund be made. Claims under this Section must be submitted within one year from July 1, 1948.

The following regulations under the Act have been made: The Claims for Depreciation of Land Values Regulations, 1948 No. 902. The Central Land Board has also issued certain useful memoranda: Form S.I.A. on Payments in respect of Depreciation of Land Values, Form D.I.A. on Development Charges and Form S.I.A. (N.R.) on Builders Near Ripe Land.

QUESTIONS AND ANSWERS

This week we publish a further group of hypothetical "Questions and Answers" dealing with development charges under the 1947 T. & C.P. Act. These examples have been posed and answered by a legal expert. A group on change in use of property, was published in the JOURNAL for October 28 and a group on development charges in the JOURNAL for November 18. The answers have, of course, no official validity and in studying them reference should be made to the Act itself and the Orders made under it.

THE SINGLE BUILDING PLOT

Q My client bought a plot of land early in 1946, intending to build a house there for his retirement. He paid a "normal" price for it, actually £450 for about an acre. The plot is an agricultural area, at the moment let off for grazing at a rent, I believe, of about 30s. a year. I have prepared plans for the house but, inevitably, no permission to build has yet been given. My client is now worried about a "development charge." What is his position?

A This is a straightforward case of "near ripe" land, and the authorities have a scheme to meet it. Your client must make his claim on the Compensation Fund for the loss of the development right over the land and that before March 31, 1949. If he starts to build before January 7, 1952, he will be allowed to set off the development charge he would normally pay against his claim on the Fund, that is, he will be given priority of payment from the Fund and so will get his claim paid in full. That will be sufficient to meet his development charge—it will in fact be a book entry. This applies to all in his position who bought their building plots before July 1, 1948.

INDUSTRIAL BUILDING SITE

Q In 1944 my clients, owners of a cotton spinning mill in a Lancashire town, bought a vacant site alongside the factory for future expansion—and paid a good price for it, too. Will they now have to pay a development charge as well, when they come to build?

A As the Act stands now, yes, but there are indications that a scheme will be made to deal with cases of this kind. The Minister has said that he intends to put forward some plan which will give industrial undertakings the same kind of right to set off development charges against payments to be made from the Compensation Fund as that given to the owners of plots of land bought for the erection of a dwelling-house.

OUTLINE DEVELOPMENT

Q My clients wish to extend their factory. It lies in an industrial area—there is not likely to be any difficulty about planning permission—and immediately adjoining the factory is a vacant site, with made-up roads on two sides and a service

road at the rear. The usual services are, of course, already available. In all, the site is about two acres in extent, and at the moment it is vacant; in fact, it is an eyesore, a casual rubbish dump. But the owner wants £3,000 for it. My clients would pay that if it was an all-in charge, but they are worried about development charges. What is the position?

A At the moment, still obscure. Clearly the land has no existing use value—it may even have a negative value. Its whole future value depends upon development and the person who does develop it must clearly face the fact that the development charge to be paid might be as much as £3,000, conceivably more. But this is a case of "outline development," that is, a case where the site has already been provided with the roads, sewers and service facilities necessary for development, and in the Lords' debate on the Development Charge Regulations the Government spokesman said that the Government intended to provide some scheme by which land developed in outline would be dealt with in a manner similar to that contemplated for "near ripe" land. If your clients think it safe to wait, they should do so until the details of the scheme are published. Alternatively, they can buy the land now for the £3,000 and take an assignment of the vendor's rights to all schemes under the Act. In that case they must at once lodge a claim on the Compensation Fund. In any case, I think that the position should first be discussed with the local officials of the Central Land Board.

BUILDERS' "RATION" OF NEAR RIPE LAND

Q My clients are registered builders and, before the war, were also estate developers. They operated in the vicinity of a county borough and, in 1937, they developed 34 acres and, in 1938, 36 acres. At the end of 1938 they purchased another 107 acres, but only 23 of these had been developed before the war broke out. In January, 1948, the county borough authority compulsorily acquired 34 acres of the land they still held. What is their position now?

A The Central Land Board has prepared a scheme to meet this kind of case. A registered builder is entitled to receive payment in full from the Compensation Fund for a "ration" of land owned by him on January 7, 1947. The ration is equivalent to the average acreage of the land he developed between 1934 and 1938 or, if he was not building throughout that period, he can select two of the years and take the average of land developed in those years. Further, if any of his land was compulsorily acquired at existing use value between January 7, 1947, and July 1, 1948, he can claim priority from the Fund in respect of that land. On the facts you give, your clients' claims for priority payments from the Fund seem to be:

Acreage developed in 1937	34 acres.
Acreage developed in 1938	36 acres.
Average for the two years	35 acres.
Acreage acquired by the local authority	34 acres.
Total "priority" acreage	69 acres.
Amount of land still in hand	84 acres.
69 acres will get priority in payment and your clients can select which acres they are to be. 15 acres will be dealt with normally under the final scheme.	

WAR-DAMAGED PROPERTY

Q My clients are in negotiation with a doctor to acquire from him the site of an old Victorian house which before the war he used as a dwellinghouse and surgery combined. The house is in the

main shopping street of the town and in 1942 it was burnt out completely during an incendiary raid. The doctor has since found other accommodation both for living and for his surgery, and has no intention of rebuilding on this site. In 1946 he settled his war damage claim on a total loss basis. The War Damage Commission agreed the value of the property at £2,500, but claimed that the freehold site, in that position, was worth £1,000, so paid him only £1,500. He accepted those figures. Now my clients are proposing to acquire the site for the ultimate erection of a cinema, and the doctor claims that the site is worth between £1,000 and £1,250, and that is what he wants. Quite frankly, he knows nothing about the Act or development charges, nor does he intend, so he says, to find out. He says that a Government Department told him that his site was worth £1,000 in 1946 and, to his knowledge, prices have not fallen since. What course of action do you recommend?

A The position of those whose property was war-damaged and whose compensation has been reduced because the vacant site has some development value is covered by Section 59 of the Act. Under this Section a second and separate Treasury Scheme is to be set up and payments from it will not come from the Compensation Fund. They will be payments in cash intended to make good the difference between the restricted value of the site and the amount at which it was valued in calculating the war damage payment. The right to receive this compensation is also assignable to a purchaser of the land. Your clients can safely pay £1,000 for the land, provided they take an assignment of the owner's claim and see that the claim is properly lodged. But they must remember that the payment is only intended to make good the position at the time when the war damage claim was assessed, in this case in 1946. In other words, the unrestricted value of the land on July 1, 1948, might have been more than £1,000—so, at least, the doctor thinks when he talks about a selling price of £1,250. That may be the subject of a normal claim on the Compensation Fund which will be given no priority. Payment of more than £1,000 for the site will leave your clients with this risk to carry themselves.

SPLITTING A HOLDING

Q The managing director of an important industrial company, for whom I am preparing a number of plans, owns an estate of about 400 acres on the outskirts of a country town. He has asked me how the 1947 Act affects his property, particularly over claims on the £300 m. Fund and, although it is not quite relevant to the work I am doing for him, for obvious reasons I should prefer to know enough about his problems to be able to discuss them intelligently with him when we meet. Clearly, the development value of the estate as a whole is less than £20 an acre, but there are sections of it, those nearest the town, where such value might well exceed £20 an acre. How is he placed?

A It is for the owner of such a property to decide what sections of it have a development value and then claim on the Compensation Fund in respect of those sections only. He obviously should be advised by a surveyor; a surveyor could divide from the total estate those sections where the development value exceeds £20 an acre, and where it is more than one-tenth of the restricted value of the land and submit a claim for this land alone. But the owner will not thereafter be able to claim for severance of that area from the rest of the property if that area is subsequently compulsorily acquired.

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2.67 planning: general 1947 ACT: PAMPHLETS

Development and Compensation. (Association of British Chambers of Commerce. 4s.). *TCPA 1947: How It Affects the Building Industry.* (National Federation of Building Trade Employers. 6d.).

Complementary pamphlets. The first affords an admirable general introduction to the Act, the second deals exclusively with problems likely to be encountered by the builder developing land.

It is to be expected that the TCPA will give rise to a spate of publications explaining its provisions for week by week further official orders and policy announcements add to the list of things to be explained.

Both these pamphlets are extremely helpful because in each case the author has attempted to get right down to actual practice in an industry which he understands. How will the Act affect Mr. X and Mr. Y. And this approach is both sensible and practical, for if Mr. X and Mr. Y run into difficulties in their businesses because of lack of knowledge it will be the whole Act that they condemn, not their own failure to understand it. The Chamber of Commerce pamphlet is the more comprehensive. It deals with the whole of the Act in simple terms, breaking it down into subject headings on logical lines and including references to, and reprints of, ministerial orders made before September 30, 1948. It also contains a useful list of the regional offices of the Ministry and of their addresses.

The Federation's pamphlet is more limited in its object but more detailed in its treatment. It deals exclusively with the position of the builder developing land in relation to his claim for compensation in respect of "ripe" and "near ripe" land. The pamphlet gathers together a great deal of information, including that derived from points put by the Federation to the Central Land Board, which is not generally available and which should be of the greatest assistance to those actively engaged in the industry.

13.35 materials: timber WOOD BENDING

Solid and Laminated Wood Bending. W. C. Stevens and N. Turner. (HMSO, 1948. 5s.)

Practical handbook on wood bending, with explanation of theory governing choice of

different methods suggested. A very useful book for all designers in timber. Pp. 71. Illus.

The book deals in detail with the principles of wood bending; the selection and preparation of bending material; softening treatments; hand-bending; machine bending; the setting of bends; and, in connection with laminated bending, the process of laminated bending; pressing laminæ to shape; glue setting; the movement and distortion of laminated bends; and, finally, theoretical considerations.

15.43 materials: applied finishes and treatments PAINTING

Painting & Decorating Craft Practice. James Lawrence (E. & F. N. Spon Ltd. 9s.)

Small handbook giving information about painting under following headings: General principles, composition of paint, materials, painters' tools, application, surfaces and their treatment, cellulose paint on buildings, handling colour, stencilling, sign lettering, gilding, graining and marbling, broken colour work, plastic painting, special processes, painting defect. Index 151 pp. Ill. Very useful.

This reasonably short account of painting craft contains in very readable form (c.f. the Codes of Practice) all the basic technical knowledge which the architect should have about the subject. The information about the craft of painting which need not concern the architect so closely is separated by chapter headings from the remainder, which with the help of a good index is so arranged as to form a reference which can be thoroughly recommended.

16.41 materials: miscellaneous ASPHALT FOR ROADS

Mastic Asphalt (Limestone Aggregate) for Roads and Footways. BS 1447:1948. (British Standards Institution. 2s.)

Revised specification. Original also dealt with mastic asphalt with natural rock asphalt aggregate which is now issued separately as BS 1446.

19.53 construction: details ZINC WEATHERINGS

The Use of Zinc Weatherings. Zinc Bulletin No. 5. (Zinc Development Association.)

Short illustrated article on the uses of zinc in weatherings. Comparison made with steel, copper and lead for same purposes; information on resistance of zinc to atmospheric conditions; details of design and fixing.

22.24 sound insulation and acoustics SOUND DISTRIBUTION SYSTEMS

Sound Distribution Systems for Large Buildings. Draft BS C. of P. 327.300:1948. (British Standards Institution. 5s.)

Materials, appliances and components; design factors; structural provision; inspection, testing and maintenance. pp. 46.

This is a competent and informative code, giving guidance for the installation of sound distribution systems consisting essentially of loudspeakers, indoor or outdoor. The sources of sound (microphone, gram, etc.), and the necessary communications and amplifiers.

22.25 sound insulation and acoustics BROADCAST RECEPTION

Sound and Television by Radio. Draft BS

C. of P. 327.201:1948. (British Standards Institution. 5s.)

Materials, appliances and components; design considerations, general, and for main building types; television; structural accommodation. Useful. Pp. 50, figs. 7.

This code sets out the basic requirements for good reception of sound broadcasting, and describes the different forms of installation appropriate for buildings of all main types. It is clearly written and a good informative code.

22.26 sound insulation and acoustics DOMESTIC NOISE SURVEY

A Survey of Noise in British Homes. D. Chapman (National Building Studies, Technical Paper No. 2. HMSO, October, 1948. 9d.).

Noise in one's own home, noise from neighbours, and outdoor noise. Survey by Government Social Survey for Building Research Station. Important general material. Pp. 35.

This survey formed part of the work of the BRS to determine accurately the amount of noise complaints in the homes of this country and the standards of insulation necessary to keep them down to a reasonable level. The method and form of questioning is described. The report has three main parts dealing with noise from one's own home, from one's neighbours, and from outside. People were asked to say whether they merely noticed different noises or were actively troubled by them.

The outstanding comparison which architects should note is that, while only one-quarter of the people who live in adjoining houses are troubled by neighbours' noise, the percentage rises to over 40 per cent. in flats; and between old flats (1870-ish) and modern blocks, the difference is as between 35 per cent. and 57 per cent. In other words, the modern blocks in general give rise to nearly twice as much complaint as the older blocks, and the actual level of complaint is very high. Apparently only a very few people thought that noise came through open windows; most said it was definitely party-wall trouble.

A surprise is in store for those who have always thought of radio as the biggest nuisance, for although usually the largest proportion said they "noticed" it, the noise of "banging doors" was found to "trouble" a decidedly higher proportion. Naturally, in flats, the movement of neighbours above, and in public access places, was a major complaint.

Another surprise comes for those who forget about outdoor noise. The proportion troubled by it was about 40 per cent.—quite as high, on the average, as the number troubled by indoor noise in flats. Probably quite a lot of these complaints are from people in old, very dense developments where the playground is the street; but paved play-spaces in flatted developments are also sources of importance. "Children playing" was the main item causing trouble, and "road traffic" was next.

