

# THE ARCHITECTS' JOURNAL



## standard contents

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

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★ 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 Ic one week, Ic to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

IEE	Institution of Electrical Engineers. Savoy Place, W.C.2.	Temple Bar 7676
IES	Illuminating Engineering Society. 32, Victoria Street, S.W.1.	Abbey 5215
IGE	Institution of Gas Engineers. 1, Grosvenor Place, S.W.1.	Sloane 8606
IHVE	Institution of Heating and Ventilating Engineers. 75, Eaton Place, S.W.1.	Sloane 3158
IIBD	Incorporated Institute of British Decorators. Drayton House, Gordon Street, W.C.1.	Euston 2450 Museum 1783
ILA	Institute of Landscape Architects. 12, Gower Street, W.C.1.	
I of Arb.	Institute of Arbitrators, 35/37, Hastings House, 10, Norfolk Street, Strand, W.C.2.	Temple Bar 4071 Museum 7197
IOB	Institute of Builders. 48, Bedford Square, W.C.1.	Monarch 7391
IR	Institute of Refrigeration. Empire House, St. Martin's-le-Grand, E.C.1.	Abbey 6172
IRA	Institute of Registered Architects. 47, Victoria Street, S.W.1.	Sloane 7128-29
ISE	Institution of Structural Engineers. 11, Upper Belgrave Street, S.W.1.	Whitehall 7264
LIDC	Lead Industries Development Council. Eagle House, Jermyn Street, S.W.1.	Museum 3891
LMBA	London Master Builders' Association. 47, Bedford Square, W.C.1.	Park 7678
MARS	MARS Group (English Branch of CIAM). 46, Sheffield Terrace, W.8.	Whitehall 3400
MOA	Ministry of Agriculture and Fisheries. 55, Whitehall, S.W.1.	Sloane 4522
MOE	Ministry of Education. Belgrave Square, S.W.1.	Whitehall 4300
MOH	Ministry of Health. Whitehall, S.W.1.	Whitehall 6200
MOLNS	Ministry of Labour and National Service. St. James's Square, S.W.1.	Gerrard 6933
MOS	Ministry of Supply. Shell Mex House, Victoria Embankment, W.C.	Abbey 7711
MOT	Ministry of Transport. Berkeley Square House, Berkeley Square, W.1.	Whitehall 8411
MOTCP	Ministry of Town and Country Planning. 32-33, St. James's Square, S.W.1.	Reliance 7611
MOW	Ministry of Works. Lambeth Bridge House, S.E.1.	Abbey 1010
NAMMC	Natural Asphalte Mine-Owners and Manufacturers Council. 94, Petty France, S.W.1.	Abbey 5277/8
NAS	National Association of Shopfitters. 9, Victoria Street, S.W.1.	Kensington 8161
NBR	National Buildings Record. 37, Onslow Gardens, S.W.7.	Abbey 5111
NCBMP	National Council of Building Material Producers. 2, Caxton Street, S.W.1.	W.1. Langham 4041
NFBTE	National Federation of Building Trades Employers. 82, New Cavendish Street, W.1.	Macaulay 4451
NFBTO	National Federation of Building Trades Operatives, Federal House, Cedars Road, Clapham, S.W.4.	Whitehall 2881/2/3
NFHS	National Federation of Housing Societies. 13, Suffolk St., S.W.1.	Langham 4041
NHBRC	National House Builders Registration Council. 82, New Cavendish Street, W.1.	Molesley 1380
NPL	National Physical Laboratory. Head Office, Teddington.	Whitehall 2415
NRIAD	National Register of Industrial Art Designers. National Gallery, Trafalgar Square, W.C.2.	S.W.1. Abbey 1359
NSAS	National Smoke Abatement Society. Chandos House, Buckingham Gate, S.W.1.	Whitehall 0211/2
NT	National Trust for Places of Historic Interest or Natural Beauty. 42, Queen Anne's Gate, S.W.1.	Whitehall 7245
PEP	Political and Economic Planning. 16, Queen Anne's Gate, S.W.1.	Reliance 7611
PWB	Post War Building, Directorate of. Ministry of Works, Lambeth Bridge House, S.E.1.	Whitehall 9936
RCA	Reinforced Concrete Association. 94, Petty France, S.W.1.	Edinburgh 20396
RIAS	Royal Incorporation of Architects in Scotland. 15, Rutland Square, Edinburgh.	Wellbeck 5721
RIBA	Royal Institute of British Architects. 66, Portland Place, W.1.	Whitehall 5322
RICS	Royal Institution of Chartered Surveyors. 12, Great George St., S.W.1.	Whitehall 3935
RFAC	Royal Fine Art Commission. 22A, Queen Anne's Gate, S.W.1.	Regent 3335
RS	Royal Society. Burlington House, Piccadilly, W.1.	Temple Bar 8274
RSA	Royal Society of Arts. 6, John Adam Street, W.C.2.	Sloane 5134
RSI	Royal Sanitary Institute. 90, Buckingham Palace Road, S.W.1.	Wimbledon 5101
RIB	Rural Industries Bureau. 35, Camp Road, Wimbledon, S.W.19.	Regent 6347
SBPM	Society of British Paint Manufacturers. 20, Piccadilly, London, W.1.	Gower Street, W.C.1. Euston 6272/3
SCR	Society for Cultural Relations with the USSR. 98, Gower Street, W.C.1.	Abbey 7244
SE	Society of Engineers. 17, Victoria Street, Westminster, S.W.1.	W.C. Chancery 5313
SFMA	School Furniture Manufacturers' Association. 13, New Square, Lincoln's Inn, W.C.	Central 4444
SIA	Structural Insulation Association. 14, Moorgate, London, E.C.2.	Metropolitan 8344
SIA	Society of Industrial Artists. Room 243, Empire House, St. Martin's-le-Grand, E.C.1.	Edinburgh 3.
SNTPC	Scottish National Town Planning Council. 11, Drumsheugh Gardens, Edinburgh, 3.	Holborn 2646
SPAB	Society for the Protection of Ancient Buildings. 55, Great Ormond Street, W.C.1.	Temple Bar 5006
TCPA	Town and Country Planning Association. 28, King Street, Covent Garden, W.C.2.	City 6146 (3 lines)
TDA	Timber Development Association. 75, Cannon Street, E.C.4.	Victoria 8815
TPI	Town Planning Institute. 18, Ashley Place, S.W.1.	City 1476
TTF	Timber Trades Federation. 81, Cannon Street, E.C.4.	Mayfair 8866
WDC	War Damage Commission. Devonshire House, Mayfair Place, Piccadilly, W.1.	E.C.4. City 4263/4
WEDA	Welfare Equipment Development Association. 61, St. Paul's Churchyard, E.C.4.	Oxford 47988
ZDA	Zinc Development Association. Lincoln House, Turl Street, Oxford.	

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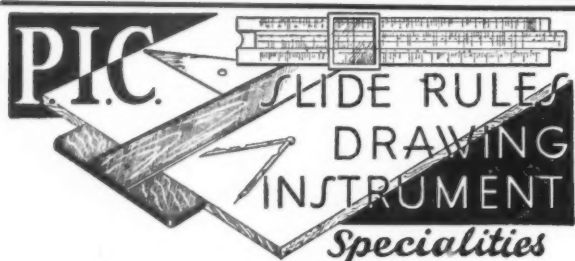
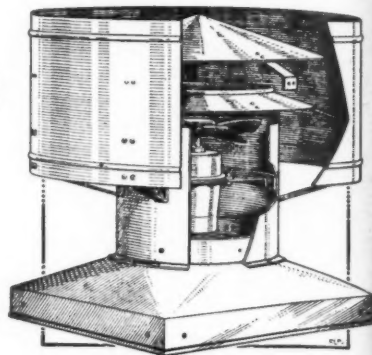
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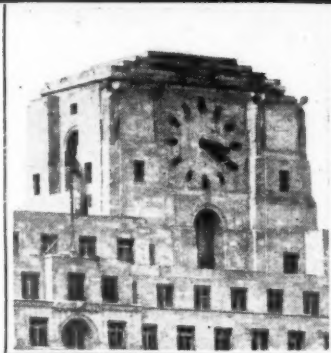
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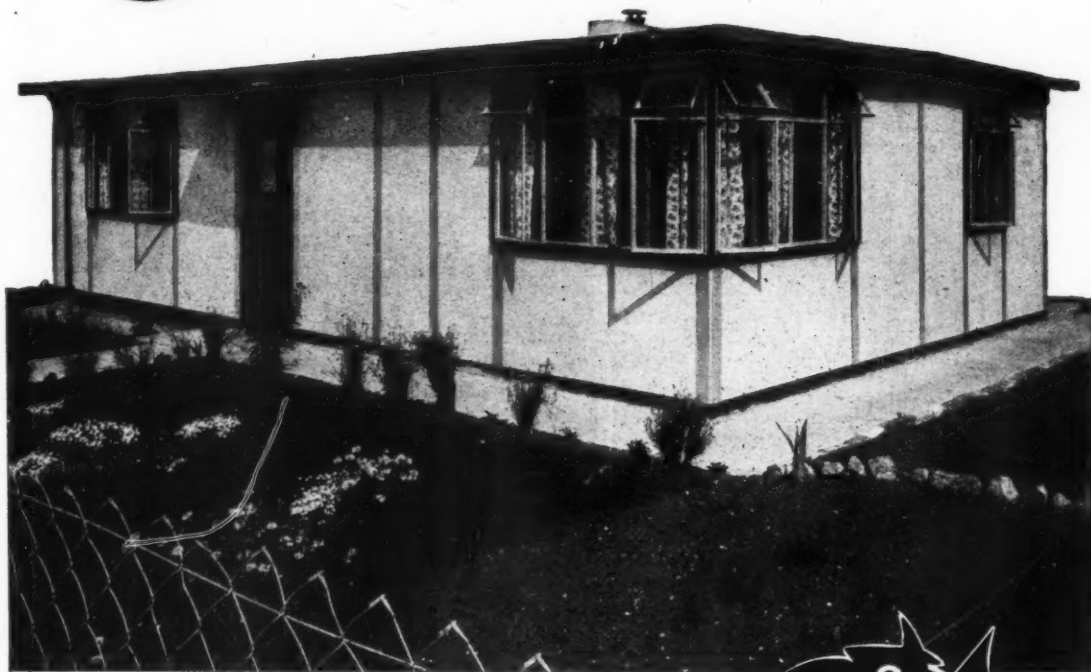
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## POTTERY THROUGH THE AGES · NO. 14



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## POTTERY AND TILES OF MEDIEVAL ENGLAND

After the Romans had left Britain, the art of pottery making suffered a severe set-back. Such Anglo-Saxon wares as have survived are crudely made and badly fired, and it would seem that the techniques of throwing and glazing were almost lost. Then, about the beginning of the 13th century, came a gradual revival and the beginnings of a distinct national tradition in English ceramics, manifested especially in the robust and well-balanced shapes of jugs, pitchers, drinking pots and similar domestic wares. Decoration, when used, was generally of a simple type, such as incised, slip-painted or relief-moulded trellis-work and scroll designs. Several interesting pieces moulded to represent human or animal faces and figures have also survived. The coarse body of the

ware was commonly coated with a thin yellow lead glaze; occasionally the glaze was stained with copper oxide to produce a green effect.

Monks, especially those of the Cistercian Order, appear to have played an important part in reintroducing the potter's craft from the Continent. Several of the large Abbeys had their own kilns and the medieval floor tiles made at Chertsey, Malvern, Droitwich, Repton and other places are interesting expressions in miniature of the Gothic spirit which is manifested on a larger scale in the architecture of the period. Made of local red earthenware, the monastic tiles were usually stamped with a slightly sunk design by means of a wooden die, the hollows being filled in with white clay; occasionally, by a re-

verse process, the pattern itself was made to stand out in raised outline. Incised and slip-painted tiles were also made.

The usual subjects of decoration included the signs of the Zodiac, religious symbols, heraldic and geometrical devices, and free floral designs. Among the finest examples of medieval artistry as expressed in clay are the tiles found at Ely with incised designs depicting miracles of the Christ child; the Chertsey tiles illustrating the romances of Tristram and King Richard are also very beautiful and expressive of the medieval conceptions of art.

The tiles were coated with powdered lead ore which, when fired, produced a transparent yellowish glaze. This combined with the red body to produce a rich reddish brown surface.

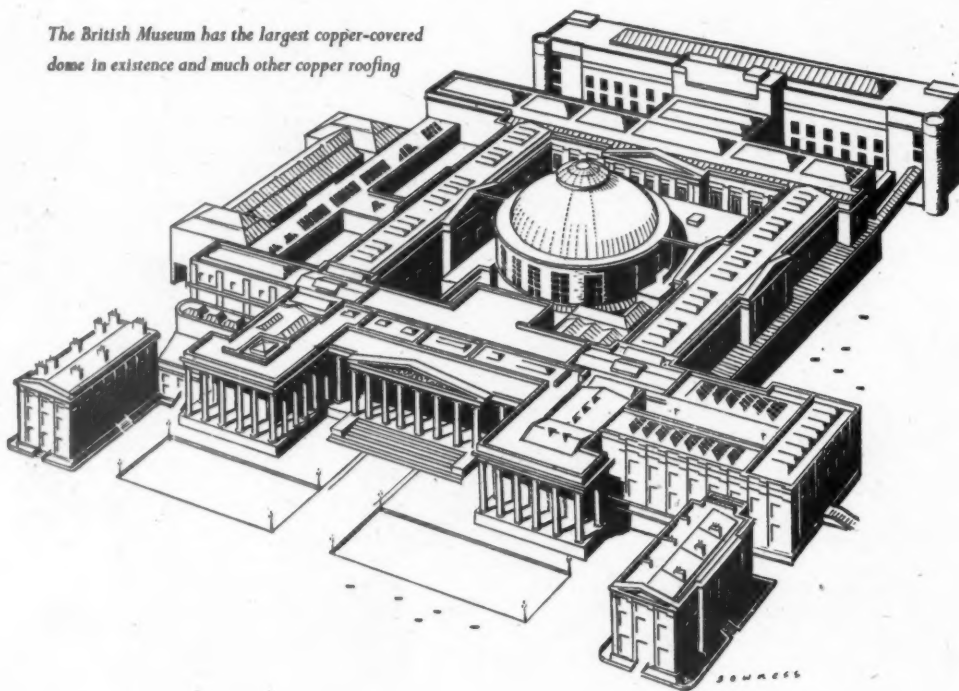


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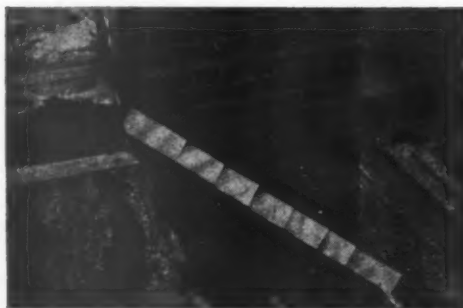
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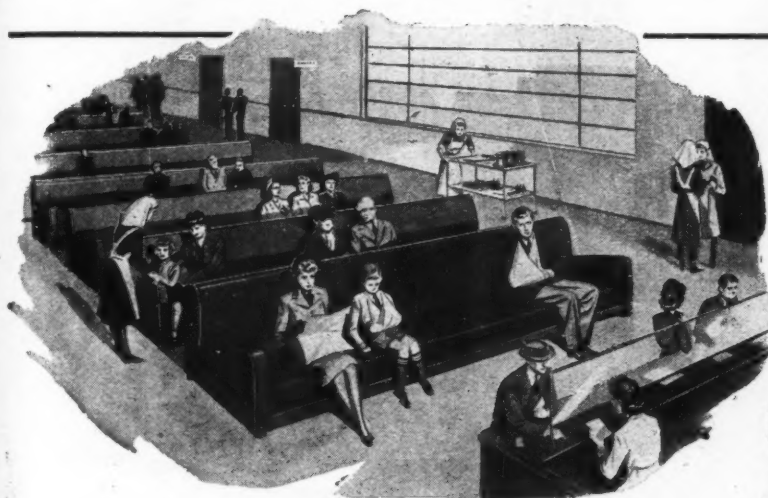
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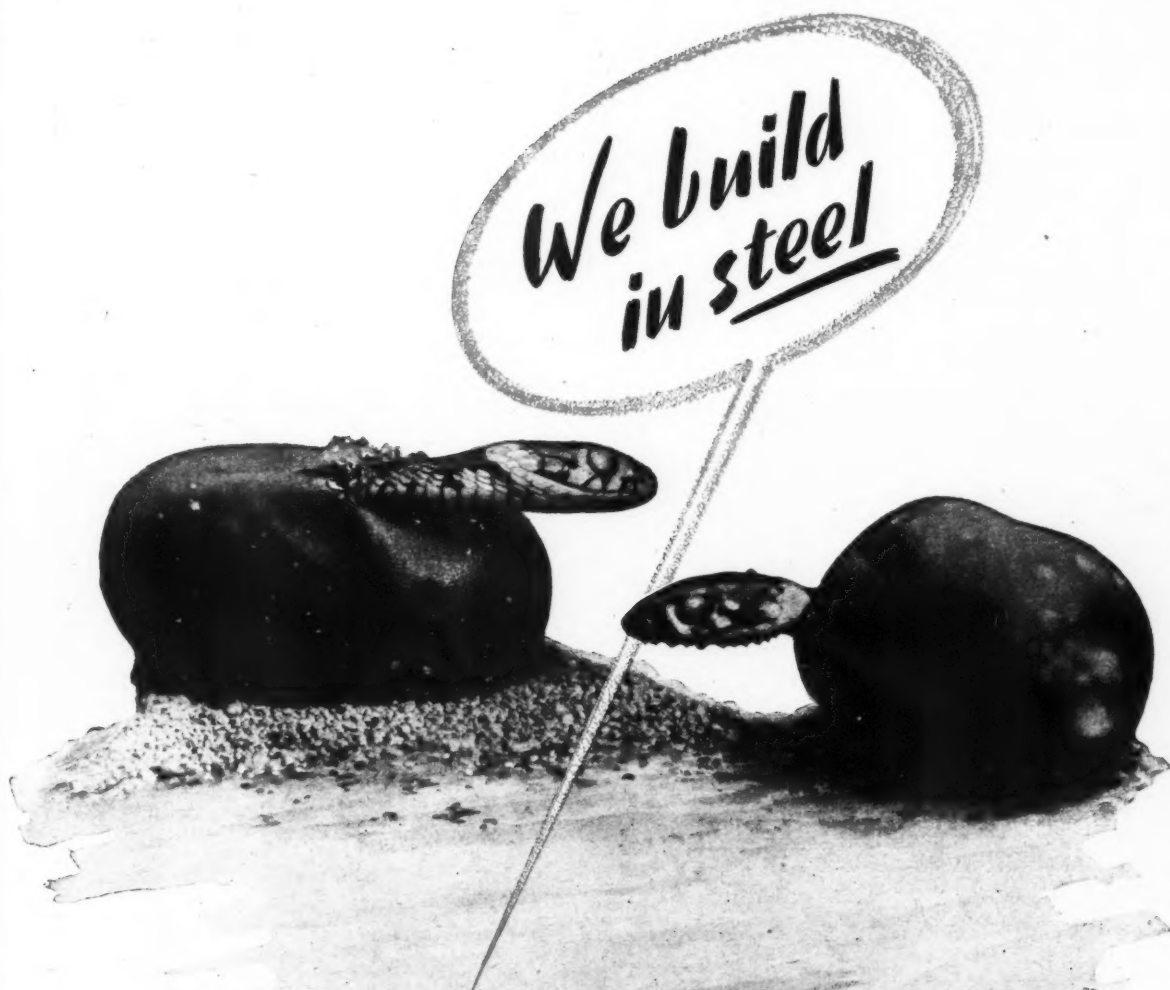
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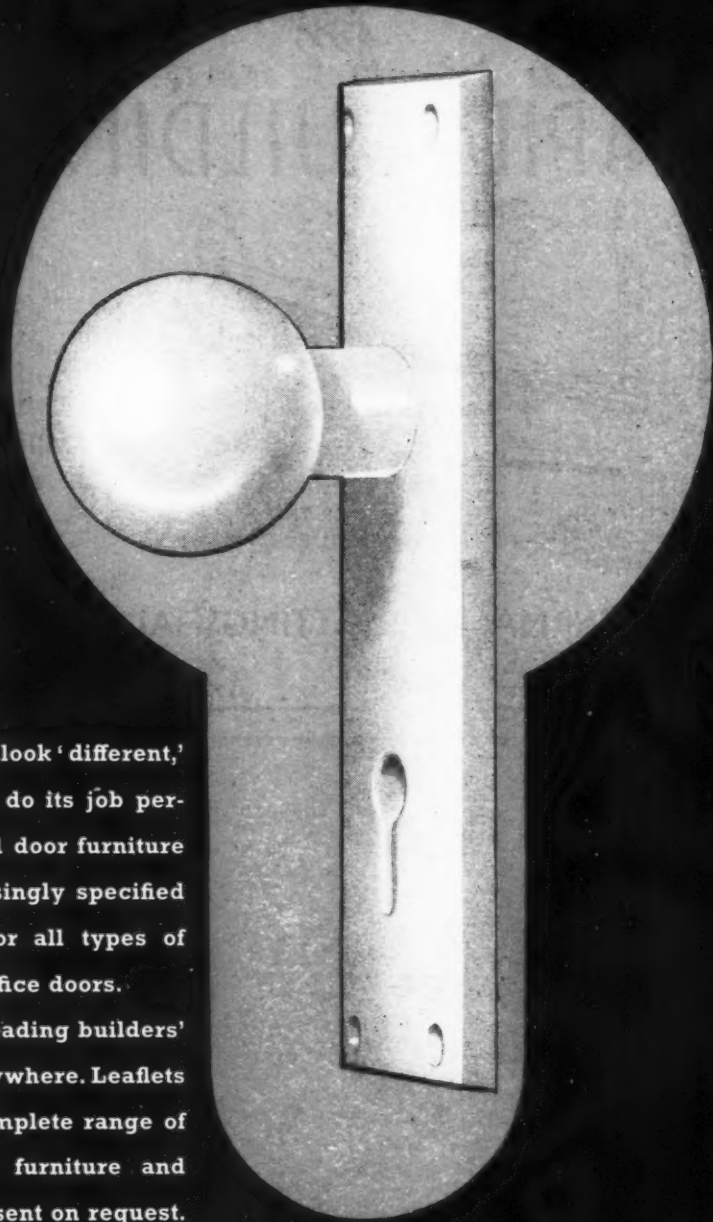
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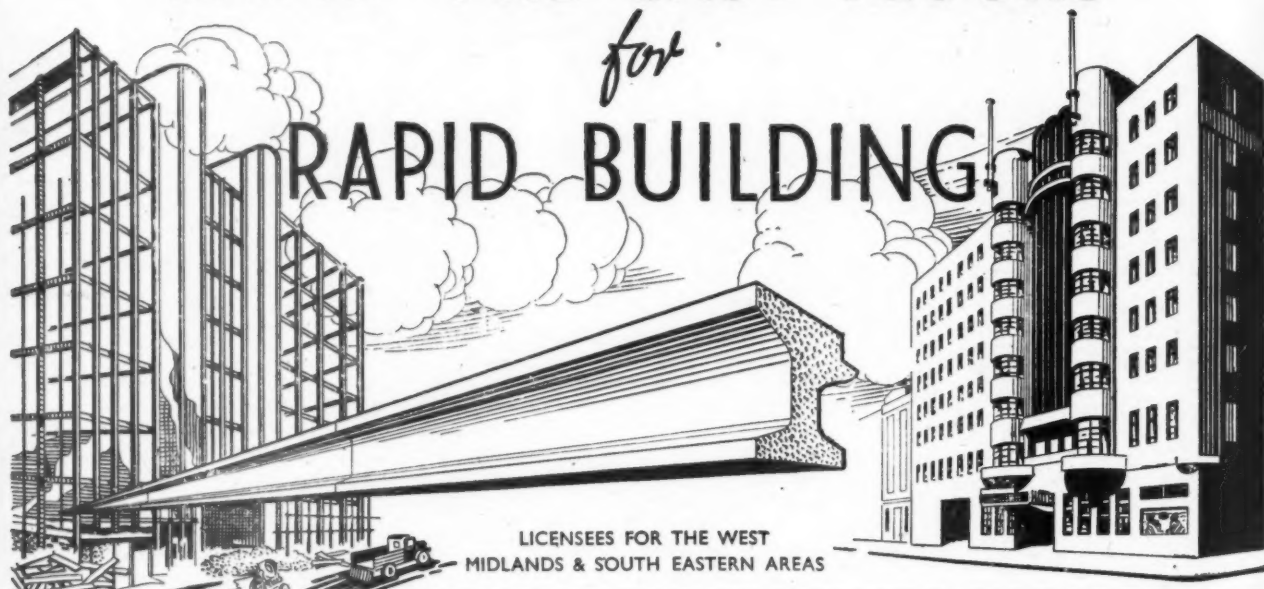
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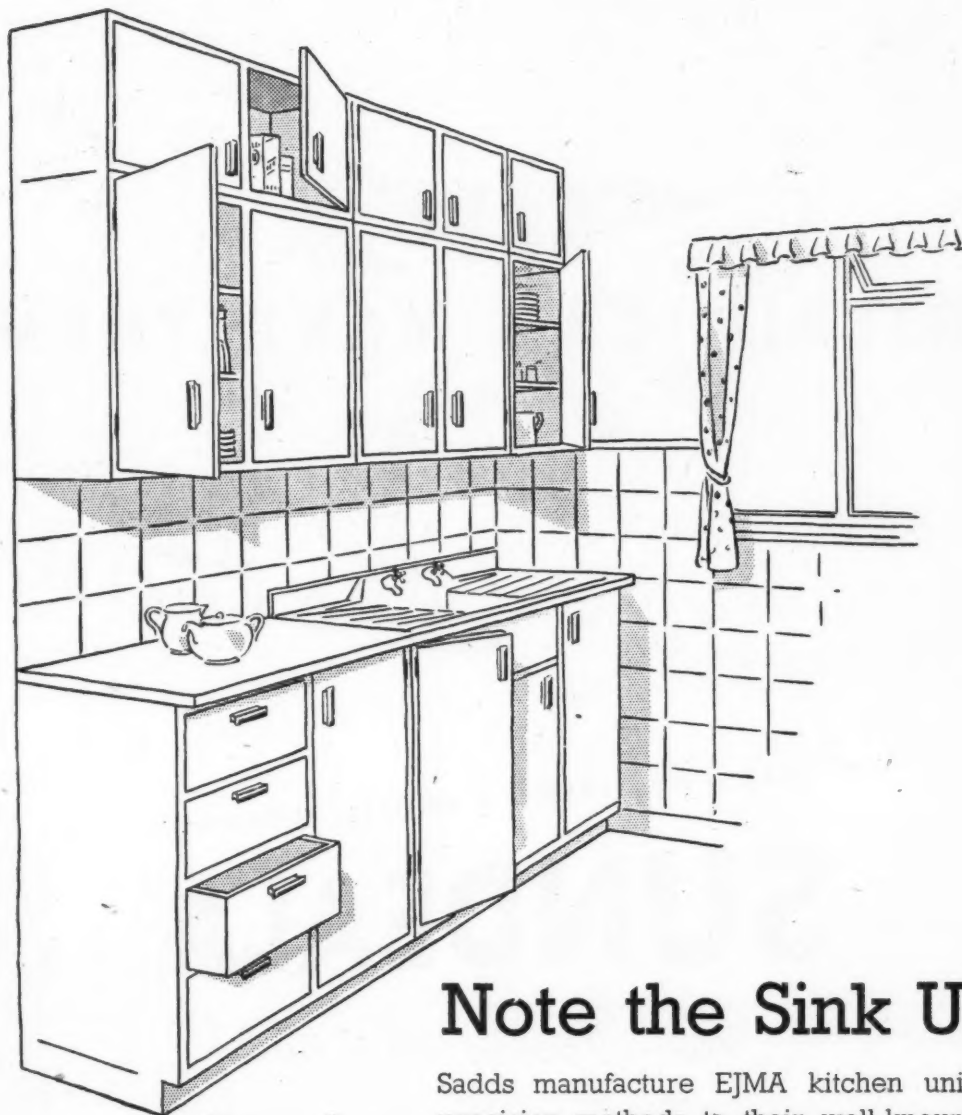