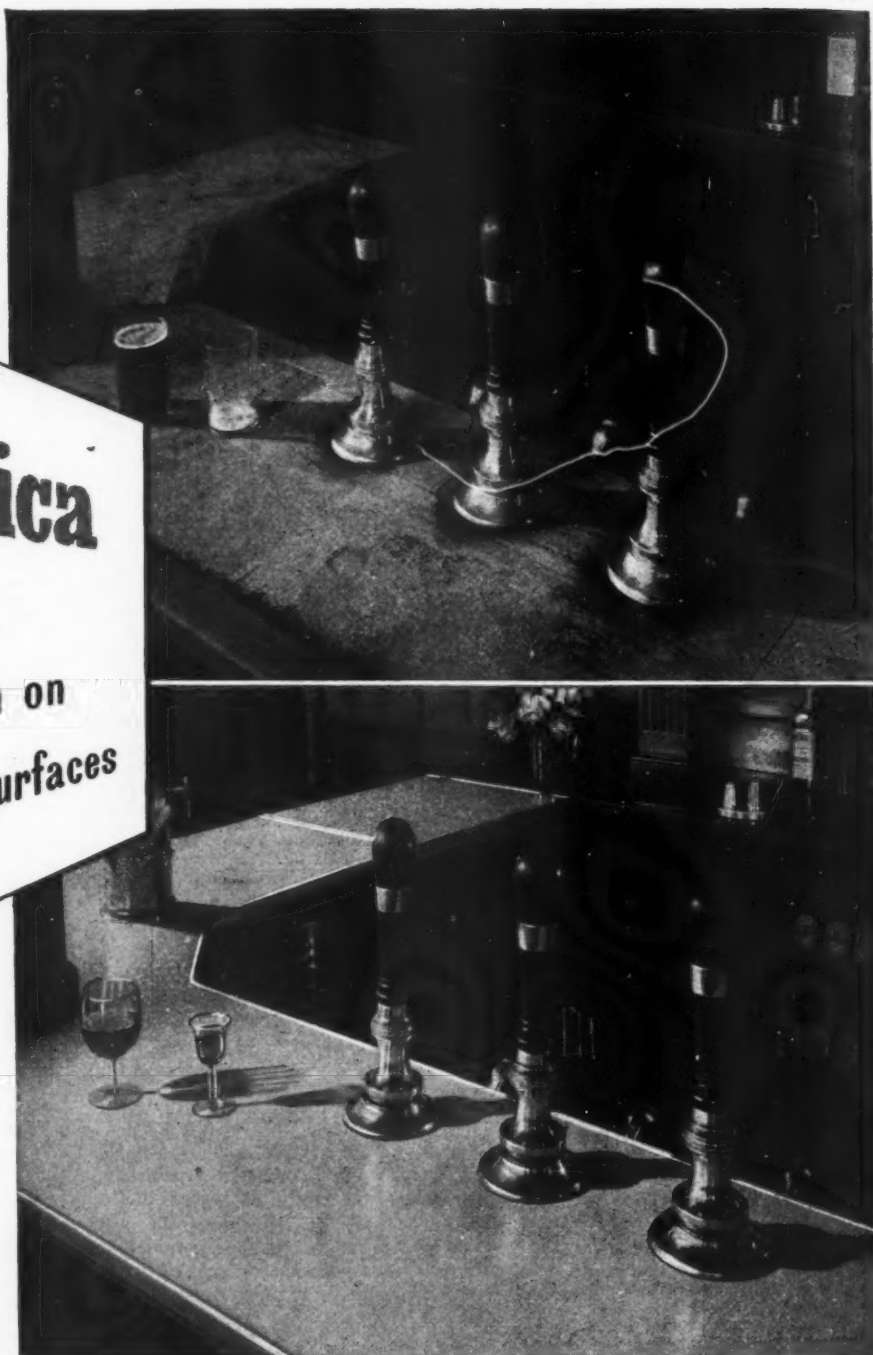
This report is well worth reading by architects who want to get the measure of some of these intangible problems.

23.85 heating and ventilation HEAT PUMPS

Heat Pump Installations in Switzerland. Henry G. Goddard (Architectural Assocn. Journal. Oct., 1948).

Summary of Report on 1947 Matthew Hall Bursary. A good outline of the more important Swiss installations, which suggests that the full report may contain much useful information.

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Report of the Committee of the Department of Health for Scotland on BUILDING COSTS

[By Ian Bowen]

The Ministry of Health committee's report on the cost of house-building has been followed by a report from a sister committee in Scotland* (if committees are rightly deemed to be feminine—they are often both cautious and capricious). Of the two reports, the Scottish is in some respects the more thorough, as the committee has recommended for instance that the development of the "single contractor" system should be encouraged in Scotland. The committee found that the most serious defect in the efficiency of management appeared to be the lack of an adequate measure of co-ordination between the separate trades engaged on contracts, a fault exacerbated by the Scottish practice of the individual trades clinging to their independence, so that no one contractor accepts responsibility for the job's progress.

The Scottish committee, in this and other instances, found the courage to criticize some existing industrial practices; most of its constructive suggestions appear to have been derived from the *Placing and Management of Building Contracts*, the Simon committee report of 1944 which has become the classic source of inspiration of all those who want to see improvements in the cost of building. But even the Scottish committee was limited by its interpretation of its terms of reference. These actually were "to consider and keep under review the costs of house building in Scotland, and to make recommendations"—which seem to cover a wide field. The committee held, however, that in view of the existence of the Palmer committee on the price of building materials (which has yet to report) and of the Simon committee (1948) on the Distribution of Building Materials, they would not consider the reasons for increases in the prices of building materials, but only the effects of those increases. The committee also deemed it appropriate to exclude the cost of land, of site preparation and services, and of professional fees from its enquiry.

The English committee, it may be recalled, went even further than this in the subjects which it debarred itself from enquiring into, such as the organization and efficiency of the building industry, and scope for improvement in building technique.

If to this list of excluded topics, is added the item "builder's profits and overheads," on which both committees entirely failed to produce any factual evidence, it is hardly a coincidence that they were both forced to comment on a very limited list of so-called "causes" of high housing costs. After all, if building materials' prices are only to be mentioned but not analyzed, if the structure of the industry is not to be criticized, if new methods are not to be properly considered, if there is nothing to say on profits, only a few topics remain for debate; mainly two, to be precise—the cost of labour, and the size and amenities of houses.

Hence the family likeness between the two reports. The English report sums up

against the second W.C. in the post-war house and so does the Scottish; the Scottish report suggests that immersion heaters should be regarded just now as "semi-luxuries." Both reports give prominence to the undoubtedly grave falling-off in labour productivity, but their criticisms in this regard would no doubt carry more weight with organized labour if their pursuit of the subject of management's efficiency had been less restricted.

It is true that there is a Working Party now sitting on the subject of the building industry's efficiency and organization. But a Working Party does not provide all other public bodies with an absolution for their sins of omission. A more radical diagnosis of costs has still to be made, and linked up with an economic analysis of the industry's structure, and of its market position—for another point too often overlooked is that an industry's "structural" efficiency is not to be divorced from the environmental influence of the market which it serves.

The Scottish committee has estimated the finished costs of a house in 1939 at approximately £480, and at £1,280 in 1947. This represents a rise of 166½ per cent., so that the post-war cost of a house is two and two-thirds the pre-war cost. In terms of tender prices the rise was somewhat less, 142 per cent. instead of 166½ per cent.

Like the English committee, the Scottish committee was not able to obtain conclusive direct evidence of finished housing costs. The "final settlement of a housing contract," they state, "normally takes some considerable time after the actual completion of the houses; indeed the delay may frequently run into years." Therefore it must be emphasized that their figures for "finished" costs are tender prices adjusted for what are believed to be the principal variations.

The variations clauses in post-war contracts give rise to much of the uncertainty on housing costs that now prevails. The committee regard "the earliest possible return to firm commitments as an ideal to be aimed at," but came "with regret to the conclusion that such a step would not at present be justified."

The mere fact that the actual cost of houses is so difficult to ascertain offers in itself a *prima facie* indictment of the commercial methods at present followed in the building industry. It is therefore unfortunate, to say the least, that the official committee on house-building costs have excluded those methods from their review.

Those methods are partly though not entirely due to the peculiar market in which the builders have to sell their final product. Reform of the methods of spending public money on housing is as much overdue as reform of the costing methods employed by the industry itself. In their later enquiries the housing cost committees should enquire much more deeply into the methods of letting contracts and their relationship to the maximization of efficiency; the belief that competitive tendering results in maximum efficiency entertained by the English committee is almost naïve, and is completely refuted by the practices of the London Builders' Conference, and the theory that is used to justify it—nor is London likely to remain the only area in which employers organize themselves against the ill effects on efficiency which is caused by competition.

Another point which is given little consideration by the housing cost committees is the relation of housing costs to prices generally. The 1944 report on the *Placing and Management of Contracts* rightly gave prominence to this important matter. In a period of inflation, even of repressed inflation, the pressure on supplies is likely to drive up prices abnormally, and incidentally to cause an inflation of profits. Alleviation of high building costs may be all but impossible until this general inflationary pressure has been reduced; to lower the standard of housing, if the problem is largely short-term, may not be sound policy. Reduced standards would in any case have

to be considered against the alternative of a cut in the programme.

To sum up, the Scottish committee has added some important details to the analysis of housing costs. It has brought together all the available information on the subject of present-day costs. It is cautiously written, and never goes beyond the evidence that it can produce. Like the English committee, it confirms a serious drop in labour output—something which has never before been officially admitted. But it does not go to the heart of the building problem; even the facts on labour productivity are of little service unless management can attack the evil. How to reorganize the purchase of houses so that, at the producing end, economies of production are secured, remains "as elusive a problem today as in 1944."

Announcements

The London office of Messrs. Woods of Colchester, Ltd., of Colchester, Essex, manufacturing electrical and ventilating engineers, is now Fenwick House, 292, High Holborn, London, W.C.1. Telephone: Chancery 8284 and Holborn 1381.

Mr. H. W. Scatchard, A.R.I.B.A., DIP.ARCH., has been appointed Architect to the Northern Ireland Hospital Authority and will be pleased to receive trade catalogues at his office: Friends Provident Building, Howard Street, Belfast, N.I.

The Kingston-upon-Thames District Chapter of the South Eastern Society of Architects has moved to 19, Lovelace Gardens, Surbiton, Surrey. The hon. secretary is Mr. D. Phillimore Taylor, A.R.I.B.A., DIP.ARCH. (POLY).

Mr. Noel E. Campbell, A.R.I.B.A., M.R.I.A.I., has relinquished his appointment with the Hospitals Section of the Department of Health, Dublin, on being appointed Schools Architect to the County Londonderry Education Committee. He is taking up his duties at the Education Offices, New Row, Coleraine, Co. Derry, Northern Ireland, and would be pleased to receive trade catalogues, etc.

Mr. A. G. K. Williams has been appointed Manager of the Cardiff Office of George Ellison, Ltd., makers of Ellison electric switchgear, in succession to Mr. J. B. Gwynne Lewis. Mr. Williams has been with the Ellison organization for many years. Mr. Lewis, who retired recently after 30 years' service, will act in a consultative capacity until September next year, when he finally retires.

Messrs. Hobbs and Sincok, corporate and registered architects and surveyors, of 30A, Hart Street, Henley-on-Thames, recently opened a main office at 28, Hart Street. Mr. R. J. Enys Sincok, the proprietor of the business, has opened a branch office at Kennels Cottage, Perran-ar-Worthal, near Truro, Cornwall, and would be pleased to receive trade catalogues, etc., at both offices.

Mr. J. F. Souhami has been appointed manager of Stramit Boards, Ltd., Stowmarket, Suffolk. The productive capacity of the works has been increased by two new boardmaking machines, so that deliveries of the 2-in. Stramit walling units will be available from stock.

Mr. Herbert Thearle has resigned his post on the staff of the Liverpool University School of Architecture, but will continue in private practice which, as hitherto, will be carried on from 66, Rodney Street, Liverpool, 1.

The Birmingham Guild, Ltd., have moved their London office to 34, Ely Place, E.C.1, telephone Holborn 1377. The office is under the control of their London Director, Mr. G. W. Spencer, who will be pleased to receive enquiries for architectural metalwork and light engineering.

Mr. J. M. Wilson, A.R.I.B.A., and Mr. H. C. Mason, F.R.I.B.A., have been joined in partnership by Mr. J. A. Wilson, A.R.I.B.A., Mr. C. H. Lindsey Smith, L.R.I.B.A., and Mr.

* Report of the Committee on Scottish Building Costs. HMSO. Price 1s. 3d.