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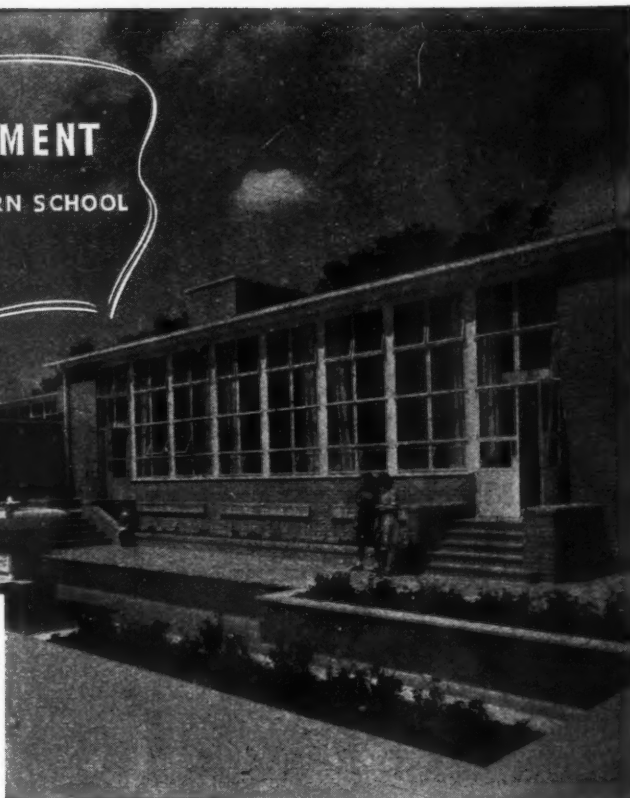
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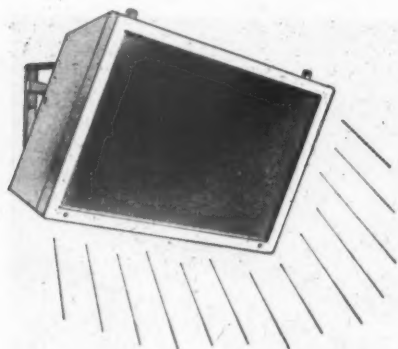
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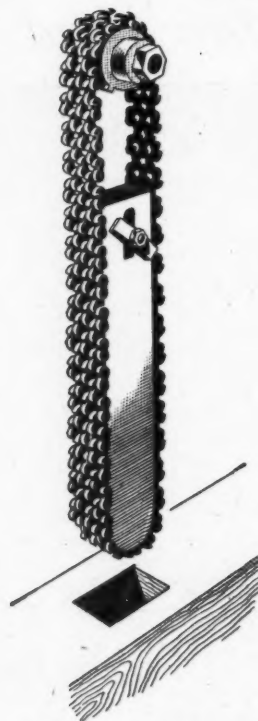
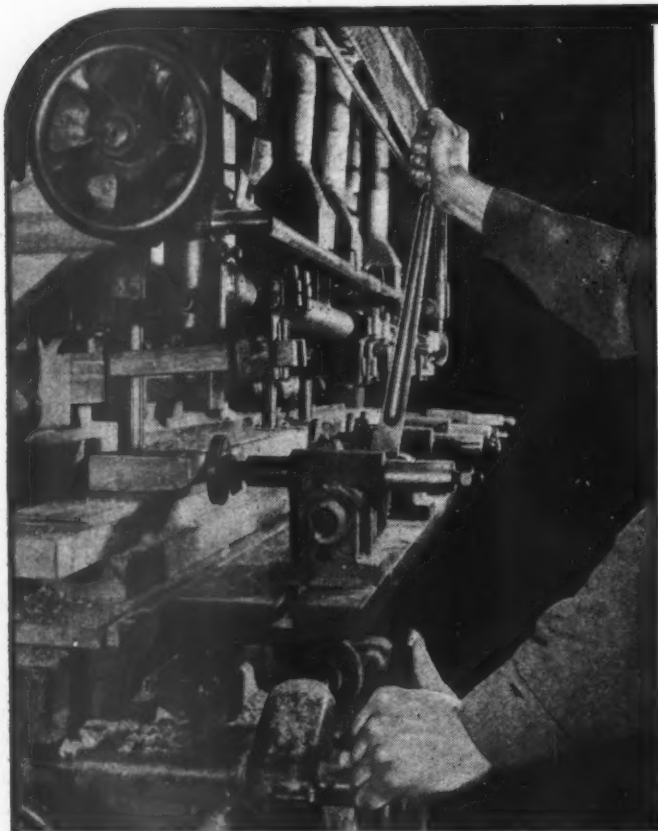


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*A mortise chain after withdrawal from the mortise it has made.*

## THE MAN AND HIS MACHINE

**THE MACHINE:**—A mortise is a hole in a piece of wood. Its history is a combination of evolution and revolution—the Gang Mortiser being the revolution. Originally a mortise was made by a joiner using a heavy chisel and mallet. The work was slow and arduous. Evolution produced the automatic reciprocating chisel—quicker, but not quick enough! Then came revolution—by putting cutting teeth on the outer edge of a chain and feeding the cutter so formed into wood to make a hole—the prototype mortise chain. One snag remained—its inability to produce a hole less

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Early mortisers employed one chain only. The modern mortiser is constructed to make all the mortises required in one or two pieces of wood in one operation—i.e., the Gang Mortiser. The machine illustrated will make 10 mortises at one time in one piece of timber. If two chains are mounted on each spindle, and the wood components are fed into the machine in pairs, twenty mortises can be made at once.

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*Method*

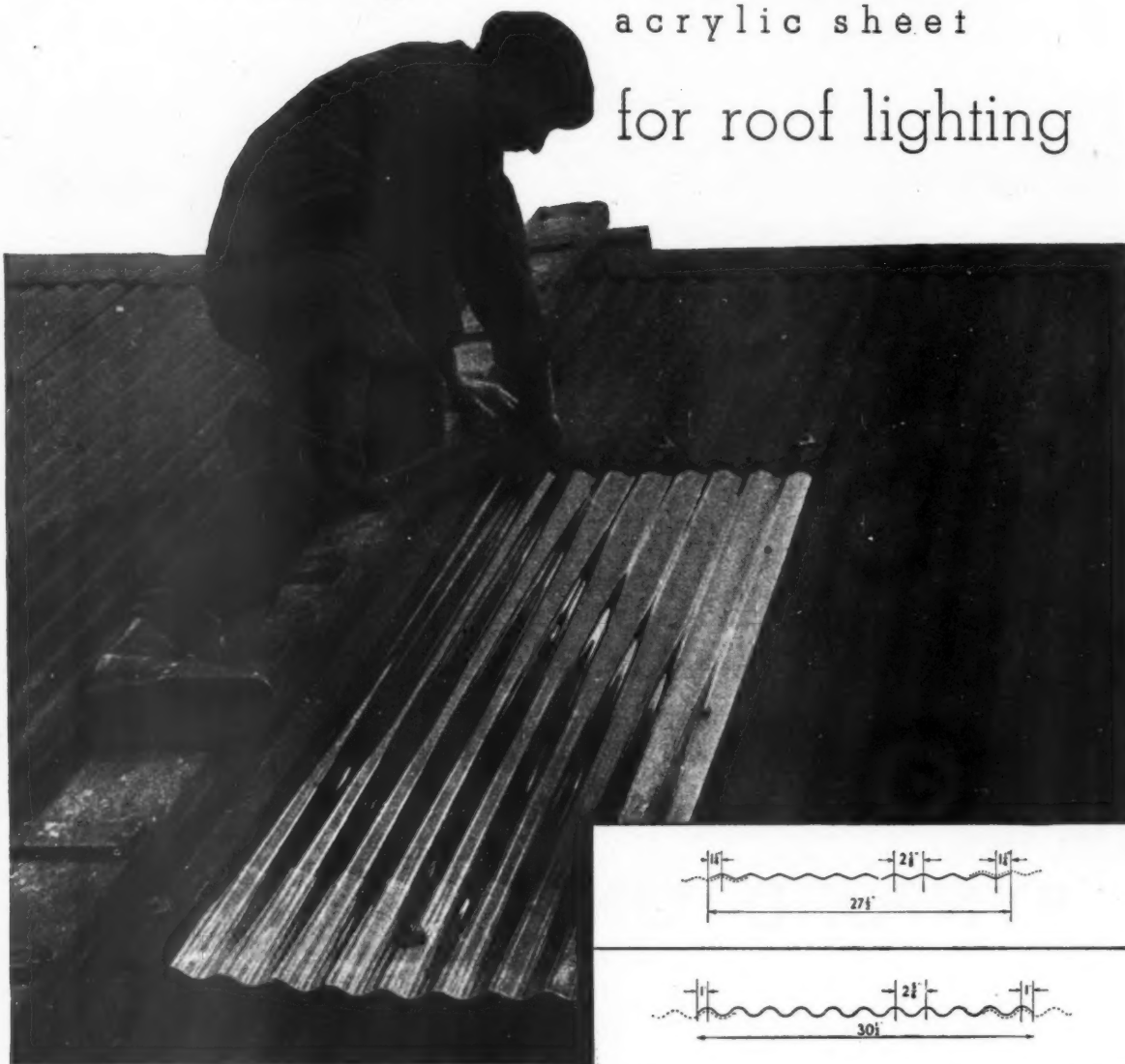
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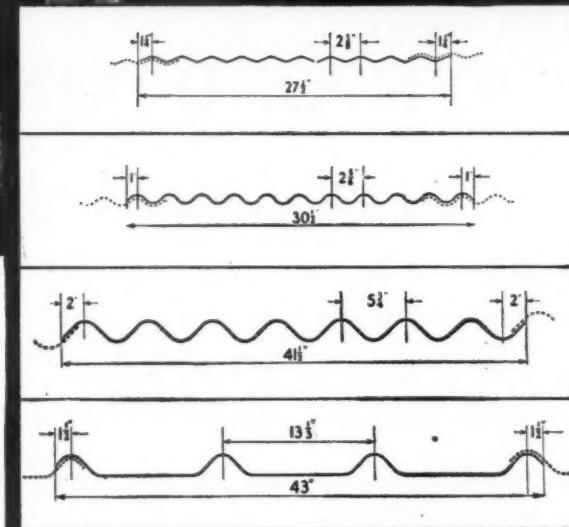
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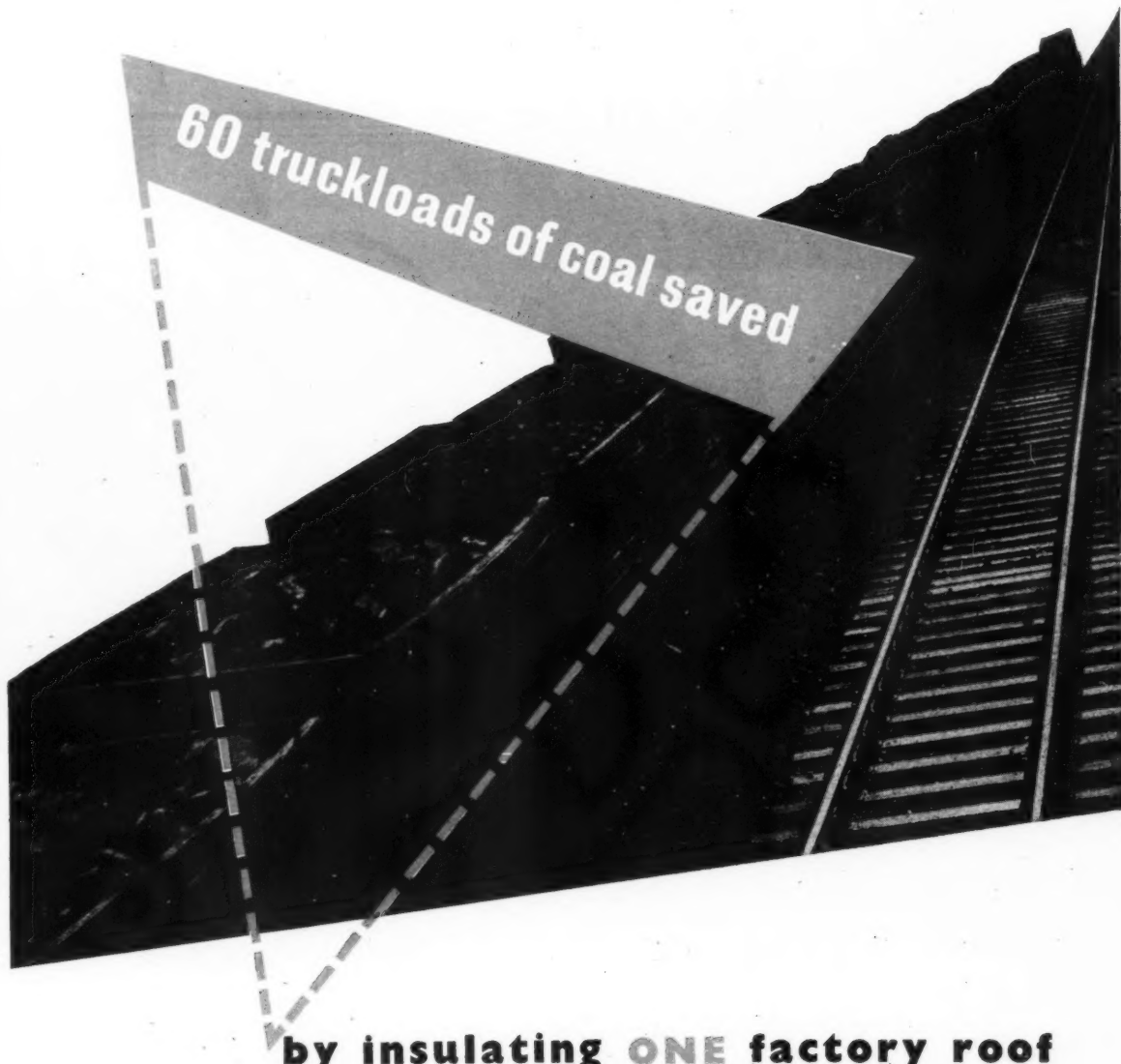


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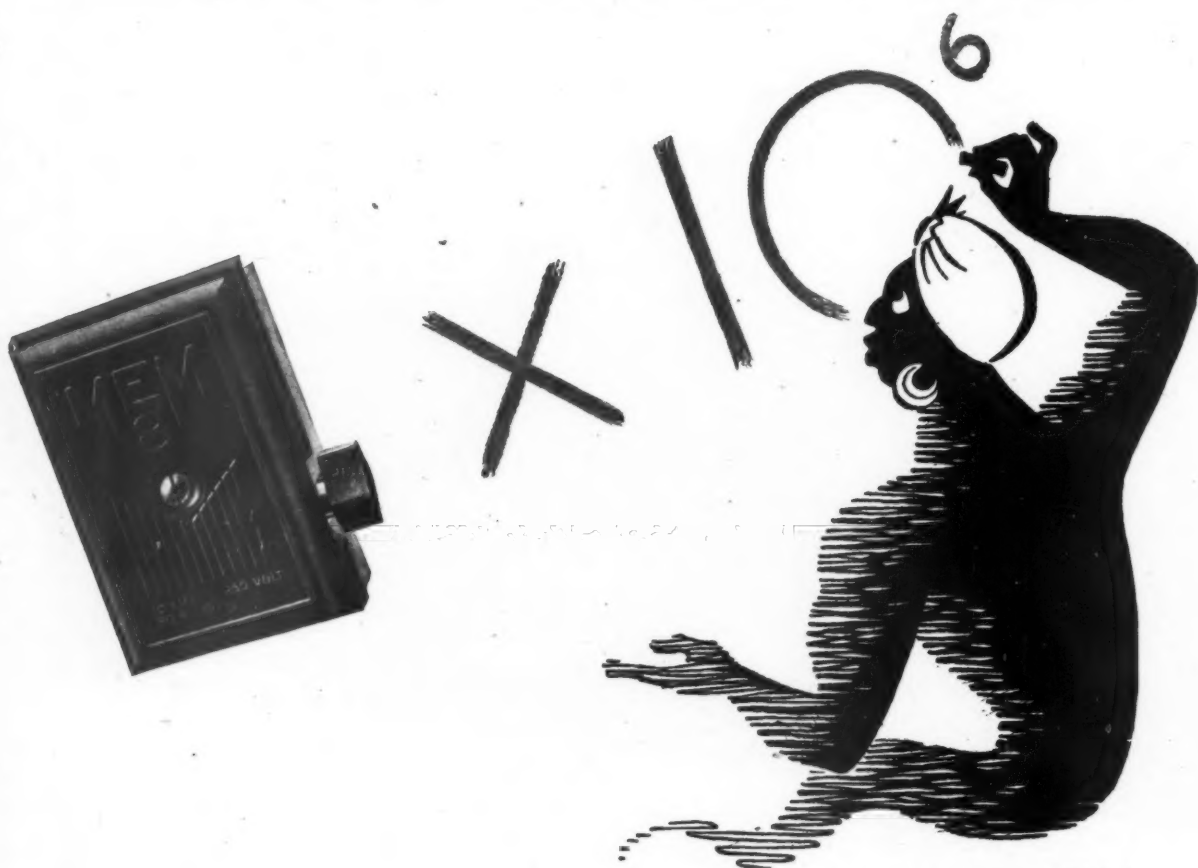
easy and its cost is quickly recovered in terms of smaller fuel bills and a reduced capital charge for heating plant. The table below based on Fuel Efficiency Bulletin No. 12 gives a general picture of the fuel savings obtained by insulating steel-framed factory roofs with Celotex. For more specific data for your individual needs, consult our Technical Department, who will gladly provide it.