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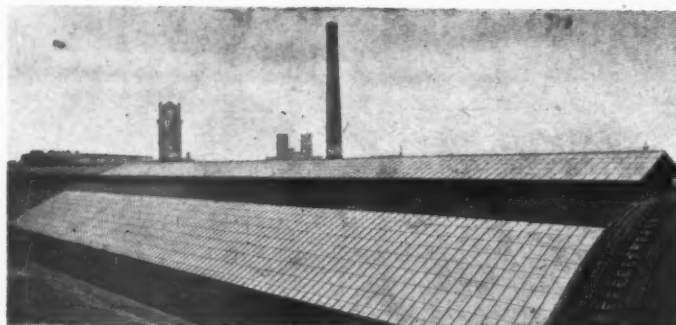
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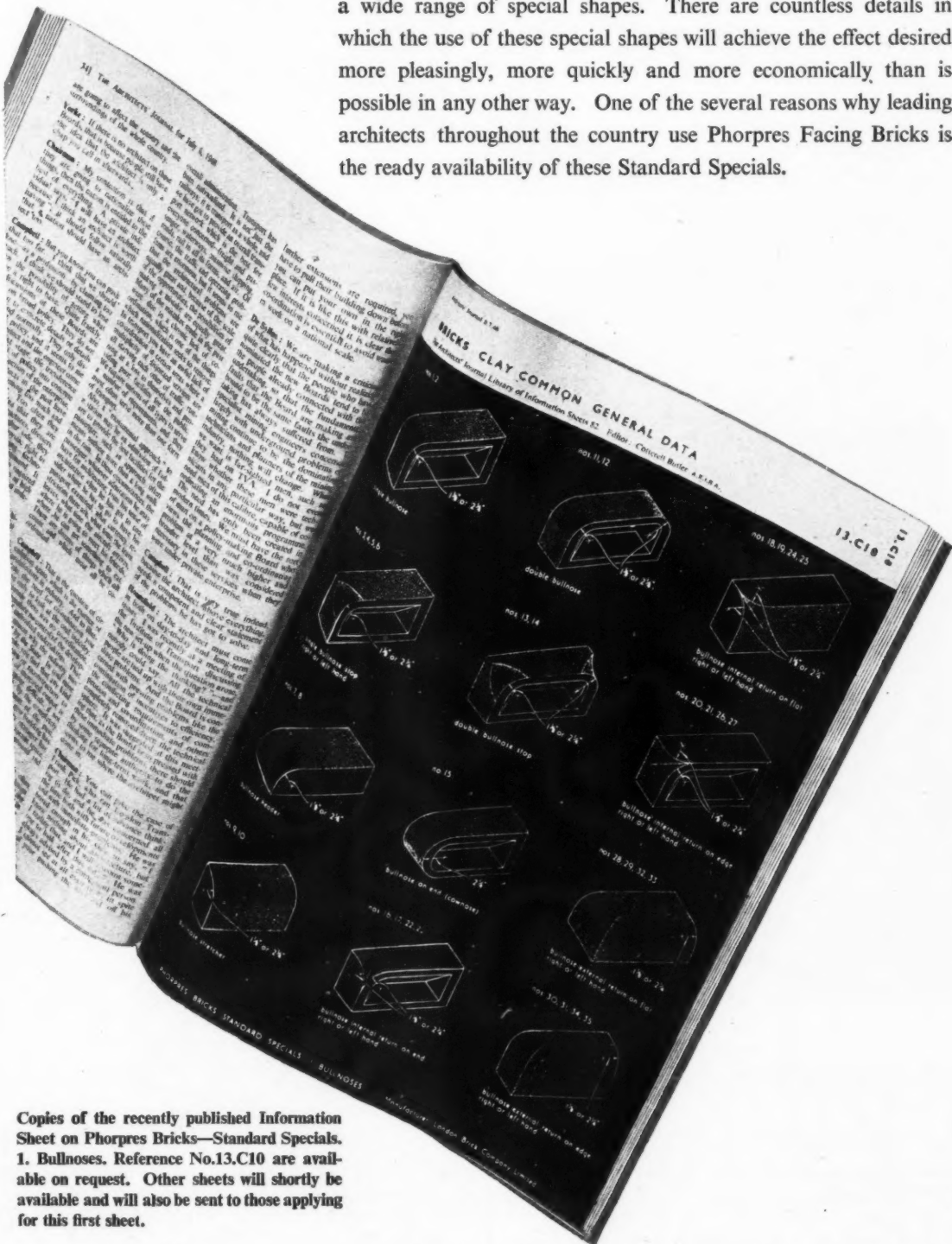
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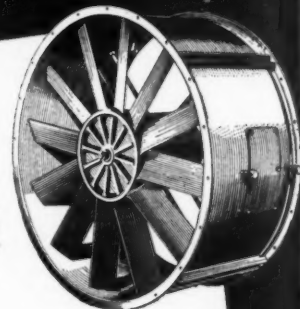
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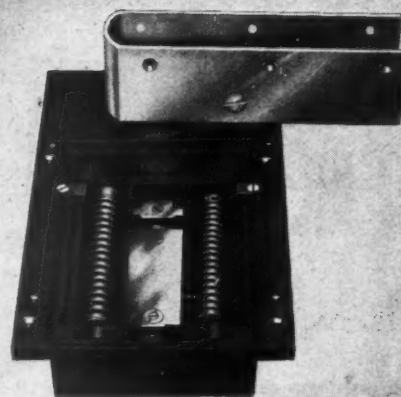
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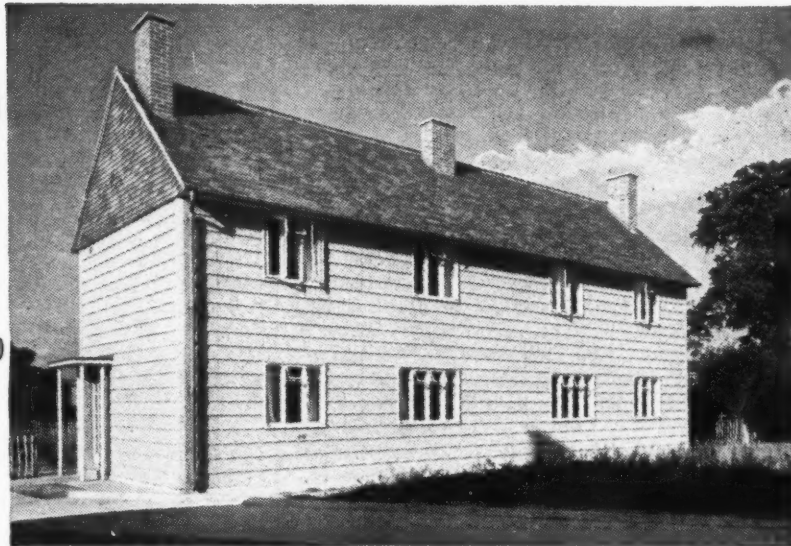
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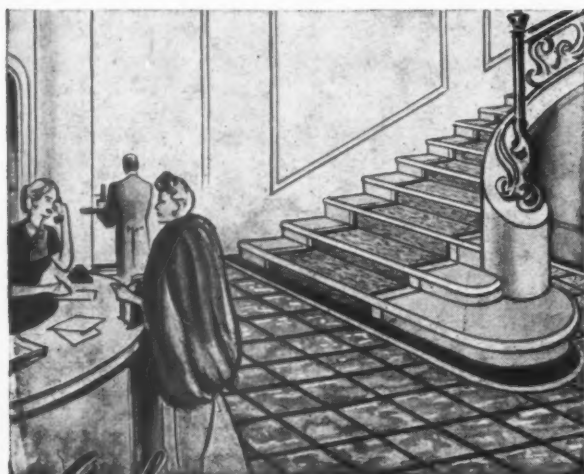
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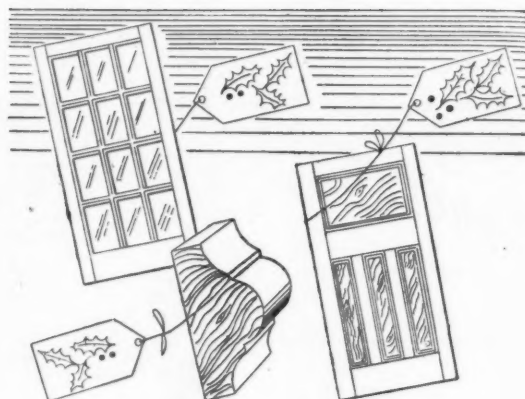


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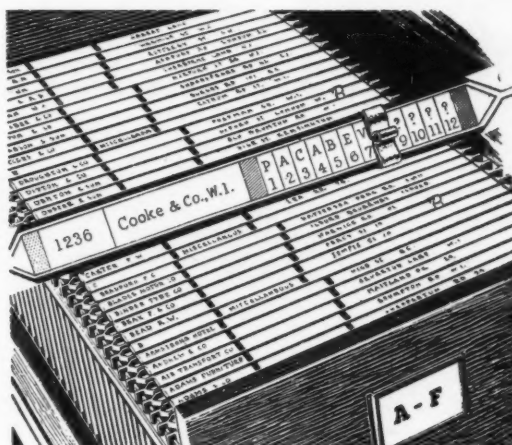
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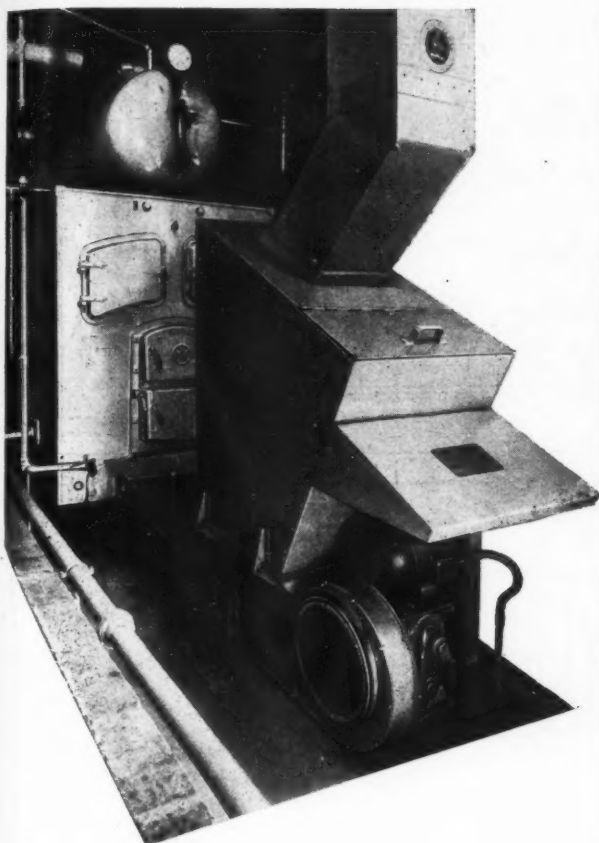
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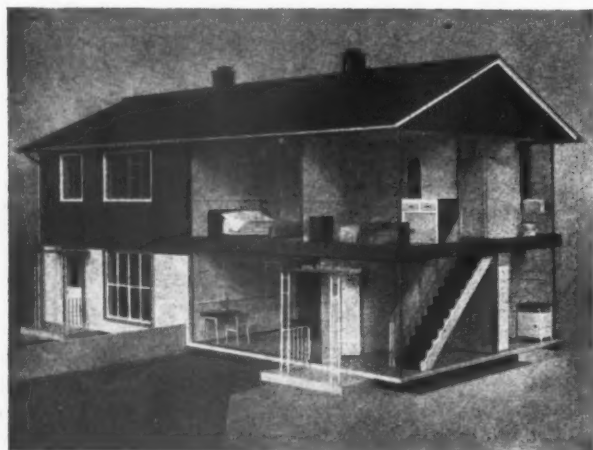
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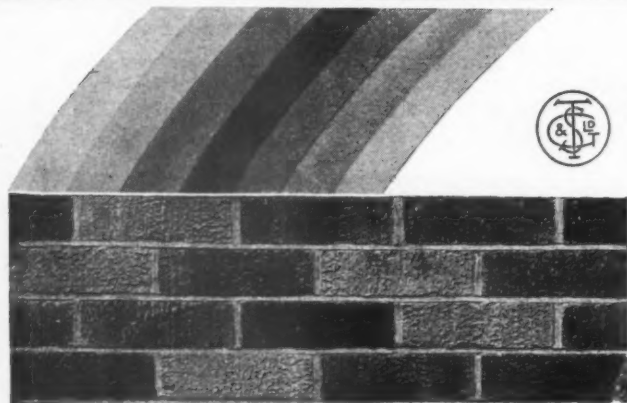


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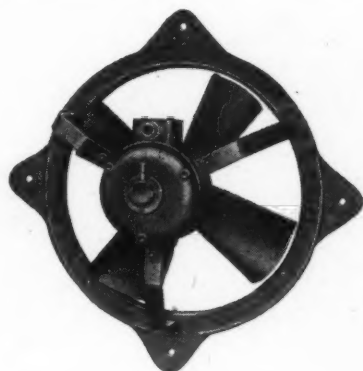
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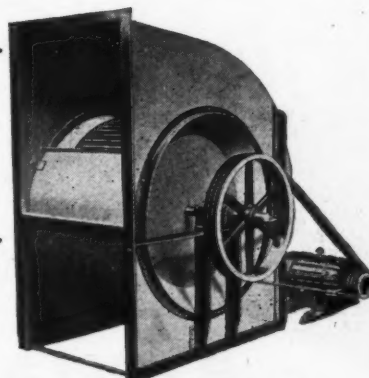
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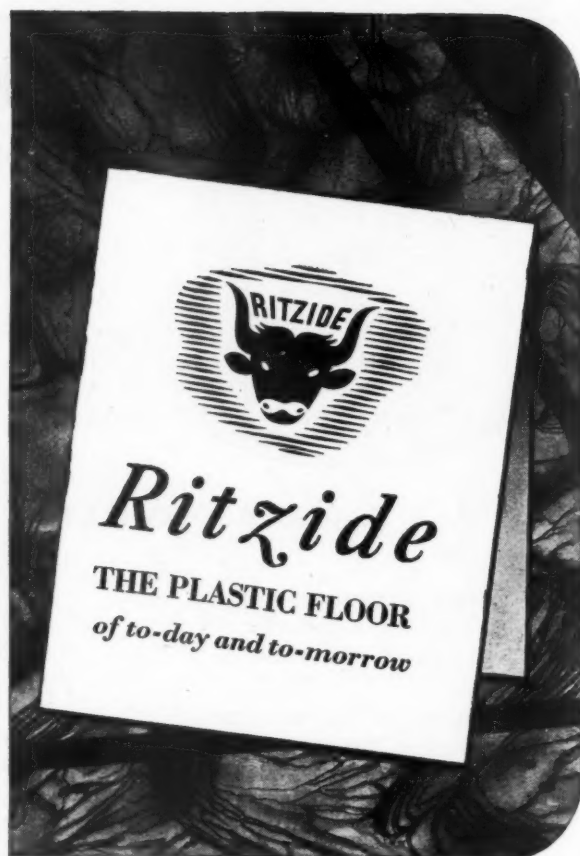
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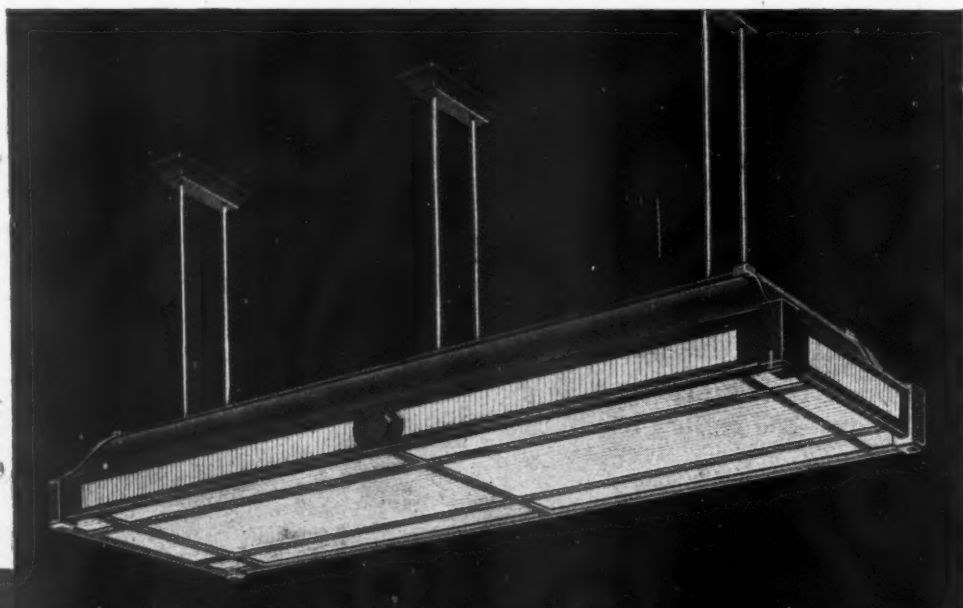
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1029

BEDFORDSHIRE COUNTY COUNCIL.**ASSISTANT ARCHITECTS.**

Applications are invited for the following posts on the permanent staff of the County Architect:—
ASSISTANT ARCHITECT (A.P.T., Grade VI, £595-£660). Experience required in the design and construction of Schools and/or other public buildings.

ASSISTANT ARCHITECTS (A.P.T., Grade IV, £480-£525). Ability required in the preparation of detail drawings and specifications.

ASSISTANT ARCHITECTS (A.P.T., Grade II, £420-£465). Good training and neat draughtsmanship required.

The appropriate R.I.B.A. qualification in the above posts will be an advantage.

Appointments are subject to the Local Government Superannuation Act, 1937, and to the Scheme of Conditions of Service of the National Joint Council.

A special allowance of 25s. per week is paid to any officer who is unable to find housing accommodation and is forced to maintain his family in another home.

Applications, on forms to be obtained from the County Architect, Shire Hall, Bedford, should be delivered to the undersigned on or before 24th December, 1948.

J. B. GRAHAM,

Clerk of the County Council.

Shire Hall, Bedford.
2nd December, 1948.

1098

COUNTY BOROUGH OF WEST HAM. BOROUGH ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.

Applications are invited for the following established posts:—

(a) **CHIEF ASSISTANT-TOWN PLANNING** (£850 × £50—£1,000 p.a.).

Applicants must have had considerable experience in redevelopment of war damaged and obsolescent areas; examination of Development Applications; preparation of evidence for Public Inquiries; and Committee work. Preference given to those who are A.R.I.B.A., A.M.T.P.I.

Successful applicant to take charge of Town Planning Section.

(b) **ASSISTANT ARCHITECT. A.P.T., VI** (£595 × £20 × £20—£660).

Applicants should be A.R.I.B.A., and experienced in Housing or Education works.

(c) **ARCHITECTURAL ASSISTANTS. A.P.T., II** (£420 × £15—£465).

Applicants should be Students of R.I.B.A. and have had two years' office experience.

(d) **CLERK/SHORTHAND TYPIST. General Division** (male, £160 at 18 yrs.—£385 at age 32; female, £128 at 18 yrs.—£308 at 32, with additional payment up to age 29 if suitably qualified).

Applicants must be competent shorthand typists and experience in Architect's or Builder's office an advantage.

Plus London allowance in respect of (b) to (d).

Details, together with application form (returnable by 1st January, 1949), may be obtained from Borough Architect and Planning Officer, 70, West Ham Lane, E.15.

1027

COUNTY BOROUGH OF EASTBOURNE.**BOROUGH ENGINEER'S DEPARTMENT.****APPOINTMENT OF ASSISTANT ARCHITECTS.**

Applications are invited for the under-mentioned posts, on the Staff of the Borough Engineer:—

(a) **ONE ASSISTANT ARCHITECT. Grade A.P.T., VIII, £685-£760 p.a.**

(b) **ONE ASSISTANT ARCHITECT. Grade A.P.T., VI, £595-£660 p.a.**

The successful applicants will be engaged in the design and construction of a large mixed Modern Secondary School, and experience of this or other type of new School will be an asset.

Applicants should be Associate Members of the Royal Institute of British Architects, and should have had good experience in the design, supervision and construction of new buildings.

The appointments are subject to the National Joint Council's Conditions of Service, and the Local Government Superannuation Act, 1937.

Applications, giving full details of qualifications and experience, together with the names and addresses of two persons from whom references can be obtained, should be forwarded in an envelope endorsed with the title of the appointment applied for, to this Office, so as to reach the same not later than Thursday, the 30th December, 1948.

RAYMOND WILLIAMS, B.Sc.,
A.M.I.C.E.,
Borough Engineer.

2/4, Saffrons Road, Eastbourne.
29th November, 1948.

1023

LONDON COUNTY COUNCIL.

Applications are invited for unestablished positions of (i) **ARCHITECT, Grade III** (salaries up to £700 a year) and (ii) **ARCHITECTURAL ASSISTANTS** (salaries up to £580 a year), in the Housing and Valuation Department. Commencing salaries in either grade will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

Successful candidates will be required to undertake the design, layout and preparation of working drawings for housing schemes (cottages and multi-storey flats), and will be employed in the Housing Architect's Division. Preference will be given to candidates holding a recognized professional qualification.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required, and quote Ref. G.R.3). Canvassing disqualifies. (2269)

1046

BOROUGH OF COLCHESTER.**BOROUGH ENGINEER'S DEPARTMENT.****ARCHITECTURAL SECTION.**

Applications are invited for the appointment of

TEMPORARY ARCHITECTURAL ASSISTANT. Salary Grade II, £420 p.a., A.P.T. Division of the National Scale of Salaries.

Applicants for the appointment should have passed the Intermediate examination R.I.B.A., or be of equivalent standard, and those who have had previous experience with Local Authorities' Housing Schemes would be preferred.

The appointment is subject to one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by copies of not more than two recent testimonials, must be delivered to Mr. J. S. Orchard, A.M.I.C.E., Borough Engineer, Town Hall, Colchester, as soon as possible, but not later than Monday, 3rd January, 1949.

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

N. CATCHPOLE,

Town Clerk.

Town Hall, Colchester.
7th December, 1948.

1131

Amended Advertisement.**CARDIGANSHIRE COUNTY COUNCIL.****COUNTY PLANNING DEPARTMENT.**

Applications are invited for the appointment of **PLANNING ASSISTANT, A.P.T., Grade III** (£460 × £15—£495), in the Development Surveys Section of the above Department. The commencing salary within the grade will be determined according to the qualifications and experience of the successful applicant.

Applicants must have had previous planning experience, and preference will be given to those who have passed the Intermediate examination of the Town Planning or other Technical Institution.

The successful candidate will be engaged on the preparation of the County Development Plan, and experience in the preparation of estate layouts for Municipal and other housing development, including ancillary social services connected therewith, is essential.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, the National Joint Council's Scheme of Conditions of Service, the passing of a satisfactory medical examination, and to one month's notice on either side.

Applications should give details of age, whether married or single, education, technical training, qualifications, present and previous appointments and experience. Copy of one recent testimonial and name and address of two persons to whom reference may be made, should be submitted. Applications should reach the undersigned not later than 29th December, 1948.

NORMAN GREENWOOD,

Acting Clerk to the Committee.

Cambrian Chambers, Aberystwyth.
2nd December, 1948.

1072

COUNTY BOROUGH OF ROTHERHAM.**ASSISTANT ARCHITECT.**

Applications are invited for the appointment of an Architectural Assistant, in the office of the Borough Engineer, at a commencing salary of £635, rising by annual increments to a maximum of £710 per annum.

Applicants must be Associate Members of the Royal Institute of British Architects, and preferably with experience in the service of a Local Authority.

The post is superannuable, and the candidate selected for appointment will be required to pass a medical examination.

The appointment will be subject to the conditions of service adopted by the Council and based on the National Scheme of Conditions of Service. It will be determinable by one month's notice on either side.

The Council will endeavour to provide the successful candidate with housing accommodation if deemed necessary.

Applicants must state whether they are related to any member or officer of the Rotherham County Borough Council. Deliberate omission to disclose any such relationship will disqualify any candidate.

Canvassing of members of the Council, whether direct or indirect, will disqualify.

Applications, endorsed "Architectural Assistant," stating age, qualifications and experience, accompanied by copies of three recent testimonials, should be delivered to the undersigned not later than the 31st December, 1948.

JOHN S. WALL,
Town Clerk.

Municipal Offices, Rotherham, Yorks.
1074

WEST SUSSEX COUNTY COUNCIL.**COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments:—

(a) **ASSISTANT ARCHITECT. A.P.T., V** (£530-£570).

(b) **JUNIOR ASSISTANT ARCHITECT. A.P.T., I** (£390-£435).

(c) **TEMPORARY CLERK OF WORKS.** Consolidated salary at the rate of £12 per week, payable monthly. Candidates must have had considerable experience in supervision of very large building works.

(d) **TEMPORARY CLERK OF WORKS.** Consolidated salary at the rate of £10 per week, payable monthly. Candidates must have had experience in supervision of large buildings works. Further particulars in respect of each of these appointments should be obtained from F. R. Steele, F.R.I.B.A., F.R.I.C.S., M.T.P.I., County Architect, County Hall, Chichester, to whom detailed applications must be submitted not later than the 22nd December, 1948.

T. C. HAYWARD,

Clerk of the County Council.

County Hall, Chichester.

3rd December, 1948.

1069

COUNTY BOROUGH OF DARLINGTON.**BOROUGH ARCHITECT'S DEPARTMENT.**

Applications are invited for the permanent appointment of **TWO ASSISTANT ARCHITECTS. Salary, Grade V** (£520-£570).

The Corporation hope to be able to make available self-contained flats for successful married candidates in need of housing.

These appointments offer scope for good experience on all types of Municipal work, including Housing and Education, and preference will be given to candidates with such experience and with recognized qualifications.

Applications, stating age, qualifications, present appointment and salary, and previous experience, accompanied by copies of recent testimonials and names and addresses of two referees, should be delivered to E. A. Tornaboni, A.R.I.B.A., A.M.T.P.I., Borough Architect, Central Buildings, Darlington, not later than Monday, 20th December, 1948.

1068

**COUNTY OF CAERNARVON.
ARCHITECT'S DEPARTMENT.
APPOINTMENT OF DEPUTY COUNTY
ARCHITECT.**

Applications are invited for the appointment of Deputy County Architect in the service of the Caernarvonshire County Council, at a salary of £900 x £25—£1,000 per annum.

Candidates must be Registered Architects and Fellows or Associates of the Royal Institute of British Architects, with considerable experience in the service of a Local Authority, particularly in the design and construction of public and educational buildings, and houses, with good general experience in the handling of contracts.

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

Knowledge of Welsh is desirable. The appointment is terminable by three months' notice on either side.

Applications, in plain sealed envelopes endorsed "Deputy County Architect," should be forwarded to the undersigned (from whom forms of application may be obtained) as soon as possible and, in any case, not later than Saturday, 31st January, 1949.

Canvassing in any form will disqualify, and relationship to any member or senior officer of the County Council must be disclosed.

GWILYM T. JONES,

Clerk of the County Council.

County Offices, Caernarvon.
9th December, 1948. 1139

**COUNTY BOROUGH OF DEWSBURY.
BOROUGH ARCHITECT AND BUILDINGS
SURVEYOR'S DEPARTMENT.**

Applications are invited for the following appointments in the Borough Architect and Buildings Surveyor's Department:

(a) CHIEF TOWN PLANNING ASSISTANT. Grade A.P.T., VI. Salary £595-£660 per annum.

(b) ARCHITECTURAL ASSISTANT (EDUCATION). Grade A.P.T., V. Salary £520-£570 per annum.

(c) ARCHITECTURAL ASSISTANT (GENERAL). Grade A.P.T., IV. Salary £480-£525 per annum.

Conditions of appointments may be obtained from the Borough Architect and Buildings Surveyor, Town Hall, Dewsbury.

Applications, stating age, qualifications, experience, etc., accompanied by copies of three recent testimonials, must be delivered to me by Friday, 31st December, 1948, in envelopes suitably endorsed.

A. NORMAN JAMES,

Town Hall, Dewsbury.

Town Clerk.

6th December, 1948. 1112

**COUNTY BOROUGH OF WEST HARTLEPOOL.
Applications are invited for the appointment of ASSISTANT QUANTITY SURVEYOR, Grade A.P.T., III (£450-£495), on the staff of the Borough Architectural Department.**

The appointment is subject to the Scheme of Conditions of Service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services (with the exception of paragraph 39), and the provisions of the Local Government Superannuation Act, 1937. The successful applicant will be required to pass a medical examination. The appointment will be subject to one month's notice in writing on either side.

The Council are prepared to consider the allocation of housing accommodation to the successful applicant if required.

Applications, stating age, qualifications, present appointment, details of experience, together with copies of recent testimonials, are to be sent to S. M. Richmond, F.R.I.B.A., A.M.T.P.I., Borough Architect, Municipal Buildings, West Hartlepool, not later than 29th December, 1948.

ERIC J. WAGGOTT,

Town Clerk.

West Hartlepool.
December, 1948. 1128

**Amended Advertisement.
NORTHAMPTONSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments in A.P.T., Grade III to Grade V (salary scales £450-£570), the initial salaries to be determined according to experience.

(a) ASSISTANT ARCHITECTS (TWO). Candidates should be preparing for Associate Membership of the R.I.B.A. and have good general experience in the design and construction of public buildings, including schools. Training at one of the recognized schools of architecture will be an asset.

(b) ASSISTANT QUANTITY SURVEYOR. Candidates must be capable of undertaking all stages of work in the preparation of bills of quantities, specifications and preliminary estimates. Preference will be given to members or students of the R.I.C.S.

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

Forms of application may be obtained from the County Architect, County Hall, Northampton, to whom applications, accompanied by a copy of one recent testimonial, must be delivered not later than the 15th January, 1949.

J. ALAN TURNER,

Clerk of the County Council.

County Hall, Northampton.
9th December, 1948. 1104

BOROUGH OF SWINDON.

Applications are invited for the following appointments on the staff of the Borough Architect and Planning Officer:—

(a) ARCHITECTURAL ASSISTANT, at a salary in accordance with A.P.T., Grade III (£450-£495), of the National Scales. Applicants must have had experience in housing and the general architectural work of a Local Authority, and should be Associate Members of the Royal Institute of British Architects.

(b) GENERAL CLERK, at a salary in accordance with the General Division of the National Scales. Applicants, who should be under 21 years of age and hold the General Schools Certificate, will be employed in the Quantity Surveying Section of the Department, and will have opportunity for training in this work.

The above appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination, and will be determinable on one month's notice on either side.

(c) TEMPORARY ARCHITECTURAL ASSISTANT, at a salary of £7 per week inclusive, for a period not exceeding two years. Applicants should have had experience in the general architectural work of a Local Authority.

Applications, on forms obtainable from me, must be returned not later than 1st January, 1949.

Canvassing in any form will be deemed a disqualification.

D. MURRAY JOHN,

Town Clerk.

Civic Offices, Swindon.
8th December, 1948. 1127

**SOUTH-WESTERN REGIONAL HOSPITAL.
BOARD.**

Applications are invited for the post of PRINCIPAL ASSISTANT ARCHITECT to the Board.

Candidates must be Members of the Royal Institute of British Architects and have had considerable experience in hospital design.

Salary £800 per annum, rising by annual increments of £25 to £950 per annum, the commencing salary to be fixed according to the experience of the successful applicant.

The appointment will be subject to the provisions of the National Health Service (Superannuation) Regulations, and the successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications and experience, and giving the names and addresses of three referees, should reach the Secretary of the Board at No. 6, Elton Road, Tyndall's Park, Bristol, not later than the 30th December, 1948.

1100

CITY AND COUNTY OF WINTERBURY.

Applications are invited for the position of TOWN PLANNING ASSISTANT, in the office of the City Surveyor. Applicants must have had experience in the carrying out of basic surveys, the replanning of built-up areas, and have sound knowledge of control and development procedure.

Preference will be given to candidates possessing a recognized planning qualification. The salary will be in accordance with A.P.T., Grade V (A) (£550-£610). The appointment is to the permanent staff under the direction of the Joint Planning Officers, is subject to one month's notice on either side, and to a successful medical examination. Arrangements are being made for housing accommodation. Applications, endorsed "Town Planning Assistant," giving age, full particulars of experience and qualifications, and names and addresses of two persons to whom reference may be made, should be received by Mr. H. M. Enderby, O.B.E., M.I.Mun.E., City Surveyor and Joint Planning Officer, not later than the 31st December, 1948.

J. BOYLE,

Town Clerk.

Municipal Buildings, Canterbury.
December, 1948. 1103

CORPORATION OF GREENOCK.

Applications are invited for the following positions in the Master of Works Department of the Corporation:—

CHIEF PLANNING ASSISTANT.
SENIOR PLANNING ASSISTANT.

Applicants for these positions should have had adequate training and experience of all phases of Town and Country Planning Work, and in addition to an engineering or architectural qualification should have qualified for Associate Membership of the Town Planning Institute.

The successful applicants will be engaged on such works as Large Scale Redevelopment, Projects, in the lay-out of new Neighbourhood Units, the Control of Development, and the preparation including services of the Town Planning Scheme for the Borough.

The salary payable to the Chief Planning Assistant will be in accordance with A.P.T., VI, of the National Joint Industrial Council's Scale of Salary, viz., £595-£660, and in respect of the Senior Planning Assistant the appropriate scale will be A.P.T., III, viz., £450-£495.

The successful applicants will require to contribute to the Corporation's Superannuation Scheme.

Applications, stating age, qualifications and experience, and accompanied by copies of not more than three recent testimonials, should be submitted to the undersigned on or before 8th January, 1949.

A. H. GRAY,

Town Clerk.