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CONSTRUCTION		Uninsulated		Under-Purlin Insulation		Over-Purlin Insulation			
Corrugated Asbestos Cement	1/4"	-		1/4"	-	1/4"	1/4"	-	-
Corrugated Iron	-	220	-	220	-	-	220	220	
Celotex Insulating Board	-	-	-	-	1/2"	1"	-	1/2"	1"
Air Space/Purlins	-	-	4"	4"	-	-	-	-	-
Celotex Insulating Board	-	-	1/2"	1/2"	-	-	-	-	-
Thermal Transmittance 'U'		1.40	1.50	0.31	0.32	0.35	0.23	0.36	0.24
To make good the heat lost through the roof in 1000 sq. ft.	Fuel Consumption tons p.a.	7.7	8.3	1.7	1.8	1.9	1.3	2.0	1.3
	Cost of Heating Plant. Cost £'s	83	94	19	20	22	14	22.5	15
	Saving in Plant and Fuel due to Celotex Insulation %			78	79	75	84	76	84

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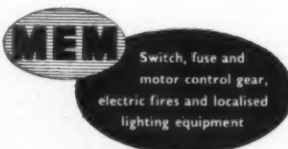
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at low cost with good appearance

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MARLITH Wood Wool Building Slabs conform to B.S. 1105 and are made in the standard sizes of 6' 0" x 2' 0" x 1", 1 $\frac{1}{2}$ ", 2" and 3". The slabs give an excellent key for plaster or cement rendering. These light weight slabs provide a high degree of thermal and acoustic insulation when used for lining walls or roofs. Slabs of 2" or more thickness can be used as self-supporting non-loadbearing partitions

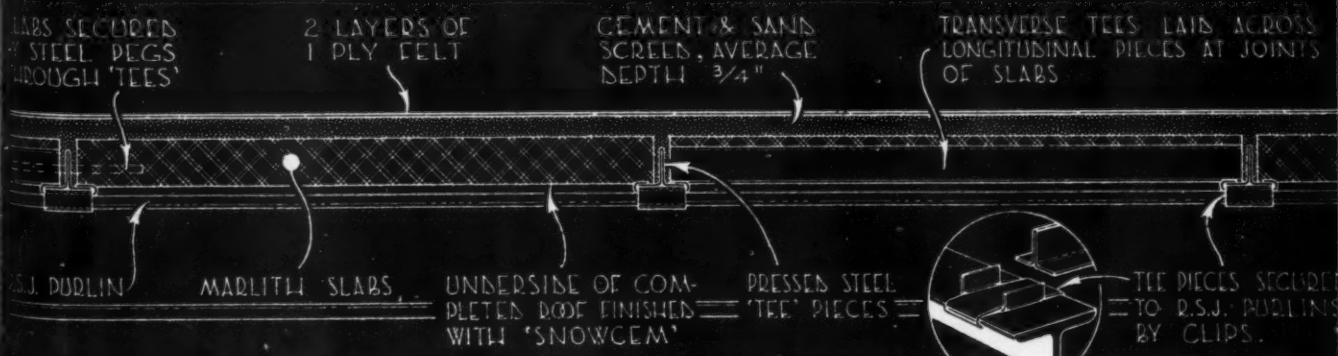


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Wood Wool Building Slabs

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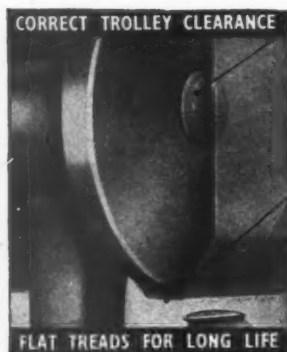


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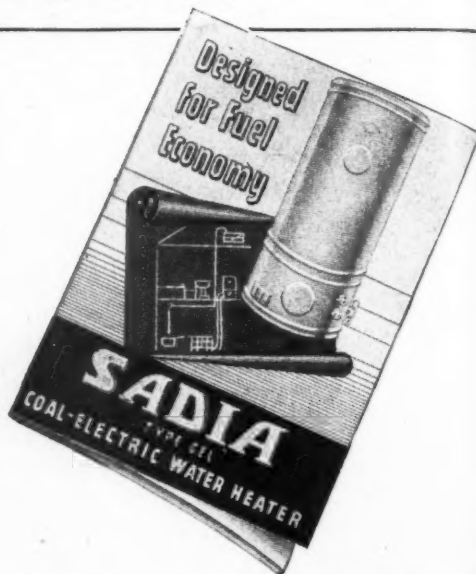
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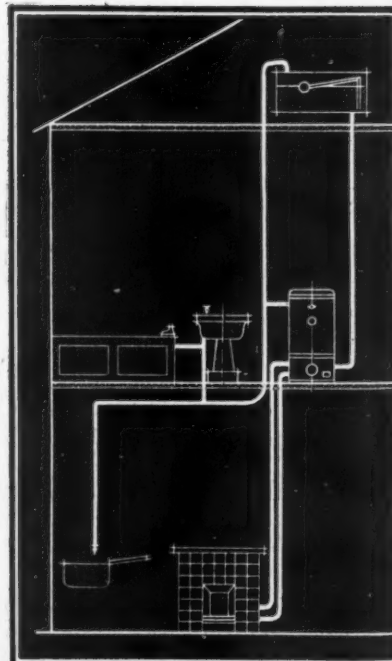
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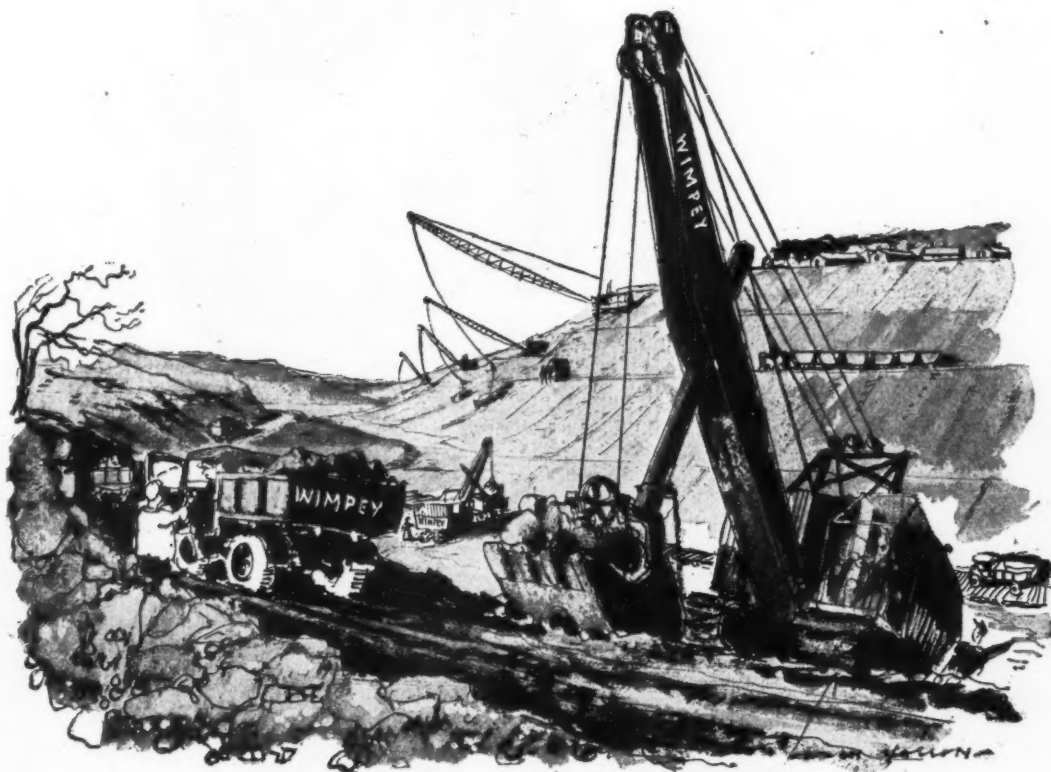
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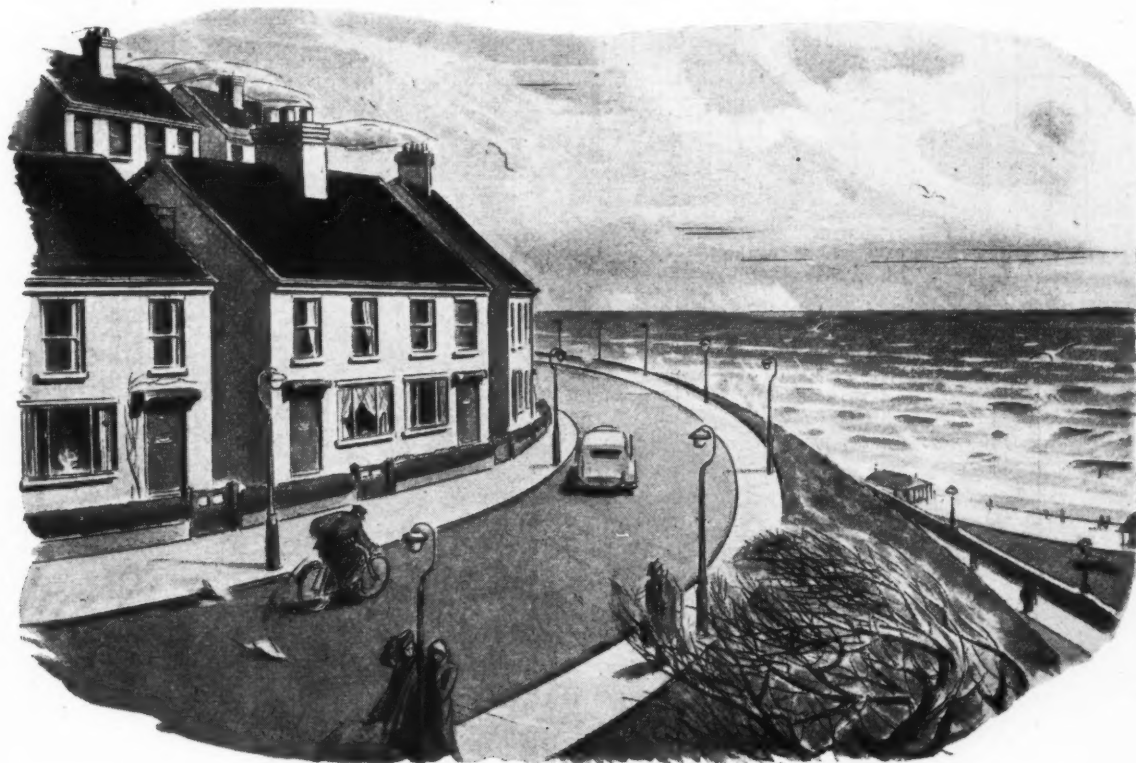
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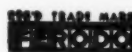


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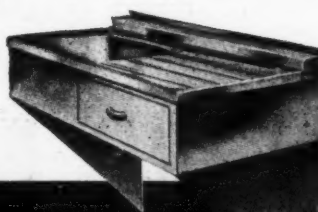






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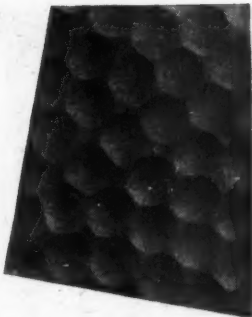