Municipal Buildings, Greenock.
7th December, 1948. 1125

**ARCHITECTURAL AND HOUSING
CITY OF LIVERPOOL.
DEPARTMENT.**

Applications are invited for the following appointments:

QUANTITY SURVEYOR'S SECTION.
(a) ONE SENIOR ASSISTANT QUANTITY SURVEYOR. A.P.T., Grade VIII, £685-£760.

ARCHITECTURAL (HOUSING) SECTION.
(b) TWO ASSISTANT ARCHITECTS. A.P.T., Grade VI, £595-£660.

(c) ONE ASSISTANT ARCHITECT. A.P.T., Grade V, £520-£570.

ARCHITECTURAL (GENERAL SCHOOLS, etc.) SECTION.
(d) ONE ASSISTANT ARCHITECT. A.P.T., Grade VI, £595-£660.

(e) ONE STRUCTURAL STEEL ENGINEER. A.P.T., Grade V, £520-£570.

ARCHITECTURAL (REDEVELOPMENT) SECTION.
(f) ONE ASSISTANT ARCHITECT. A.P.T., Grade VI, £595-£660.

(g) ONE ASSISTANT ARCHITECT. A.P.T., Grade V, £520-£570.

(h) ONE ASSISTANT ARCHITECT. A.P.T., Grade IV, £480-£525.

Candidates for (a) must be members or prospective members of the R.I.C.S. (Quantities Section), with an extensive experience in preparing Bills of Quantities, interim valuations, settlement of final accounts, and estimating for all classes of Building and Road and Sewer Works. They should be capable of supervising junior staff, and experience in Local Government Service is desirable but not essential.

Candidates for (b) and (c) should have had experience, preferably in Housing, in Local or Central Government Service.

Candidates for (d) Experience preferably in the design and erection of school buildings and general architectural practice.

(e) Experience in design and detailed working drawings for steel and reinforced concrete construction, and used to working in close co-operation with the Architect in charge of work.

For positions (f), (g) and (h) Town Planning experience and aptitude for design, layouts, and perspectives.

Candidates for Architectural appointments must also be members of the Royal Institute of British Architects.

Those candidates who wish to be considered for more than one of the vacancies should state so in their applications.

All the appointments will be superannuable and subject to the Standing Orders of the City Council, which include requirements to pass a medical examination, and to devote whole time to the duties of the appointments.

Form of application may be obtained from and must be returned to the City Architect and Director of Housing, Blackburn Chambers, Dale Street, Kingsway, Liverpool, 2, endorsed "Application," adding the title of the post or posts applied for as set out (a) to (h) above, accompanied by copies of three recent testimonials, not later than 29th December, 1948.

Canvassing disqualifies.

THOMAS ALKER,

Town Clerk.

Liverpool.
December, 1948. 1114

STEVENAGE DEVELOPMENT CORPORATION.

Applications are invited for the post of CHIEF QUANTITY SURVEYOR, in the Department of Architecture and Planning (Chief Architect and Planner, Clifford Holliday, M.Arch., F.R.I.B.A., M.T.P.I.). Candidates must be Members of the Royal Institution of Chartered Surveyors (Quantities) and have had considerable experience in large-scale contracts. The salary offered is on the range of £1,250 to £1,500 per annum. The selected candidate will be required to contribute to a Local Government Superannuation Fund or an Insurance Scheme.

Respect of housing accommodation later.

Relationship to any member of the Corporation or staff must be disclosed by applicants.

Canvassing, directly or indirectly, of members or staff of the Corporation will constitute an absolute disqualification.

Forms of application may be obtained from the Chief Administrative Officer, Stevenage Development Corporation, Aston House, near Stevenage, and should be returned not later than 31st December, 1948.

1102

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

Applications are invited for the under-mentioned appointment on the established staff of the County Architect's Department:—

QUANTITY SURVEYOR (A.P.T., Grade VI), £595-£660 p.a.

Applicants must have the requisite experience in preparation of Bills of Quantities, but previous Local Government service is not essential.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the Scheme of Conditions of Service of the National Joint Council.

A special allowance of 25s. per week is paid to any officer who is unable to find housing accommodation and is forced to maintain his family in another home.

Forms of application can be obtained from the County Architect, Shire Hall, Bedford, and should be returned to reach the undersigned not later than 24th December, 1948.

J. D. GRHAM,

Clerk of the County Council.

Shire Hall, Bedford.
3rd December, 1948. 1095

BOROUGH OF MANSFIELD.

Applications are invited from suitably qualified persons for the under-mentioned appointments in the Borough Engineer and Surveyor's Department:—

Housing Accommodation: The Council will consider granting service tenancies if required.
(a) **SENIOR ARCHITECTURAL ASSISTANT.** A.P.T., Grade IV/V (£480×£515 to £570). Commencing salary to be fixed in accordance with qualifications and experience; preference will be given to persons who have passed the Final examination R.I.B.A.

(b) **GENERAL ARCHITECTURAL ASSISTANT.** A.P.T., Grade I (£390×£415 to £406). Preference will be given to persons who have passed the Intermediate R.I.B.A.
(c) **QUANTITY SURVEYING ASSISTANT.** A.P.T., Grade III (£450×£515 to £495). Commencing salary to be fixed in accordance with qualifications and experience; preference will be given to persons who have passed the Final examination of the R.I.C.S.

These appointments are subject to the following conditions:—

- (1) National Joint Council's Scheme of Salaries and Conditions of Service.
- (2) Superannuation Act, 1937, for which the successful candidate will be required to pass a medical examination.
- (3) Residence within the Borough.
- (4) Termination by either party at any time on giving one month's notice.

Applications, stating age, training, qualifications, experience, together with copies of not more than three recent testimonials, should be sent to the undersigned endorsed with the name of the appointment to be received, not later than Monday, 3rd January, 1949.

Canvassing, directly or indirectly, will disqualify.

A. C. SHEPHERD, Town Clerk.

Carr Bank, Mansfield.
4th December, 1948. 1071

HIS MAJESTY'S COLONIAL SERVICE.

THE COLONIAL ENGINEERING SERVICE. Vacancies exist in the Public Works Department, Cyprus, for a temporary Town Planning Officer (Reference 27381/21).

Candidates should be Corporate Members of the Town Planning Institute, and should preferably also possess Architectural qualifications. They should have had practical experience in the field of town planning. Candidates must be British subjects, physically fit and between the ages of 30 to 45.

The appointment is temporary in the first instance and on agreement for three years. Before the expiration of the period of engagement consideration will be given to the possibility of conversion to the permanent and pensionable establishment. Salary will be in the scale £300-£1,320 per annum; point of entry depending on age, experience, and approved war service.

An expatriation allowance of 15 per cent. of salary is payable, a temporary cost-of-living allowance which is liable to variations at any time is also payable. This amounts to £35 for a single man or £66 14s. 6d. for a married man, with additions for the first three children. Government quarters may be available at a low rent. Free passages to Cyprus for the officer, his wife and family, are provided on appointment and on satisfactory completion of the agreement. The duties of the post will be to establish a Government Town Planning Office; to advise in the preparation of town planning legislation, and to prepare and carry out any town planning schemes that may be approved.

Intending candidates should write before 30th January, 1949, to the Director of Recruitment (Colonial Service), 2. Sanctuary Buildings, Great Smith Street, S.W.1, stating age, professional qualifications, brief details of experience and reference number of the appointment. 1076

ANGLESEY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT. Applications are invited for the following permanent appointments in the County Architect's Department:—

(a) **ONE SENIOR ASSISTANT ARCHITECT.** Salary Grade VII, commencing at £635 per annum and rising to £710 per annum. Applicants should be Registered Architects and Members of the Royal Institute of British Architects, with considerable experience in the design of educational buildings, supervision of technical staff, etc.

(b) **ONE ARCHITECTURAL ASSISTANT.** Salary Grade III, commencing at £450 per annum and rising to £495 per annum. Applicants should have good experience of work undertaken by a Local Authority, and preference will be given to applicants who have passed the Intermediate examination of the Royal Institute of British Architects.

The appointments will be subject to the provisions of the Local Government Officers' Superannuation Act, 1937; candidates called for interview will be required to undergo a medical examination by the County Medical Officer. The appointments are also subject to one month's notice on either side.

Applications in plain envelopes, appropriately endorsed, stating age, training, qualifications, experience, and past and present appointments, and giving the names of two referees, and accompanied by a copy of one recent testimonial, should be delivered to the undersigned not later than Friday, 31st December, 1948.

WILLIAM JONES.

Shire Hall, Llangefni, Anglesey.
8th December, 1948. 1130

EAST SUFFOLK COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT. Applications are invited for the following posts, in the County Architect's Department:—

(a) **Grade A ASSISTANT ARCHITECTS.** A.P.T., Grades V and VI. Consolidated salary £520-£650.

(b) **Grade B ASSISTANT ARCHITECTS.** A.P.T., Grades III and IV. Consolidated salary £450-£525.

The commencing salary in the grades will be fixed according to the qualifications and experience of the candidate.

Applicants for appointment (a) must be Registered Architects, and preferably Associates of the R.I.B.A. The work to be dealt with is that normally carried out by a Local Authority. Candidates must be quick and accurate draughtsmen, capable of carrying a job through in all its stages, and with a sound knowledge of design, building construction and specifications, and must have had at least 5 years' office experience, excluding articles, etc.

Applicants for appointments (b) must be Registered Architects, and preferably members of the R.I.B.A. They must be quick and accurate draughtsmen, fully conversant with 1 in. scale, half inch and full size details for all types of buildings normally dealt with by a Local Authority, and have a good knowledge of design, construction and specifications.

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

Applications, stating age, qualifications, and full details of previous experience, accompanied by copies of three recent testimonials, should be sent to E. J. Symcox, F.R.I.B.A., County Architect, County Hall, Ipswich, not later than 30th December, 1948.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration.

G. C. LIGHTFOOT, Clerk of the Council.

County Hall, Ipswich. 1028

BOROUGH OF WIDNES.

APPOINTMENT OF BOROUGH ARCHITECT. Applications are invited for the appointment of Borough Architect, at a salary of £900 per annum, rising by annual increment of £50 to £1,000 per annum.

The person appointed will be required to take charge of the Architect's Department set up by the Council, which carries out all architectural work, including housing, schools and public buildings.

Applicants must have had considerable experience in Municipal Architectural work, they should be Associates of the Royal Institute of British Architects, and preference will be given to candidates possessing a University Degree in Architecture.

Applications, stating age, present and previous positions, technical training and qualifications (with dates), and concise particulars of experience, together with the names and addresses of three persons to whom reference may be made, must be delivered, endorsed "Borough Architect," to the undersigned on or before Friday, 31st December, 1948.

The appointment, which will be terminable by three months' notice on either side, is subject to the provisions of the Local Government Officers' Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination. The Conditions of Service will be those of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services. Canvassing will be a disqualification, and applicants must disclose any relationship to members of the Council.

The Corporation will provide a house for the successful candidate if required.

JAMES WALLACE,

Town Clerk.

Town Hall, Widnes.
1st December, 1948. 1051

NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.

DIVISIONAL ASSISTANT ARCHITECT.

TYNESIDE AREA. Applications are invited for the appointment of Divisional Assistant Architect, on the permanent staff of the Architect to the Board. Salary will be in accordance with Grade VIII of the A.P.T. Division of the National Scales, i.e., £685 per annum, rising by annual increments of £26 per annum to £760 per annum.

Candidates must be Members of the Royal Institute of British Architects, should be well versed in the design and construction of major buildings, and should possess a thorough knowledge of modern building practice and procedure. Previous hospital experience is desirable but not essential.

The person appointed will be the representative of the Board's Architect in the Tyneside area, and will be expected to reside in the district. The work will be principally administrative and will involve close liaison with the Hospital Management Committee in the Area and with "panel" architects carrying out works on behalf of the Board.

Application, stating (1) name and full address, (2) age and whether married, (3) degrees and professional qualifications, (4) experience, (5) present appointment and salary, (6) war service, (7) date available if appointed, (8) names and addresses of three referees, should be forwarded to the Secretary to the Board "Dunira," Osborne Road, Newcastle-upon-Tyne, 2, not later than Wednesday, 29th December, 1948. 1055

CORPORATION OF LONDON.

CITY SURVEYOR'S OFFICE. Applications are invited for the following appointments in the City Surveyor's office:—

ASSISTANT ARCHITECTS AND SURVEYORS. Salary £400 to £600 per annum (inclusive of consolidated bonus), according to age, qualification and experience.

Applicants, aged 25 to 35 years, should either have qualified or be about to qualify for Associate Membership of the Royal Institute of British Architects or Associate Membership of the Royal Institution of Chartered Surveyors (Building Sub-division).

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

Previous experience with a Municipal body is not essential.

Applications, endorsed "Technical Staff," to be made to George Holliday, F.R.I.C.S., City Surveyor, 55-61, Moorgate, E.C.2, giving the following particulars:—Service with Armed Forces, age, qualification or intentions in connection therewith, previous training, positions and experience, salary required, date when available to commence duties if selected, together with copies of two testimonials. 1054

DEPARTMENT OF HEALTH FOR SCOTLAND.

The Civil Service Commissioners announce vacancies for **PLANNING OFFICERS** and **ASSISTANT PLANNING OFFICERS**, on the permanent establishment of the Department of Health for Scotland, to be filled by competitive interview. The work ranges from regional planning to detailed design of central areas and housing layouts.

For posts other than those in the Planning Research Unit candidates must have professional qualifications in architecture, civil engineering or surveying; preference will be given to Corporate Members of the Town Planning Institute.

For posts in the Planning Research Unit (which is engaged in research concerning physical, social and economic conditions in Scotland), candidates must hold a University degree in geography, economics, or an allied subject, with at least Second Class Honours or equivalent.

Candidates for appointment as Planning Officers must be at least 30 years of age on 1st October, 1948; for appointment as Assistant Planning Officer, 28 and under 40 years of age on 1st October, 1948.

The inclusive salary scales for men are: (a) Planning Officers, £830 by increments of £30 (approximate) to £1,070 per annum; (b) Assistant Planning Officers, commencing £535-£635 per annum, according to age, with increments of £25 (approximate); special increment of £50 on satisfactory completion of 2 years probation; maximum of scale £780. The scales and rates of increment for women and for any posts outside Edinburgh and Glasgow are somewhat lower. The posts are pensionable under the Superannuation Acts.

There are also some vacancies for Planning Officers and Assistant Planning Officers on short-term non-pensionable engagements. Further particulars, with full information on the duties of the posts and application forms may be obtained from the Establishment Officer (Room 32), Department of Health for Scotland, St. Andrew's House, Edinburgh, 1. Completed application forms must be returned to the Department of Health for Scotland by 31st December, 1948. 537

COUNTY BOROUGH OF HUDDERSFIELD.

BOROUGH ARCHITECT'S DEPARTMENT. Applications are invited for the following appointments:—

(1) **ASSISTANT QUANTITY SURVEYOR**, at a salary in accordance with Grade A.P.T. IV, of the National Scales of Salaries (£480 per annum, rising to £525 by annual increments of £15).