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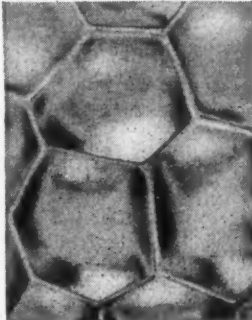
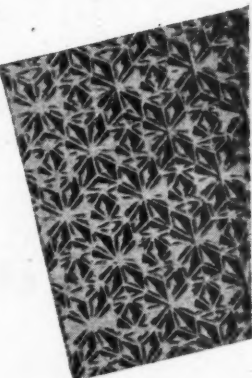
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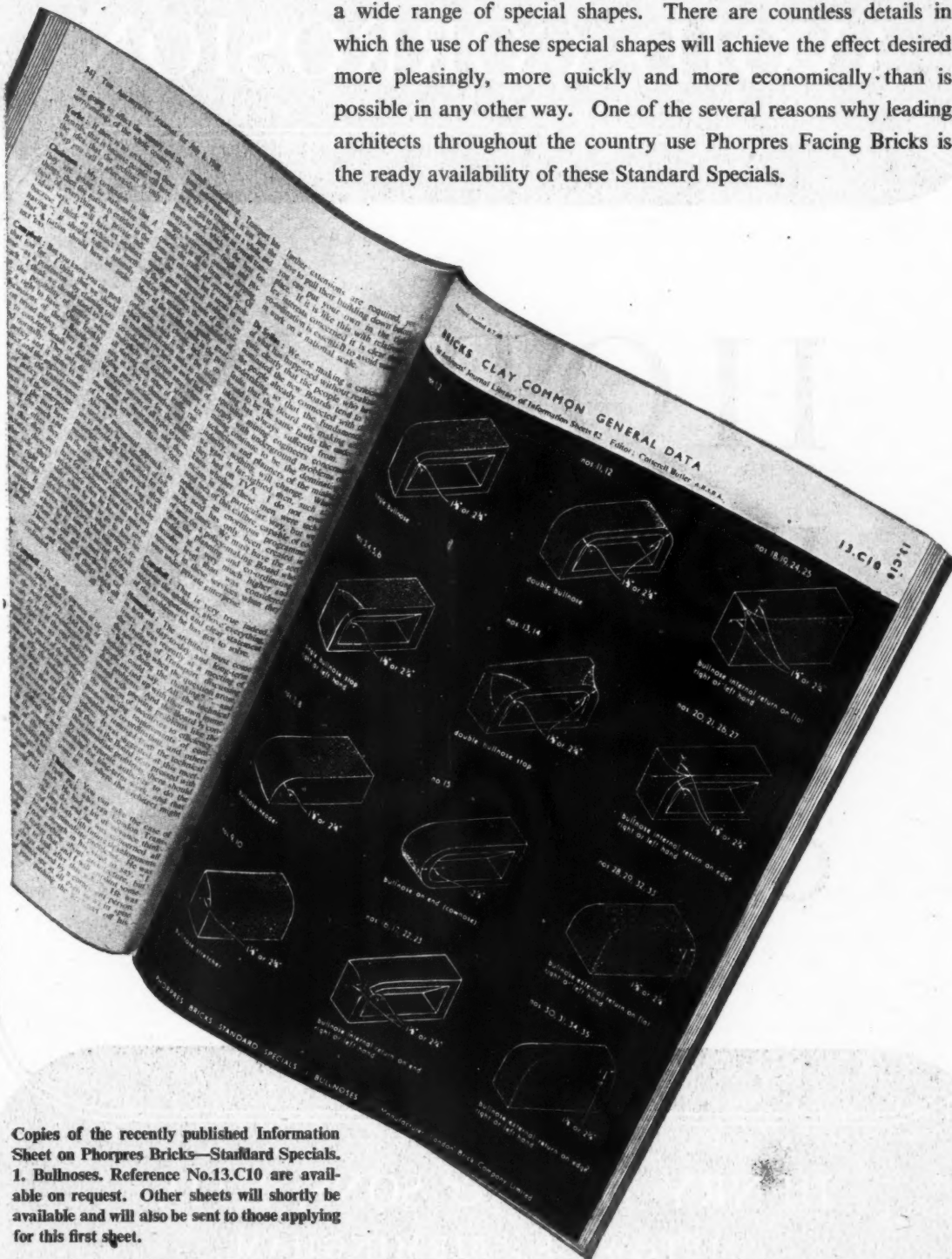
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## DIARY FOR AUGUST SEPTEMBER AND OCTOBER

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.

### BIRMINGHAM. *Design Week.* (Sponsor, CID.) OCT. 11-16

**CAMBRIDGE.** *Town and Country Planning Summer School.* At Cambridge. The main lectures and discussion groups will be held in the Mill Lane Lecture Theatres. Aug. 23. Morning and afternoon: Discussion Groups; 8.0 p.m.: Formal opening of the School at the Guildhall. Aug. 24. 10.0 a.m. Desmond Heap. *Legal and Administrative Aspects of the Town and Country Planning Act, 1947, and its Regulations and Orders;* Afternoon: Discussion Groups. Aug. 25. 10.0 a.m. Sir Robert Fraser. *The Central Land Board.* Afternoon: Discussion Groups. Aug. 26. 10.0 a.m. Geoffrey Clark. *Planning Problems of the Countryside;* Afternoon, Discussion Groups. Aug. 27. 10.0 a.m. Denis Chapman. *Social Aspects of Town Planning.* Afternoon: Discussion Groups; 8.0 p.m. Annual General Meeting. Aug. 28. 10.0 a.m. Debate. (Sponsor, TPI.)

AUG. 23-28

**GLASGOW.** *Exhibition of Drawings and Models of East Kilbride New Town.* At the Scottish Building Centre, 425, Sauchiehall Street, Glasgow, C.2. (Sponsor, SBC.) AUG. 20-SEPT. 4

**LONDON.** *Darkness into Daylight Exhibition.* At the Science Museum, South Kensington. (Sponsor, Science Museum.) UNTIL SEPTEMBER 30

*Display of Domestic Solid Fuel Burning Appliances.* At the Building Centre, 9, Conduit Street, W.1. (Sponsor, CUJC.) This display is changed at approximately 4-monthly intervals.

#### PERMANENT EXHIBITION

*Gas in the Design for Living.* Exhibition of gas cookers, space and water heaters, laundry equipment and portable cooking and heating appliances. At the Building Centre, 9, Conduit Street, W.1. (Sponsor, BGC.)

#### PERMANENT EXHIBITION

*Exhibition of Original Textile Designs.* In Murray Hall, Tilbury House, Petty France, S.W.1. (Sponsor, CID.) UNTIL AUG. 26

*Exhibition of Photographs and Models of Windmills.* At the Victoria and Albert Museum, South Kensington. (Sponsor, V. & A. Museum.) UNTIL AUG. 26

*TUC Memorial Building Competition: Exhibition of Premiated Designs.* At the Building Centre, 9, Conduit Street, W.1. (Sponsors, BC and TUC.)

UNTIL AUG. 27

*Machine Tool and Engineering Exhibition.* At Olympia. (Sponsor, Machine Tool Trades Association.) AUG. 26-SEPT. 11

### TCPA Dutch Tour. (Sponsor, TCPA.) FROM SEPTEMBER 11

*Biology and Civil Engineering Conference.* September 21. Morning: *Causes, Effect and Prevention of Soil Erosion.* Afternoon: *The Effect of Vegetation on Drainage and Floods.* September 22. Morning: *The Effect of Vegetation in Stabilizing Artificial Slopes.* Afternoon: *The Use of Vegetation to Stabilize Sand Dunes.* September 23. Morning: *The Effect of Vegetation on the Settlement of Roads and The Effect of Vegetation on The Settlement of Structures.* Afternoon: *Algal Growth and Engineering Design.* At the ICE, Great George Street, Westminster, S.W.1. (Sponsor, ICE.)

SEPT. 21-23

*Building Teachers' Conference.* At the Northern Polytechnic. (Convener, D. A. G. Reid, Brixton School of Building.) 10.30 a.m. to 4 p.m. Nov. 27

**MAIDSTONE.** J. Singleton-Green. *Concrete Troubles.* At the Maidstone Technical Institute, Tonbridge Road, Maidstone. (Sponsor, S.E. Society of Architects, Maidstone Group.) 7 p.m. OCT. 7

*Discussion. Architects, Builders and Operatives.* At the Maidstone Technical Institute, Tonbridge Road, Maidstone. (Sponsor, S.E. Society of Architects, Maidstone Group.) 7 p.m. OCT. 19

W. Scrivens. *The Town Planning Act.* At the Maidstone Technical Institute, Tonbridge Road, Maidstone. (Sponsor, S.E. Society of Architects, Maidstone Group.) 7 p.m. Nov. 30

#### COMPETITIONS

**RIBA Prizes for Public and Secondary Schools:** A total of 10 guineas in prizes is offered for: 1, The best original illustrated essay dealing with a building or group of buildings with which the competitor is personally acquainted; 2, the best sketches or scale drawings of a building or part of a building in pencil, ink or colour, maximum size 30 in. by 22 in. Assessors: H. T. Cadbury Brown, Hugh Casson, E. R. Jarrett. Further information from the Secretary, RIBA, 66, Portland Place, London, W.1. Entries by October 7.

**RSI Prize Competitions:** John Edward Worth Prize (£40) for an essay on *Practical Improvements of Appliances or Inventions in or about Dwelling-Houses*, and John S. Owens Prize (£15) for an essay on *Atmospheric Pollution.* Apply Secretary, Royal Sanitary Institute, 90, Buckingham Palace Road, London, S.W.1, for general conditions. Entries by December 31.

## 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.

### The chairman of the West Riding Education Committee spoke recently on SCHOOL BUILDING in the Riding.

The chairman (Councillor W. M. Hyman), speaking at Bingley Training College, gave it as his opinion that two out of every five schools in the West Riding should be blown up and that only one in five approached Ministry of Education standards. The next few weeks would see the introduction of the county development plan, covering in great detail 150 or 160 schools, he said. The Ministry were taking every school in the Riding, whether it was in the plan or not, and £65,000,000 would be spent in completing the programme in nearly 30 years. He added that if people knew the condition of some of the schools in the Riding, they would come to the conclusion that £65,000,000 was insufficient. The development plan required the building of 34 multilateral schools, 62 bilateral schools and 47 modern schools on bilateral lines.



# WOOD CASEMENT WINDOWS



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## From AN ARCHITECT'S Commonplace Book

**POSTURE IN THE EIGHTEENTH CENTURY.** [*From Mechanization Takes Command, by S. Giedion (Oxford University Press, New York).*] Eighteenth-century France took up sitting comfort where it had been left by the Greeks of the fifth century B.C. The sociological context is radically different; the chairs and chaise longues of the Rococo are as far from the furniture of the Greeks as the silks and laces of the ladies of the French court are from the austerity of the peplos. Topologically speaking, it was the return of a forgotten standard: To create a support for the body that would allow highly relaxed posture. A red-figured bowl of the fifth century, on which Palamedes and Persephone are depicted, seats the goddess, scepter in hand, with that fully relaxed posture acquired by long breeding and training of the body. Posture and chair are one. The cushionless seat slopes gently backward and the broad back rest carries up to above shoulder height, enfolding the body in its curve. From the backward inclination of the trunk and the forward extension of the feet, at rest on the footstool—a custom acquired from the Egyptians—there emanates the same atmosphere of serenity and natural poise as from a Greek temple. In the eighteenth century, this sitting comfort developed in the direction of ease, luxury, and flexibility in posture. The curved, upholstered backs introduced by the French are the last term of a slow development from the late Gothic on.

**The CLUB FOR EX-SERVICE MEN, at Wealdstone, Kent, illustrated in the Journal for August 5, was incorrectly attributed.**

The club was attributed to D. Dex Harrison and Ernest Seel. The correct title should read, "By D. Dex Harrison and Ernest Seel in association with E. E. Barlow."

tion had acquired in Sutton Road and Abbey Road, Erdington, and to permit the building of the hospital.

Wornum. The exhibition is being organized by the Perex Co., Ltd.