(2) **ARCHITECTURAL ASSISTANT**, at a salary in accordance with Grade A.P.T. I, of the National Scales of Salaries (£390 per annum, rising to £435 by annual increments of £15).

Applicants for the position of Assistant Quantity Surveyor must have experience in the preparation of Bills of Quantities, Specifications, Estimates, and the settlement of Final Accounts, and preference will be given to Associates of the Royal Institute of Chartered Surveyors.

Applicants for the position of Architectural Assistant should have received the recognized training and be neat and expeditious draughtsmen, with a sound knowledge of construction. Housing accommodation will be made available if required.

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

Applications, suitably endorsed and accompanied by copies of not more than three recent testimonials, must reach the Borough Architect, High Street Buildings, Huddersfield, not later than the 31st December, 1948.

Canvassing, directly or indirectly, will disqualify.

HARRY BANN, Town Clerk.

Town Hall, Huddersfield.
December, 1948. 1129

**AYCLIFFE DEVELOPMENT CORPORATION.
APPOINTMENT OF ARCHITECT AND
ARCHITECTURAL STAFF.**

Applications are invited for the following appointments:—

(a) **ARCHITECT.** At a salary of £1,000 per annum, rising by annual increments of £50 to a maximum of £1,200.

(b) **ARCHITECTURAL ASSISTANTS**, on the following Grades:—

Grade VII (£635 per annum, annual increments of £25 to a maximum of £710 per annum).

Grade VI (£595 per annum, two annual increments of £20 and one of £25 to a maximum of £660).

Grade V (£520 per annum, two annual increments of £15 and one of £20 to a maximum of £570).

Applicants for the positions of Architectural Assistants must state the Grade for which they are applying.

Applicants for the Architect's position and for those of the Architectural Assistants on Grade VII and VI must be fully qualified.

All the appointments are subject to the Scheme of Conditions of Service as laid down by the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, and will also be subject to the Local Government Superannuation Act, 1937.

In the case of the Architect, the appointment will be terminable by three months' notice on either side, and the Architectural Staff will be subject to one month's notice on either side.

Applications, stating age, qualifications and experience, together with names and addresses of two referees, must be forwarded to reach the undersigned by the 15th January, 1949. Testimonials may be sent but are not essential.

The Corporation will endeavour to provide housing accommodation for any house under their control for persons appointed to their staff.

A. W. THOMAS,
General Manager.

Simpasture, Newton Aycliffe, near
Darlington, Co. Durham. 1116
November, 1948.

**GOVERNMENT OF NORTHERN IRELAND.
CIVIL SERVICE COMMISSION.**

Applications are invited for the post of **DEPUTY SENIOR QUANTITY SURVEYOR**, in the Works Division, Ministry of Finance, Northern Ireland. Subject to a probationary period of two years the post will be permanent and pensionable.

Qualifications:—

Candidates must be British subjects and Fellows or Associates of the Royal Institution of Chartered Surveyors (Quantity Surveying Section). They must be thoroughly proficient in all branches of quantity surveying, including the interpretation of contract documents and the settlement of large and intricate final accounts. Experience in the supervision of staff is an essential qualification, and experience in engineering as well as architectural services will be an advantage.

Remuneration:—

The salary, scale attaching to the appointment is £260, rising by annual increments of £30 to £1,100 per annum (inclusive).

Preference will be given to suitably qualified ex-Servicemen of the 1914-18 or the 1939-45 war, provided they can or, within a reasonable time, will be able to fill the post efficiently.

Closing date:—

Applications must be made on the prescribed form, which may be obtained from the Secretary, Civil Service Commission, Stormont, Belfast, and must be returned, duly completed, with copies of two recent testimonials, so as to reach him not later than 5th January, 1949. 1118

**BOROUGH OF DAGENHAM.
CHIEF ARCHITECTURAL ASSISTANT.**

The Council invite applications for this permanent appointment, Grade VI, salary £595-£660 p.a., plus London weighting. Applicants must be Registered Architects, and preference will be given to those holding the A.R.I.B.A. or similar qualifications.

Forms of application from the Borough Engineer and Surveyor.

Closing date 29th December, 1948. Canvassing disqualifies.

The Council are unable to provide housing accommodation.

KEITH LAUDER,
Town Clerk. 1119

Civic Centre, Dagenham.

**BOROUGH OF CAMBRIDGE.
BOROUGH SURVEYOR'S DEPARTMENT.**

Applications are invited for the following permanent appointments in connection with school and general architectural work:—

(a) **ONE ARCHITECTURAL ASSISTANT**, Grade III. Salary £450-£495 per annum.

(b) **ONE ARCHITECTURAL ASSISTANT**, Grade I. Salary £390-£435 per annum.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the Scheme of Conditions of Service of the National Joint Council for Local Authorities. Each appointment will be subject to one month's notice in writing on either side.

Applications, endorsed appropriately, stating age, married or single, qualifications, training and experience, and giving particulars of salaries of present and past appointments and the names of three persons to whom reference may be made, must be delivered to T. V. Burrows, A.M.I.C.E., Borough Surveyor, not later than Saturday, 8th January, 1949.

C. H. KEMP,
Town Clerk. 1099

The Guildhall, Cambridge.

**CITY OF BRADFORD.
CITY ENGINEER AND SURVEYOR'S
DEPARTMENT.**

APPOINTMENT OF TWO SENIOR TOWN PLANNING ASSISTANTS, ONE GRADE A.P.T., VI—ONE GRADE A.P.T., V.

Applications are invited for the positions of Senior Town Planning Assistants in the City Engineer and Surveyor's Department; one appointment in accordance with Grade A.P.T., V, of the National Scales of Salaries (£520-£760 per annum), and one appointment in accordance with Grade A.P.T., VI (£595-£660 per annum).

Candidates should be Associates of the R.I.B.A., and hold a University Degree or Diploma in Architecture, or the final examination of a recognised School of Architecture with experience in Town Planning. The final examination of one of the following bodies would be an advantage, Inst.C.E., Inst.Mun.E., Surveyors' Institution.

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

Canvassing will disqualify, and any applicant who is related to a member of, or a Senior Officer of, the Council, must disclose the fact in his application.

Applications, stating age, present and previous appointments, qualifications and experience, accompanied by copies of three recent testimonials, should reach the undersigned not later than December 31, 1948.

W. H. LEATHEM,
Town Clerk. 1077

Town Hall, Bradford.

ISLE OF MAN LOCAL GOVERNMENT BOARD.

Applications, stating age, present position and in the Office of the Architect and Planning Officer to the Isle of Man Local Government Board:—

(1) **SENIOR ARCHITECTURAL ASSISTANT**, at a salary of £595 per annum, rising by annual increments of £15 to a maximum of £660 per annum.

(2) **JUNIOR ARCHITECTURAL ASSISTANT**, at a salary of £350 per annum, rising by annual increments of £15 to a maximum of £435 per annum.

Candidates for (1) should be Associates of the R.I.B.A., and candidates for (2) should have at least reached the stage of preparing for examination of the R.I.B.A. or alternatively the R.I.C.S. The positions will give opportunity and scope in the newly formed Department of Architect and Planning Officer of the Board, and will embrace both Public Authority building and planning.

Subject to the approval of His Excellency the Lieutenant-Governor each post will be declared pensionable (on a contributory basis) for the purposes of the Isle of Man Officers of Boards (Superannuation) Scheme, 1934.

Applications are invited for the following posts salary, qualifications and experience, and accompanied by copies of not more than three recent testimonials, should be sent to the undersigned to reach him not later than the 23rd December, 1948.

W. H. KARRAN,
Secretary. 1032

6, Mount Havelock, Douglas, Isle of Man.

**ANGLESEY COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.**

Applications are invited for the following appointments in the County Planning Officer's Department, in accordance with the Scheme of Conditions of Service of the National Joint Council for Local Authorities:—

(a) **ONE PLANNING ASSISTANT** Grade A.P.T., IV (£480-£515-£525).

(b) **ONE JUNIOR PLANNING ASSISTANT**, Grade A.P.T., I (£390-£415-£435).

Applicants for (a) should have considerable experience in the preparation of basic surveys, statistics, and the control of development. Studentship of the Town Planning Institute will be an advantage.

Applicants for (b) should have had at least two years' experience in a planning office, and should be neat and expeditious draughtsmen and colourists.

The appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and applicants who are called for interview will be required to undergo the Council's medical examination.

Applications, stating appointment applied for, age, qualifications, experience, present and previous appointments, and accompanied by copies of two recent testimonials, should be delivered to the undersigned by 31st December, 1948.

WILLIAM JONES,
Clerk of the County Council. 1113

Shire Hall, Llangefni.

**CITY OF NOTTINGHAM.
HOUSING ARCHITECT'S DEPARTMENT.**

Applications are invited for the appointment of **ASSISTANT QUANTITY SURVEYOR** in the above Department, at a salary in accordance with A.P.T., Grade II (£420-£455-£465 per annum).

This appointment is in accordance with the National Joint Council's Scheme of Conditions of Service, and will be subject to the Local Government Superannuation Act, 1947.

The successful candidate will be required to pass a medical examination.

Applications, accompanied by copies of two recent testimonials, must reach me not later than Wednesday, 29th December, 1948.

J. E. RICHARDS,
Town Clerk. 1096

The Guildhall, Nottingham.

**GOVERNMENT OF BIHAR.
TOWN PLANNER, in the service of the Government of Bihar, India.**

Qualifications: Degree or diploma in Architecture, A.R.I.B.A. or equivalent, and A.M.T.P.I. or equivalent. At least two years' town planning experience on post-war schemes. Ability to take charge of a Planning Office, train technical staff, conduct Civic Surveys and prepare reports. High standard of ability in architectural design desired.

Contract for two years. Pay up to equivalent of £900 per annum, according to qualifications, experience, etc. Free passage to and from India.

Further particulars and forms of application on request by postcard, quoting No. 438E, from the High Commissioner for India, General Department, India House, Aldwych, London, W.C.2.

Last date for receipt of completed applications 22nd January, 1949. 1115

EAST SUSSEX COUNTY COUNCIL.

Applications are invited for appointment to the post of **TECHNICAL PLANNING ASSISTANT**, in the County Planning Office. The salary is on Grade A.P.T., IV, of the National Scales, namely £480, rising by annual increments of £15 to a maximum of £525. Applicants must be capable draughtsmen, must have had experience in a planning department, and must have passed an Intermediate or Final examination of a suitable professional body. The successful candidate will be required to work at the headquarters office, Lewes, to assist in the general work of the office, and to be responsible for the maintenance of record maps of applications for planning permission, etc.

The appointment is terminable by one month's notice on either side; it is superannuable, and a candidate to be successful must pass a medical examination to the satisfaction of the County Medical Officer. Canvassing, either directly or indirectly, will disqualify, and a candidate who is related to a member of, or a Senior Officer under, the Council must disclose the fact in his application.

Applications, stating age and giving particulars of experience, must be sent to me at the County Hall, Lewes, by 8th January, 1949, with names of two persons to whom reference may be made.

H. S. MARTIN,
Clerk of the County Council. 1145

County Hall, Lewes.

**BROMSGROVE URBAN DISTRICT COUNCIL.
ARCHITECTURAL ASSISTANT.
AMENDED ADVERTISEMENT—HOUSING
ACCOMMODATION PROVIDED.**

The Council invite applications for the appointment of an Architectural Assistant, on the staff of the Engineer and Surveyor, at a consolidated salary in accordance with Grade V, A.P.T. Division of the National Scales (£520-£570 per annum), together with a car allowance not exceeding 8 h.p. in accordance with the National Scale.

Applicants should hold an Architectural qualification by examination, and should have had experience in preparing plans and specifications for architectural work usually undertaken by a Local Authority, and in particular housing.

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

The Council will be prepared to allocate a Council house to the successful applicant if desired.

Applications, stating age, and giving full particulars of qualifications and experience, together with one copy of a recent testimonial, must be delivered to the undersigned, not later than Wednesday, the 5th January, 1949.

In addition the names of two persons to whom reference can be made must be enclosed with the application.

F. A. JESSOP,
Clerk of the Council. 1137

Council House, Bromsgrove.

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

Applications are invited for the appointment of **ASSISTANT ARCHITECT**, Grade VI, at a commencing salary of £595, rising by annual increments of £20-£25 to a maximum of £660, plus London allowance of £30 per annum.

Applicants must be Associate Members of the Royal Institute of British Architects, and should have had a good training and an adequate experience in the design and construction of modern buildings.

It is desirable that applications should be accompanied by a small sample of the applicant's work.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-on-Thames, not later than 1st January, 1949.

Canvassing, directly or indirectly, will disqualify a candidate from consideration.

The Council will be unable to provide any housing accommodation, and the successful candidate will be expected to make his own arrangements in this direction.

DUDLEY AUKLAND,
Clerk of the Council. 1136

County Hall, Kingston-on-Thames.

BOROUGH OF JARROW.

BOROUGH ENGINEER'S DEPARTMENT.
ARCHITECTURAL ASSISTANT (GRADE IV).
 Applications are invited for the appointment of ARCHITECTURAL ASSISTANT for Housing Work. Applicants should have an approved Architectural qualification and sound experience, particularly in housing.

The salary will be in accordance with Grade IV, A.P.T. Division, £480-£525. The successful applicant will be required to pass a medical examination by the Council's Medical Officer.

Applications, endorsed "Architectural Assistant," stating age, present and previous appointment and experience, together with the names and addresses of three referees, to be received by the undersigned by 8th January, 1949.

Canvassing, directly or indirectly, will disqualify, and applicants must state whether or not they are related to any member of or any Senior Officer of the Council.

CHARLES S. PERKINS,

Town Clerk.

Town Hall, Jarrow.
 8th December, 1948. 1138

COUNTY BOROUGH OF NORTHAMPTON.
BOROUGH ARCHITECT'S DEPARTMENT.
ARCHITECTURAL ASSISTANTS.

(a) Two in A.P.T., III, (£450-£495).

(b) Two in Miscellaneous, I (£315-£360).

Particulars of the above appointments and forms of application, which must be returned by 31st December, may be obtained from the undersigned. Candidates for appointments (a) should be experienced in the preparation of working drawings and estimates and in the writing of specifications for minor works of a general character.

Candidates for appointments (b) should have had experience in the general duties of an Architect's office and should be capable of producing working drawings and details under supervision. The work in hand includes new schools, flats, housing, and a general variety of miscellaneous works, and opportunities will be available for experience in all branches of the profession.

C. E. VIVIAN ROWE,

Town Clerk.

Guildhall, Northampton. 1141

BOROUGH OF BRIDGWATER.

(a) Appointment of QUANTITY SURVEYOR (TEMPORARY).
 (b) Appointment of ARCHITECTURAL ASSISTANT (TEMPORARY).

Applications are invited for the following appointments in the Borough Engineer's Department:—

(a) QUANTITY SURVEYOR (TEMPORARY). Salary A.P.T., VI, £595, rising to £660 per annum.

(b) ARCHITECTURAL ASSISTANT (TEMPORARY). Salary A.P.T., III, £450, rising to £495 per annum.