### **An INTERNATIONAL HOUSING AND TOWN PLANNING EXHIBITION is to be held at Olympia from November 9-18.**

The exhibition, which will be held in the Empire Hall, will be in two sections. The ground floor will be used to display building materials and equipment, while a town planning exhibition and conference will be held on the second floor. The conference is being arranged by the Town and Country Planning Association. Club room facilities will be provided. An honorary advisory council has been created for the exhibition under the presidency of Sir Thomas Bennett. The vice-presidents are Mr. J. R. Howard Roberts, Mr. James W. R. Adams, and Mr. A. M. McTaggart. Among the members of the council are Professor Sir Patrick Abercrombie, Mr. Frederick Gibberd, Mr. Clough Williams-Ellis, and Mr. G. Grey



### ★ **Proposals for Building a NEW HOSPITAL AT ERDINGTON, Birmingham, have been approved by the Regional Hospital Board.**

The scheme was put forward by the Birmingham Health Committee. The new hospital will serve the north-eastern part of the city. Alderman W. T. Bowen, chairman of the Health Committee, has stated that at a recent conference of the two authorities there was unanimous feeling that the case for the hospital had been established. In due course the Ministry of Health, with whom land for hospitals was vested, would be asked to acquire land which the Corpora-



**The International Conference on Landscape Architecture, organized by the Institute of Landscape Architects, ended last week.** The conference, which was held at County Hall, London, was attended by landscape architects from Europe and the USA, and thirteen papers on various aspects of their work were read. [See Societies and Institutions in this and last week's JOURNAL]. The photographs above were taken during the conference. They show left, a view of the opening ceremony, presided over by Mr. Walter R.



Owen, Chairman of the London County Council, with the Duke of Wellington on his right, and Mr. G. A. Jellicoe, the Chairman of the conference, on Mr. Owen's left. Right, a group of Norwegian landscape architects at the exhibition that accompanied the conference, which remains open until August 21 and was illustrated in the JOURNAL for August 12. Top, the Minister of Town and Country Planning with the Duke of Wellington and Mr. Owen after the opening ceremony.

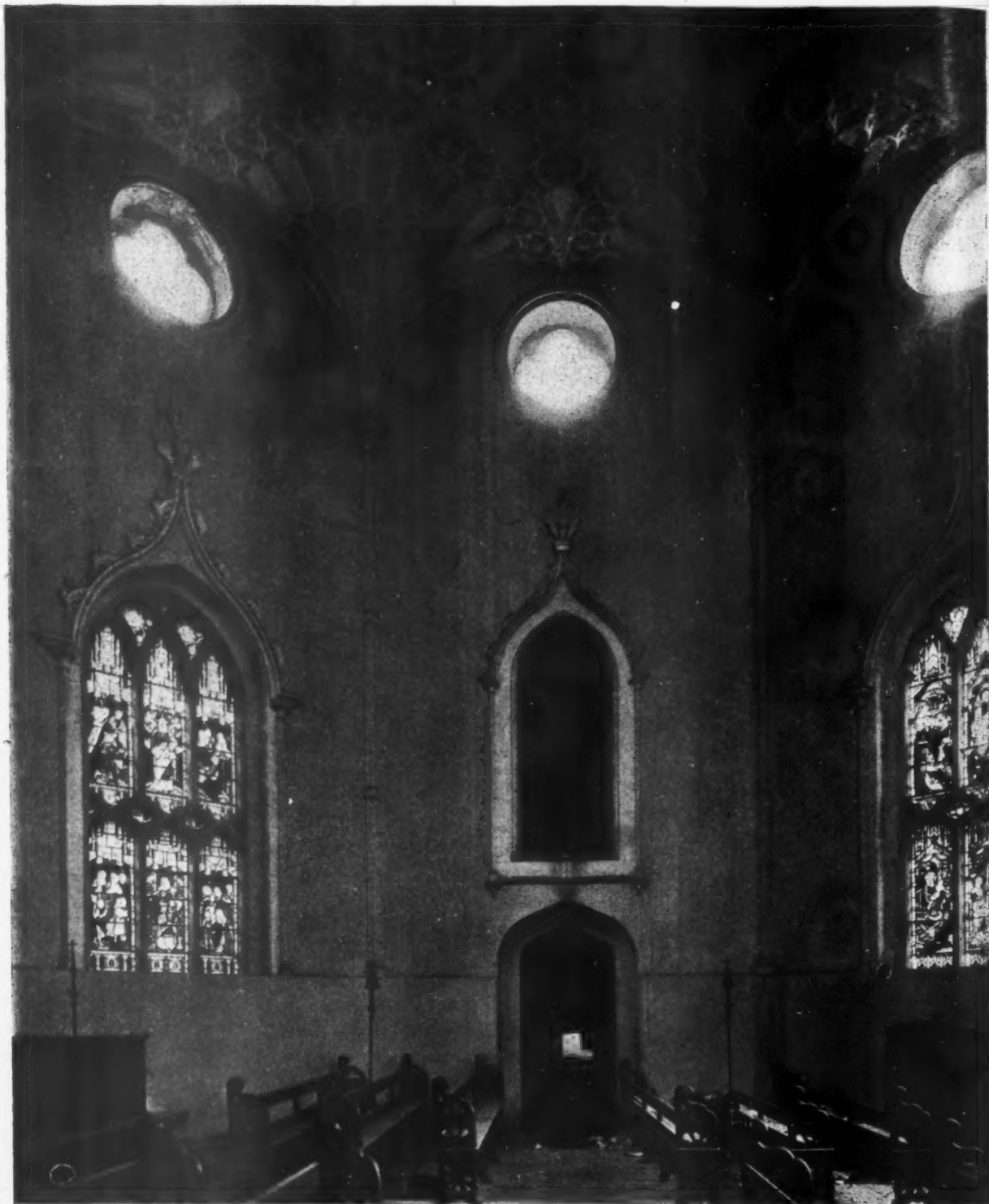


Photo: National Buildings Record.

## Vandalism Triumphant

The earliest gothic revival architecture in England has a rococo delicacy characteristic of the period. Gothic forms are used as a motif, and the attention to accurate detail that was the fetish of later work, is a secondary consideration. The photograph above is of Hartwell Church, Bucks, which was built by Henry Keene between 1753 and 1756 and is hence contemporary with Strawberry Hill. Before the recent rainy weather the church was raided, in the absence of the caretaker, and a quantity of lead stripped

from the roof. The effect on the interior has been disastrous, and the very fine plasterwork of the imitation fan vaulting is rapidly disintegrating. This is all the more sad since the church was renovated only five years ago. The photograph was taken just before work began and shows the lath and plaster construction of the vaulting quite clearly. Gothic revival work of this period is too rare to be neglected, and it is to be hoped that a further restoration will be possible.

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## Twelve houses can be built at CAERNARVON BY PRIVATE ENTERPRISE.

Mr. William Hughes, chairman of the housing committee, told this to the Town Council, when he said that permission had been given by the Welsh Board of Health to sanction a ratio of private building, and the committee had allocated twelve. They had felt the need for the section of the community who were disqualified from getting houses under the Council's scheme. The Town Clerk, Mr. W. Philip Davies, reported that following a request by the North Wales housing authorities urging the Minister of Works to allow the Press to attend zonal housing conferences, the Minister had replied that conferences were not public meetings and the request could not be granted. It was decided to protest against the reply received.

## ★ The BIRMINGHAM HOUSING PROGRAMME has been debated by the City Council.

Councillor Griffiths, chairman of the Public Works Committee, referring to the recent meeting with members of Parliament for the city, said that what was important was that M.P.s wanted to know how they could best assist the city. As a consequence, the M.P.s would stress the important contribution Birmingham was making to the export drive, and point out the expanding population of the city, already the highest outside the Greater London area. Alderman P. L. E. Shurmer said that all M.P.s were co-operating, irrespective of party, for they realized that rehousing of the city's population was an urgent social need. They would not rest until the city was receiving up to 10,000 a year. Alderman T. B. Pritchett expressed disapproval of the fact that, of the further allocation of 1,565 houses which the Ministry had given to Birmingham, not more than one in five could be reallocated to private enterprise. Only if private enterprise were given a chance could Birmingham look forward to a brighter housing future.

Alderman W. S. Lewis, former chairman of the Public Works Department, said that there were peculiar conditions attached to Birmingham, and while the Government might lay down a very definite national policy, that policy might not always apply fairly to a city like Birmingham. If Birmingham was to continue to produce houses, the city had got to have a very large programme. It was impossible to plan from hand to mouth. The Public Works Committee must always be in a position to plan for three or four years ahead. The city possessed some of the finest house builders in the country, who had based their business success on a policy of large-scale orders and a continuity of employment for their employees.

## NEWS IN BRIEF

Scunthorpe school building plans for 1948-49 have been reduced by the Ministry of Education. The Education Committee were told at a recent monthly meeting that the Ministry were only prepared to include additional classrooms to Brumby Senior School and a new two-form infants' school at Ashby in the building programme.

Mr. John Leslie Martin, principal assistant architect, British Railways (London Midland Region), has been recommended for appointment as Deputy Architect to the London County Council at a salary of £2,000, rising to £2,500. Fifty-one applications were received for the position.

## ROADS AND BRIDGES

EVERY major planning scheme nowadays invariably includes in its recommendations proposals for new arterial roads, bye-passes, clover-leaf intersections, over-passes and underpasses, parkways and similar expressions of the contemporary revolution in transport. There is naturally some concern among those who know and love the countryside lest the new scale these features introduce should destroy that harmony and beauty that is the outstanding characteristic of the English landscape. And it is true that there is little reason to think that anything but the engineering aspects of the modern transport problem have so far received much attention. Most of the great road schemes completed before the war suffered from a disastrous rivalry between the engineers and the architects working for our major civic authorities, and from the narrow outlook of the Ministry of Transport. Fortunately, however, there is some hope that before the proposals now emanating from the planners are carried into execution a new spirit will have arisen. The Ministry of Town and Country Planning has an interest in softening the harsh irruption of giant motorways, the Ministry of Transport is sensible of the need to reconcile the claims of rapid and easy transport with the character of the countryside, and the new Planning Officers will undoubtedly be briefed on the necessity of making roads and their essential equipment and accompanying structures into worthy pieces of design as well as notable works of engineering.

Point is added to these considerations by the recent publication of a BIOS report on the design of the bridges on the pre-war German *autobahnen*. These immense motorways have been acknowledged as significant examples of highway engineering, and travellers using them have testified to the care with which embankments, cuttings and the dividing strip between the tracks were landscaped and planted, the apparent sensitivity to the natural characteristics of the landscapes, and the general harmony of the designs. The BIOS report makes it clear that visual quality was regarded as of great importance. In the words of the report: "The increased expense which was caused in many cases in the effort to obtain visually satisfactory results was considered well worth while." Moreover, one of the best-known German architects, Professor Karl Bonatz, the architect of Stuttgart railway station, was appointed general consultant. We are not concerned here to eulogize the skill of the Reich's *autobahn* designers and builders, but to draw attention to the need for giving the same consideration to the design aspects of our own road building while there is yet time. Good design is an asset worth a good deal of additional expenditure.

There can be no doubt that in this country there are many assets that should help to make our roadways, designed for the motor vehicle of today and tomorrow, uniquely beautiful. The traditions of Telford, Macadam, Brunel and others should give us confidence, and structures surviving from their

day, such as the superb suspension bridge over the Avon Gorge at Bristol, an object of international pilgrimage, are before our eyes, and should inspire the younger generation of architects and planners to seize today's opportunities as they are offered. In spite of the destruction already done, many parts of Britain still possess landscapes of an incomparable softness and delicacy and a warm human scale. The further need is for official generosity, understanding and support, courageous and ungrudging. Last week's conference, organized by the Institute of Landscape Architects, provided evidence of the interest being taken in these problems. It will be the test of our new bureaucracy whether the required support is forthcoming.



*The Architects' Journal*

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

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T O P I C S

#### LEARNING FROM THE U.S.

The American experts who are to tell our industrialists how to be industrious may well have something to say about building, for the cost per cubic foot in the US seems to work out roughly the same as ours, even though wages there are at least double. Is it all mechanization and power tools? Some of it is, no doubt, but often there seems also to be a competitive spirit between rival squads on the site—at least one hears a lot about it, and it was certainly evident here on one or two jobs run by VJ contractors.