Applicants for appointment (a) must be experienced and capable of preparing bills of quantities, estimates, measuring up and settlement of accounts for building works, chiefly Municipal Housing Schemes, and preference will be given to applicants who are members of the Royal Institute of Chartered Surveyors (Quantity).

Applicants for appointment (b) should have had experience in the preparation of surveys, plans, details, specifications, and have sound knowledge of design and construction of building works, chiefly Municipal Housing Schemes, and preference will be given to applicants who have passed the Intermediate examination of the Royal Institute of British Architects.

Both appointments are subject to the National Conditions of Service and the Local Government Superannuation Act, 1937.

The duration of the appointments will depend upon the continuity and scope of the Council's housing programme, but subject to satisfactory service is likely to be for at least three years.

The appointments will be terminable by one month's notice on either side, and the successful candidates will be required to pass a medical examination.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, should be delivered to the undersigned not later than the 3rd January, 1949.

Canvassing, directly or indirectly, will be deemed a disqualification, and candidates should state in their applications whether they are related to any member or senior officer of the Council.

H. A. CLIDERO,

Town Clerk.

Town Hall, Bridgewater.
 7th December, 1948. 1140

CITY OF PORTSMOUTH.

Applications are invited from Associates of the Royal Institute of British Architects for the permanent appointment of ASSISTANT SENIOR ARCHITECT (Grade VII, £635-£710), in the City Architect's Department.

The post is subject to the National Scheme of Conditions of Service, the passing of a medical examination, and is determinable by one month's notice on either side.

Applications, with copies of not more than three recent testimonials, must reach the undersigned not later than 10 a.m. on Monday, 31st January, 1949.

Canvassing will disqualify.

V. BLANCHARD,

Town Clerk.

City Council Chambers, 1, Clarence Parade,
 Southsea. 1097

LEEDS REGIONAL HOSPITAL BOARD.

Applications are invited for the under-mentioned appointments in the Architect's Section on the Headquarters Staff:—

TECHNICAL STAFF:—
 (a) ASSISTANT ENGINEER. Salary scale £750-£900.

Good experience of hospital heating and hot water installation, design and operation, preparing technical reports, advising the Architect to the Board and, where required, designing such installations and supervising the work. Must be Corporate Members of either the Institute of Civil Engineers or the Institute of Mechanical Engineers.

(b) ASSISTANT ELECTRICAL ENGINEER. Salary scale £585-£760. Good experience of hospital electrical work, design and operation, preparing technical reports, advising the Architect to the Board and, where required, designing and supervising electrical installations. Must be Corporate Member of Institute of Electrical Engineers.

(c) SENIOR ASSISTANT ARCHITECTS (two vacancies). Salary scale £635-£760. Must be registered architects and possess recognized architectural qualifications; good experience of hospital planning and construction; will be responsible for design and supervision of work under Architect to the Board.

(d) ARCHITECTURAL ASSISTANT. Salary scale £450-£525.

Experience of preparing details, working drawings and surveying buildings. Must be registered architects and possess recognized professional qualifications. Preferably with some experience of hospital construction.

(e) JUNIOR SURVEYOR. Salary scale £480-£560.

Experienced in preparation of Bills of Quantities, estimates and valuations, and settlement of accounts. Preference given to persons who have passed the Intermediate examination of the Royal Institute of Chartered Surveyors (Quantities Section).

CLERICAL STAFF:—

(f) CLERK. Salary scale £450-£570.

(g) CLERKS (two vacancies). Salary scale £440-£485.

(h) CLERK. Salary scale £395-£440.

Experience in an Architect's office, preferably with a Local Authority, is essential for the clerical posts, and for post (f) a knowledge of Committee work is required in addition.

The above appointments are superannuable and, in addition, successful candidates will be required to pass a medical examination.

Applications, stating age, details of experience and qualifications, together with the names of three referees, to be forwarded to the Secretary, 29/31, Eastgate, Leeds, 2, not later than 10 a.m. on Saturday, 1st January, 1949.

Canvassing in any form, either directly or indirectly, will be a disqualification. 1153

CAMBRIDGESHIRE EDUCATION**COMMITTEE.****CAMBRIDGESHIRE TECHNICAL COLLEGE AND SCHOOL OF ART.**

Applications are invited for the post of responsible LECTURER IN ARCHITECTURE. Candidates must be Associates of the Royal Institute of British Architects. A Degree or Diploma of a recognized School of Architecture is also desirable.

Candidates must be prepared to teach Architectural Design and at least one of the following: Architectural Drawing, History of Architecture, Builders' Quantities, Reinforced Concrete.

Salary in accordance with the Burnham (Technical) Scale for Assistants, with a special responsibility allowance in addition of £120 per annum. Allowance will be made for professional or industrial experience, where applicable.

Application forms, which should be returned as soon as possible to the Principal, Cambridgeshire Technical College and School of Art, Collier Road, Cambridge, and further particulars, will be forwarded on receipt of a stamped addressed foolscap envelope by the Chief Education Officer (T), Shire Hall, Cambridge. First enquiry should be endorsed "Architecture." 1151

METROPOLITAN BOROUGH OF FULHAM.**HOUSING AND PUBLIC BUILDINGS****DEPARTMENT.**

Applications are invited, preferably from persons with previous Local Government experience, for the permanent appointment of ARCHITECTURAL ASSISTANT, in the Housing and Public Buildings Department.

Candidates should have reached the standard of the Intermediate examination of the R.I.B.A., and preference will be given to candidates possessing this qualification.

Salary A.P.T., Grade I, of the National Scales (£390×£15-£435 per annum), plus London "weighting" of £20 at ages 21 to 25, and £30 at age 26 and over.

The salary for candidates not holding this qualification or its equivalent will be in the General Division (£290 per annum at 25 years of age, rising to £385 per annum at 32 years of age—males), plus London "weighting" of £20 at ages 21 to 25, and £30 at age 26 and over.

Applications on the official form, which may be obtained from me on receipt of a stamped addressed envelope, must be returned not later than 1st January, 1949.

CYRIL F. THATCHER.

Town Clerk.

Town Hall, Fulham, S.W.6.
 December, 1948. 1148

CITY OF COVENTRY.

Applications are invited for the following whole-time appointments on the permanent staff of the City Architectural Department:—

(a) ONE ASSISTANT ARCHITECT, acting as Section Deputy. Salary on Grade A.P.T., Va, commencing at £550 per annum and rising to £610 per annum.

(b) ONE ASSISTANT ARCHITECT. Salary Grade A.P.T., V, commencing at £520 per annum and rising to £570 per annum.

Candidates for the above appointments should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications.

In certain cases it is expected that housing accommodation will be available.

(c) ONE ASSISTANT ARCHITECT. Salary Grade A.P.T., III, commencing at £450 per annum and rising to £495 per annum.

Salary increments are subject to satisfactory service.

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

Applications for all the above appointments must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than Thursday, 6th January, 1949.

Canvassing, directly or indirectly, will be a disqualification.

D. E. E. GIBSON,

City Architect.

1a, Warwick Row, Coventry.
 16th December, 1948. 1149

CORPORATION OF GLASGOW.**HOUSING DEPARTMENT.**

Applicants are invited for appointments as ARCHITECTS, Grade II.

Applicants should have passed the Final examination of the Royal Institute of British Architects or hold an equivalent qualification.

The appointments are permanent, and the successful applicants will require to pass a medical examination for admission to the Corporation's Superannuation Scheme.

The salary is on a scale £390 per annum to £570 per annum. In certain circumstances a commencing salary above the minimum will be paid.

Applications, stating age, and giving particulars of training and experience, should be addressed to the undersigned, and should be received within 14 days of the publication of this advertisement.

THOMAS W. ROBB,

Assistant Director.

Housing Department, 20, Tronagate,
 Glasgow, C.1. 1156

DERBYSHIRE COUNTY COUNCIL.**COUNTY PLANNING DEPARTMENT.**

Applications are invited for the under-mentioned appointments in the County Planning Officer's Department:—

(a) JUNIOR TECHNICAL ASSISTANT. A.P.T. Division, Grade II (£420×£15-£465 per annum).

The person appointed will be required to serve in the office of the Area Planning Officer for the Peak Area of Derbyshire, whose office is at Bakewell.

(b) DRAUGHTSMAN or DRAUGHTSWOMAN. Miscellaneous Division, Grade I (£315×£15-£360 per annum).

The person appointed will be required to serve in the office of the Area Planning Officer for the South Derbyshire Area, whose office is at Derby.

Applications must be made on forms which will be supplied, together with further particulars of the appointments on request, to the undersigned, and must be submitted not later than the 10th January, 1949.

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

H. WILFRID SKINNER,

Clerk of the County Council.

County Offices, St. Mary's Gate, Derby. 1157

Amended Advertisement.

BOROUGH OF SOUTHALL.**APPOINTMENT OF TOWN PLANNING****ASSISTANT.**

Applications are invited for the above appointment on the permanent staff of the Corporation, at a salary in accordance with Grade A.P.T., IV, of the National Scheme (£480×£15-£525), plus appropriate London weighting.

Candidates must hold a recognized Town Planning qualification.

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

It is a condition of appointment that the successful applicant shall be a member of his appropriate trade union, professional organization, or other recognized body.

Applications, on forms to be obtained from the Borough Engineer, Town Hall, Southall, must be returned to him on or before Monday, 10th January, 1949.

Canvassing will disqualify.

J. S. SYRETT,

Town Clerk.

Town Clerk's Office, Southall.
 10th December, 1948. 1147

**BOROUGH OF ROYAL LEAMINGTON SPA.
DEPARTMENT OF THE DIRECTOR OF
HOUSING.**

APPOINTMENT OF ASSISTANT ARCHITECT.
Applications are invited for the above appointment, at a salary in accordance with Grade I of the A.P.T. Division of the National Scales (£390 x £215-£435 per annum).

The appointment will be on the unestablished staff of the Corporation, terminable by one month's notice on either side, and subject to the Scheme of Conditions of Service of the National Joint Council.

Candidates should have had a thorough training in design and construction and be experienced in the preparation of sketch plans, working drawings and specifications, particularly in relation to flats, housing estates and buildings related thereto.

Applications, giving full particulars of experience, together with age, present position and salary, and copies of not more than three recent testimonials, must reach H. Fedeski, A.R.I.B.A., Dip.T.P., A.M.T.P.I., Director of Housing, 7, Regent Grove, Leamington Spa, not later than 24th December, 1948.

JAMES N. STOTHERT.

Town Clerk.

Town Hall, Leamington Spa.
10th December, 1948. 1146

**METROPOLITAN POLICE.
OFFICE OF THE RECEIVER FOR THE
METROPOLITAN POLICE DISTRICT.**

ARCHITECTURAL ASSISTANTS, suitably qualified, are required for works on extensive building programme of Houses, Flats, Courts, Stations, Garages, Workshops, etc. Scale £300 by annual increments to £525 (£450 women). Commencing salary up to £440 (£405 women), according to age. Weekly hours 44 gross. Overtime is paid for. Annual leave 24 days.

Applications to:
J. INNES ELLIOTT, B.Arch., A.R.I.B.A.,
Chief Architect and Surveyor,
New Scotland Yard, S.W.1. 1117

Architectural Appointments Vacant

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

PROGRESSIVE appointment, with prospect of early Partnership, offered to capable and energetic qualified **ARCHITECTURAL ASSISTANT** (30/40) in private general practice near London (E.), with country connections; design, surveying and levelling, and some knowledge of quantities; minimum salary £500. Box 846.

ARCHITECTURAL ASSISTANT required; preferably experienced in the design, alteration and maintenance of industrial buildings, and capable of preparing surveys, working drawings, details and specifications; knowledge of quantities an advantage; the appointment would be permanent and pensionable. Applications, stating age, experience, qualifications, and salary required, should be sent to the Staff Controller, The Gas Light & Coke Company, 30, Kensington Church Street, W.8. 965

ARCHITECT'S ASSISTANTS required for Construction Department; large multiple firm, Birmingham office; good progressive position, with superannuation; 5-day week; offered to keen, energetic and capable man; state age, experience, and salary required. Box 955.

SENIOR ASSISTANT required; capable of handling contracts from sketch plan stage to completion; knowledge of industrial work an advantage; salary in accordance with present day standards. Apply in writing to J. Stanley Beard, Bennett & Partners, 101-103, Baker Street, W.1, giving particulars of experience. 967

SENIOR ASSISTANT required for Architectural Department; should be around R.I.B.A. Intermediate standard. Apply, stating age, experience and salary required, to Employment Manager, Rolls-Royce Ltd., Derby. 1019

JUNIOR ARCHITECTURAL ASSISTANT required in busy West End office; good prospects. Apply, stating age, experience, and salary required, to J. Stanley Beard, Bennett & Partners, 101-103, Baker Street, W.1. 1036

PRACTICAL SURVEYOR, aged about 30, required for property management and building repairs with large London company; knowledge of dilapidations and quantities essential. State age, experience, and salary to Box 1035.

TWO ARCHITECT'S ASSISTANTS required immediately for City office, to work on subsidised flat schemes in London; 5-day week, and profit sharing bonus in addition to salary. Apply by letter for interview, giving brief particulars of qualifications and experience: (a) To be A.R.I.B.A., with good pre-war office experience, preferably in London; salary up to £780 per annum, according to qualifications and experience. (b) To be Intermediate R.I.B.A., with some pre-war office experience; salary up to £468 per annum, according to qualifications and experience. Stewart & Hendry, F./A.R.I.B.A., A.M.T.P.I., 90, Fenchurch Street, E.C.3. 1057

ARCHITECTURAL ASSISTANT required for Architect's office near Regent Street, London, W.1; good draughtsmanship essential; state salary required and experience. Box 1060.

ARCHITECTURAL ASSISTANT required for an interesting general practice in Mid-Wales; applicants must be up to R.I.B.A. Intermediate standard at least; salary according to experience, £300-£500 per annum. Apply B. E. Bonnell, A.R.I.B.A., 15, North Parade, Abergwyth. 1064

CAPABLE ARCHITECTURAL ASSISTANT required immediately; experience of good quality building desirable; good salary and interesting work. Apply Lavender, Twentyman & Percy, 2, Waterloo Road, Wolverhampton. 1044

ARCHITECTURAL ASSISTANT required (West Riding); excellent scope for progressive Modern designer in interior, exteriors and shop fitting; interesting variety of work; good salary and conditions to right man. Box 56, Smith's Library, 16, Market Hill, Barnsley. 1088

SENIOR ASSISTANT required in a Bank's Architect's office; good previous experience in the design and maintenance of office buildings essential; age about 40; preferably an Associate of R.I.B.A.; permanent post for suitable applicant. Box 1059.

THE CO-OPERATIVE WHOLESALE SOCIETY, LTD., have vacancies in their Manchester Architect's Department for **ASSISTANT QUANTITY SURVEYORS**; should be experienced in preparing Bills of Quantities, measuring work, and adjusting variations on Contracts; the appointments are permanent, and offer good prospects of promotion for competent Assistants; successful candidates will be required to pass a medical examination for entry into Compulsory Superannuation Scheme. Applications, stating age, qualifications, experience, and salary required, with copies only of testimonials, to C.W.S. Ltd., Architect's Department, 1, Balloon Street, Manchester, 4. 1126

JUNIOR ARCHITECTURAL ASSISTANT required immediately for Architect's office in Surrey; R.I.B.A. Intermediate standard; good draughtsman, surveys, specifications, knowledge of quantities preferred. Write, stating age, experience, qualifications, and salary required, Box 1132.

CAPABLE ASSISTANT required for general practice in Central London; must be experienced in the preparation of working drawings, specifications, building surveys and levelling. Salary and full particulars to Box 1133.

ARCHITECTS require **ASSISTANT A.R.I.B.A.** or would consider **Student R.I.B.A.**; working drawings, specifications surveys, etc. Watson & Johnson, 5, Victoria Square, Birmingham. 1093

ARCHITECTURAL ASSISTANT required by Glasgow Architects. Reply, stating age, qualifications, experience, and salary required. Launcelot H. Ross & Partner, 79, West Regent Street, Glasgow. 1094

THE Milk Marketing Board have a vacancy for an **ASSISTANT** in their Architect's Department at Thames Ditton; the work will be mainly in connection with the preparation of Specifications and the supervision of such work whilst in progress; salary £550 per annum. Applications, giving full details of age, qualifications and previous experience, should be addressed to the Chief Administrative Officer, Milk Marketing Board, Thames Ditton, Surrey. 1101

WANTED, for busy Architects' office in North-East coast town, fully qualified and experienced **QUANTITY SURVEYOR**, to take sole charge of this side of the work; salary according to qualifications and experience. Replies to Garbutt, Archibald & Archibald, 23/25, Albert Road, Middlesbrough. 1105

WANTED, for busy Architects' office in North-East coast town, fully qualified **ARCHITECTURAL ASSISTANT**; surveys, 1 in. scale drawings, details, etc.; salary according to qualifications and experience. Replies to Garbutt, Archibald & Archibald, Chartered Architects, 23/25, Albert Road, Middlesbrough. 1106

JUNIOR ARCHITECTURAL ASSISTANTS are required to fill vacancies for permanent pensionable positions in the Head Office of the Premises Department, Ind Coope & Allsopp, Ltd., Burton-on-Trent; applicants should have passed the Intermediate examination of the Royal Institute of British Architects; experience in the design, decoration and furnishing of licensed premises and Breweries would be an added asset, but is not insisted upon; they will also be required to pass a medical examination and contribute to the generous Staff Superannuation Scheme in force; a five-day working week is in operation, and amenities offered include excellent canteen facilities and sports ground; commencing salaries will be £350 per annum, plus cost-of-living bonus of £78. Particulars of training, experience, past and present appointments and qualifications, together with testimonials, and stating age, date available, and whether married or single, to be sent to the Manager, Premises Department, Ind Coope & Allsopp, Ltd., 148, Station Street, Burton-on-Trent. While no housing accommodation can be immediately offered to successful applicants, the Company will assist as far as possible. 1107

ARCHITECTURAL ASSISTANT required; specialised in the alteration and adaptation of existing Buildings for the installation of specialised industrial equipment; apply, stating experience, salary required, giving accommodation probably available. Box 1121.

ASSISTANT required by firm of Chartered Architects in Victoria area. Also vacancy for **JUNIOR** up to Inter. standard; small office; varied and interesting work. Box 1135.

EXPERIENCED SENIOR ASSISTANT desirable. Apply, stating full particulars, to Lanchester & Lodge, 10, Woburn Square, W.C.1. 1120

SENIOR ARCHITECTURAL ASSISTANT required for permanent pensionable position in the London office of Premises Department, Ind Coope & Allsopp, Ltd.; applicants should be either Associates of the Royal Institute of British Architects or trained at a recognized School of Architecture, and should have a good general experience in design and construction and be capable of taking charge of jobs from the initiation of sketch plans to completion of the work, including supervision of work on the site; experience in the design, decoration and furnishing of licensed Premises would be an added asset, but is not insisted upon; they will also be required to pass a medical examination and to contribute to the generous Staff Superannuation Scheme in force; a five-day working week is in operation; commencing salary will be up to £500 p.a., plus cost-of-living bonus of £100, according to qualifications and experience; allowances include all travelling expenses and season ticket from place of residence. Particulars of training, experience, past and present appointments and qualifications, together with testimonials, and stating age, date available, and whether married or single, to be sent to the Chief Architect, Premises Department (S.E. Area), Ind Coope & Allsopp, Ltd., 148, Station Street, Burton-on-Trent. 1123

WANTED, immediately, experienced **ASSISTANT**. Apply E. B. Musman, B.A., F.R.I.B.A., 12, Upper Berkeley Street, W.1 (Padd. 7114). State qualifications, salary. 1142

MANCHESTER—ASSISTANT ARCHITECT and **ARCHITECT'S ASSISTANT** required for general practice, including schools and housing; salary by arrangement. Taylor & Young, 195, Oxford Road, Manchester, 13. 1111

ARCHITECTURAL ASSISTANT (single) required for country town office; office trained; good draughtsman; car owner-driver; experienced in outside supervision and specifications; salary £450 per annum, rising. Details to Box 1108.

ARCHITECTURAL ASSISTANT required; Inter. standard; must be capable of carrying out surveys and preparing working drawings from preliminary sketches. Apply, stating experience and salary required, to Thomas F. Ford, F.R.I.B.A., 189, Victoria Street, Westminster, S.W.1. 1134

ARCHITECT'S ASSISTANT required; must be good draughtsman; working drawings, details, and good knowledge of construction; experience in supervision an asset. Write, stating previous experience and salary required to H. S. Goodhart-Rendel & Partners, 13, Crawford Street, W.1. 1122

COMPETENT ASSISTANT required in the Architect's Department of a Midland Multiple Company. Applicants are requested to give particulars of training, qualifications, age, and salary required, to Box 948.

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QUANTITY SURVEYORS required by Consulting Civil Engineers, for civil engineering and building work for new Electricity Generating Stations; initial salary for senior grade will be up to £700 per annum, and for junior grade up to £450 per annum, depending on experience and qualifications; candidates need not hold a professional qualification, but should be well versed in taking-off, billing and preparation of contract documents for all descriptions of civil engineering and building work, including steelwork and reinforced concrete; superannuation scheme in operation. Full details required with first application to C. S. Allott & Son, 1, North Parade, Manchester, 3. 1158

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ARCHITECT'S ASSISTANT, 4 years' office experience, desires position; Kent or Sussex preferred. Box 215.

ARCHITECTURAL ASSISTANT (23), with 4 years' office experience and Final examination, seeks employment in progressive architect's office, where experience in the administration of schemes may be gained; London area. Box 216.

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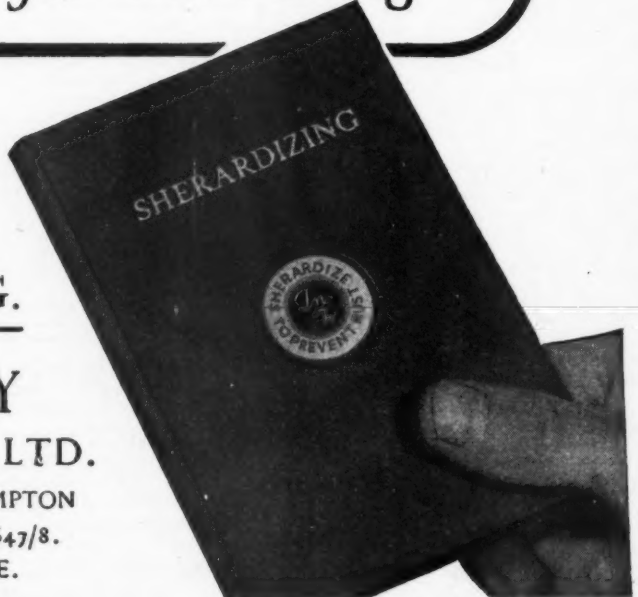
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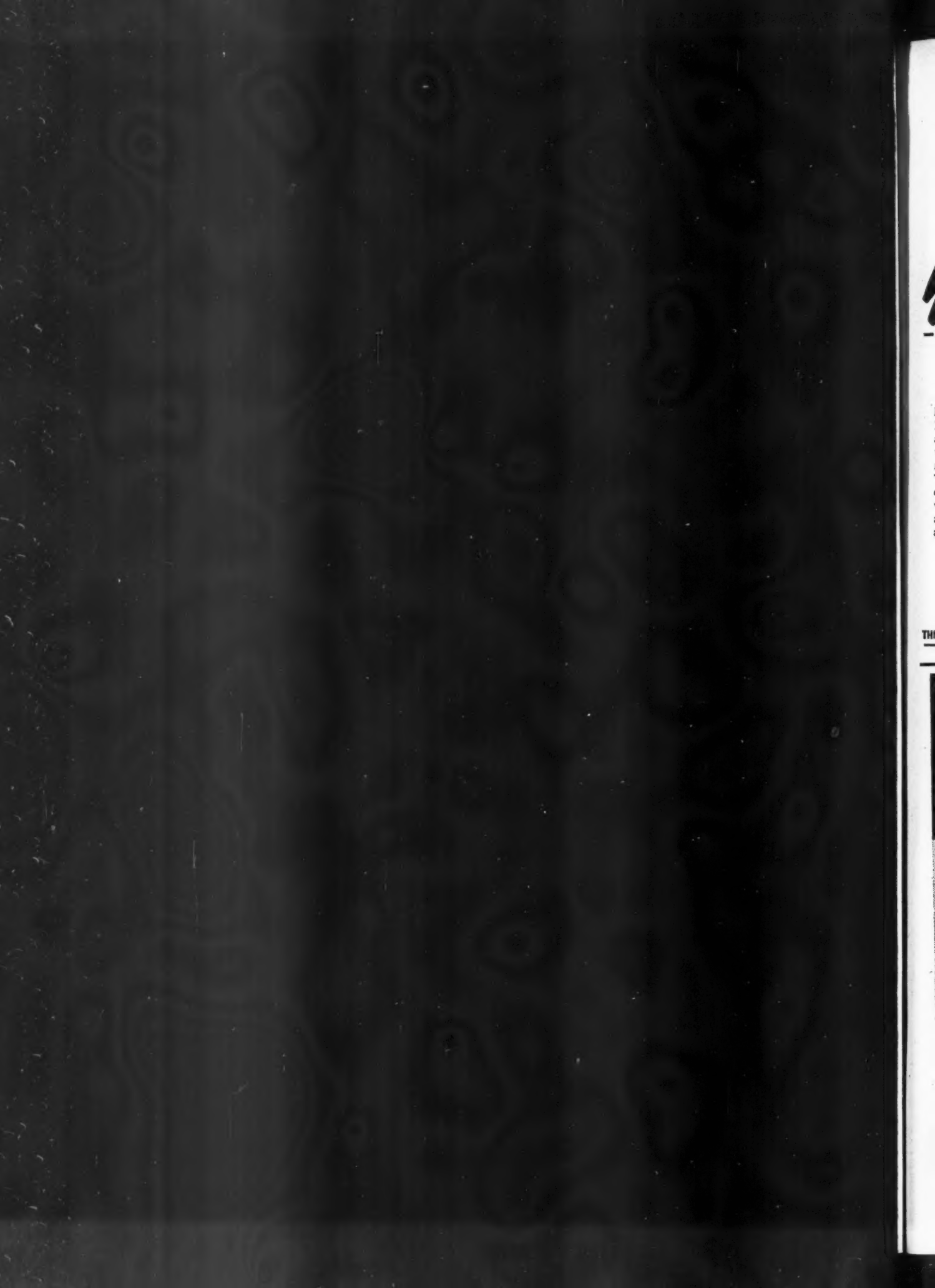
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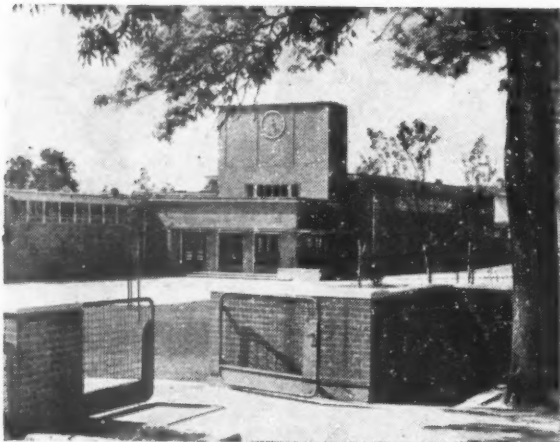
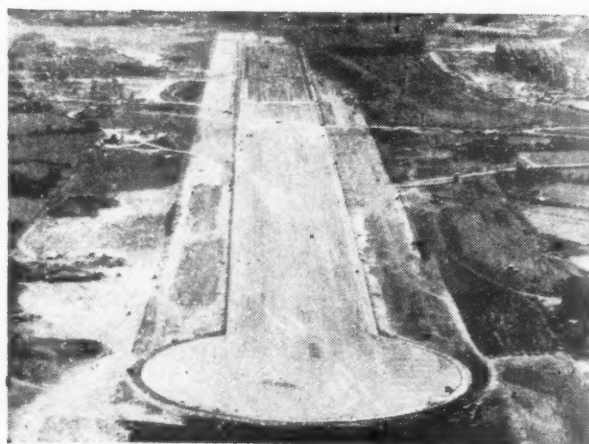
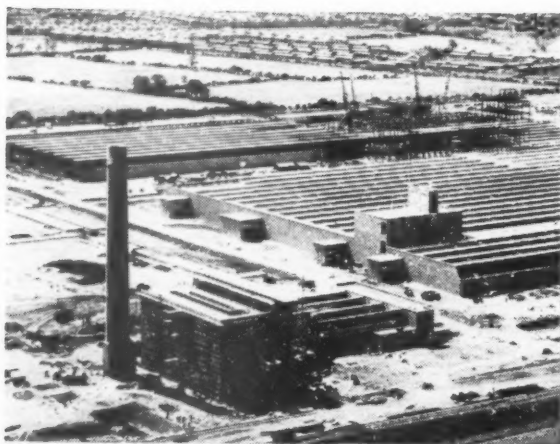
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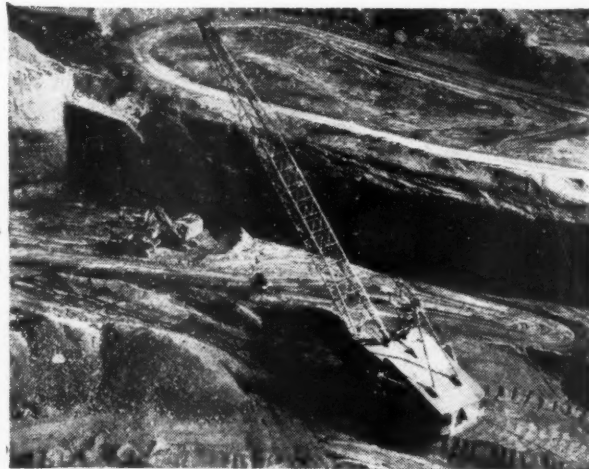
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