Maybe incentives will boost output here, though probably not to any marked extent until materials are in really free supply. Even so our Work-

ing Party might do worse than look at American techniques, and there are two experienced contractors among them who would at least know what is possible and reasonable for use here. MOW have admittedly tried to encourage the use of small power tools, but most of them are too expensive for the man who has only two or three employees.

#### TPI SUMMER SCHOOL

The Town and Country Planning Summer School, organized by the TPI, is being held at Cambridge from August 23 to 28, and is certain to be an important event for a dozen reasons.

The first is the passing of the new Act. The Summer School is no longer a place for discussion of projected reforms that need not be taken too seriously. It is now the probable scene of policy statements on an Act that affects everyone. It will be addressed by the Minister, by Sir Robert Fraser, Secretary of the Central Land Board, and by Mr. Desmond Heap, City Solicitor and author of the Law Society's excellent guide to the Act. It is rumoured that over 300 applications to attend have had to be turned down.

Mr. W. L. Waide, Hon. Secretary of the School for what by now seems many years, is Cambridge County Planning Officer, and the organization of the School, always good, is likely to be better than ever. The Oxford Plan is to be on show, and at a time when Mr. Waide's Department, with Professor Holford as consultant, are preparing a plan for Cambridge, this is likely to

draw the dons as well as the Summer School.

Mr. Henry Morris is leading the discussion group on cultural relations in the modern community, Professor Eva Taylor on survey technique and Mr. H. Myles Wright on central area planning problems. Those members who want to work hard will therefore be able to do so. For others that illustrious kilometre from Peterhouse to Magdalene provides the best excuse in the world for voluntary absenteeism.

#### NOT QUITE FAIR ENOUGH

I called at the Alexandra Palace the other day for a preview of some of the exhibition stands to be shipped to Copenhagen for the British Fair opening there in September. This has been organized by the British Import Union of Copenhagen in collaboration with the FBI, and has the approval of the British and Danish Governments.

An admirable scheme—but why does the heart sink ever so slightly at the thought? For this reason, perhaps: here we have an extensive exhibition of British goods, displayed in a country world-famous for its high standard of design, and held at a time when the seller's market has collapsed and when good design and presentation have never been more important. And yet, it appears, the British Government gives only "approval"—surely it could hardly do less—and the problem of presenting the show is handed over to the doubtless enthusiastic but frankly amateur hands of the FBI. No design policy has been worked out, no co-ordinating designer has been appointed to ensure that some coherent and orderly standard of design is maintained.

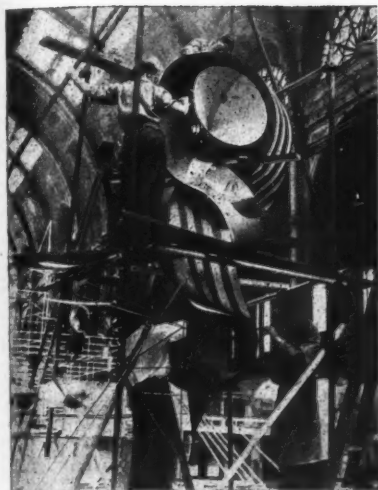
As with the Olympic Games, our failure to seize chances of this kind is almost complete. What is the defence? Something I suspect like this: that we have enough controls without getting any more; that aesthetic control is always undesirable and difficult to work; that some of the best exhibition designers in the country are in fact designing a few of the individual stands; and finally that the manufacturers know best. All very true.

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Work in progress at the Alexandra Palace on the I.C.I. stand, designed by Basil Spence, for the British Exhibition at Copenhagen, opening on September 18. See Astragal's note.

But it is also true that until unified design was applied to the BIF in London that exhibition was notorious for its chaotic vulgarity; that although a few of the larger firms may be able to employ good designers, many of the smaller ones will be thrown upon their own resources—i.e., a harassed sales manager and a director's wife lending a hand with the lampshades for the stand office; and finally the majority—surely—of manufacturers would welcome skilled assistance in the presenting of their goods.

Perhaps I am making heavy weather of all this. But it seems to me that (a) in an exhibition of this scale the Board of Trade should take more active interest, (b) part of that interest should take the form of making use of that underworked design consultant on its payroll, the Council of Industrial Design, and (c) an architect or designer should have been appointed to co-ordinate display, lettering, and general colour schemes in collaboration with the Danish authorities. Maybe it won't be so bad after all, but with the Piccadilly Circus Olympic decorations fresh in my mind I don't feel optimistic.

#### T-SQUARE

*Taliesin Square-Paper* No. 12 has just reached me. It is published and printed by the Taliesin Press, written, edited and produced by Frank Lloyd Wright, and

subtitled "A non-political voice from our democratic minority." Its format the inevitable square, it appears from time to time to communicate the Master's views on current economic, political, and architectural problems.

No. 12 sets out with Wright's usual vigour and confidence his version of the four freedoms required to maintain peace. Other papers in the series have reprinted a broadcast on the requirements of the United Nations Building, the study of nature, and the inner vision of the creative artist, and in No. 7 Wright lets fly at Robert Moses, the former Park Commissioner for New York City, in reply to a newspaper article in which Moses had admitted to not fully understanding Wright's views, and advised him not to attempt too much.

Moses was likened to the mole who "noses into whatever is where he is, and goes it, blind." Granting the Park Commissioner some ability in staving off the decay of the city, "His astonishing achievements in mitigating details of dying and burial entitle him to eternal local gratitude." The city of course is doomed in spite of moles. I wonder what Wright would say of the Valuer and Housing Director of the LCC. Anyhow it is clear that the Taliesin Fellowship is fed on strong stuff.

#### A.P.R.R. POSTSCRIPT

This week's news about the fate of the APRR School of Planning is more reassuring. When I disclosed that it might have to close down following the Ministry of Education's refusal of a grant, I said the matter was now in the hands of MOTCP. It seems that Mr. Silkin's intervention has been successful, for the Ministry of Education have reversed their decision.

I hope they will now make amends by making their grant a generous one. A supply of properly trained planners, as everyone agrees, is vital to the success of the new town-planning legislation. The APRR should have every encouragement to go on producing them.

ASTRAGAL

## LETTERS

Eric Janes, A.R.I.B.A.

"One of Them"

### Round the Table

SIR,—I have just returned from holiday and was surprised to read Mr. Maunder's vigorous objections to my references (contained in the Round Table discussion printed in the JOURNAL of July 15) to the Bucks County Council. I am sorry that Mr. Maunder interpreted my references as a personal attack—they were not intended as such. My intention was to exemplify, by comparison, the plight of private architects caused by the political build-up of our official colleagues. This situation is general and obviously not confined to Buckinghamshire. I understand that the purpose of the Round Table discussions was to obtain unreserved personal opinions on the various topics raised. My views, therefore, expressed great personal worry at this situation, and I believe that my views are representative of an unfortunately large body of our profession—the worried private practitioner. Reviewing Mr. Maunder's letter (together with his advertisement on page xlix of the same issue for three architectural assistants and one quantity surveyor!) I can see no reason for less worry.

Mr. Maunder's gambit cannot pass without comment on some of his points:—

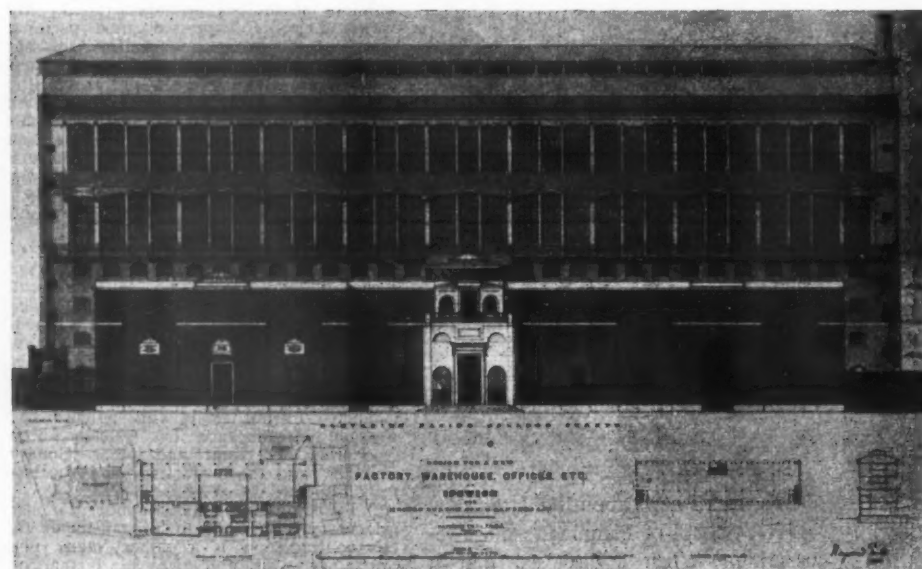
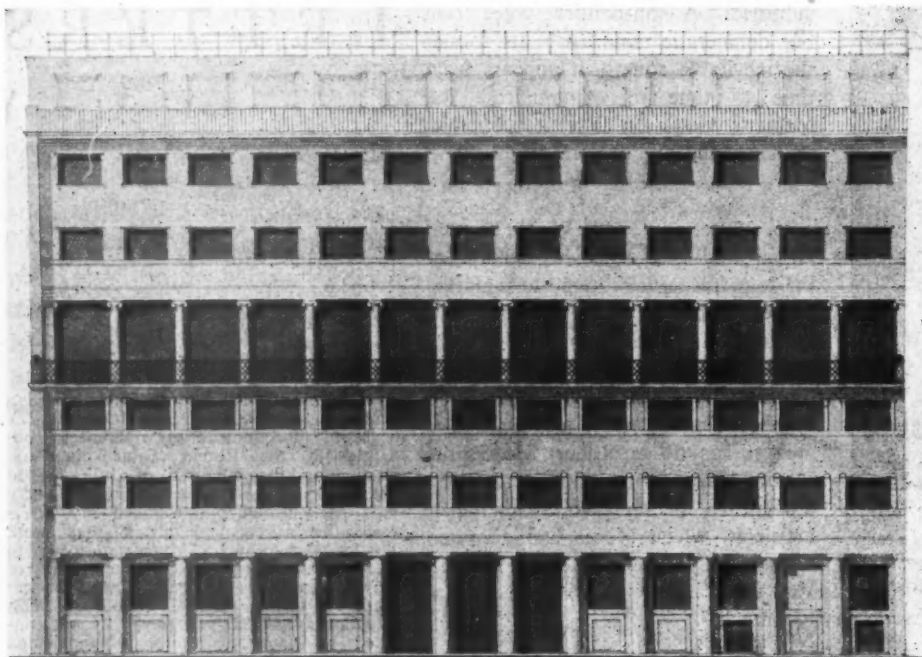
(1) He is well aware of the significance of the new Education Act in relation to the school building programme. His statement, therefore, that "his Council have commissioned no private architect to build a school for at least 30 years" is both discouraging and alarming. In the light of the new Act and the resulting vast expansion of their programme, we can only hope that the Council will not retain this policy. The changed circumstance has already been recognized by Kent and other County Councils, and the work is being successfully dispersed.

(2) I apologize to Mr. Maunder for my inaccuracy in referring to his staff members. His contradiction is a rather vague discourse, however, and gives no factual or numerical correction of my figures. Perhaps, after filling the advertised vacancies previously referred to, my figures may not be quite so inaccurate?

(3) My reference to architects in Bucks referred to those working in Bucks, not living in the County and working in London or elsewhere. However, until we know the true staff numbers of his department, we can make no further comparison.

(4) Lastly, I must make special reference to the following statement contained in his letter: "The overall cost to the Council of architectural work carried out in my department is approximately half of what it would cost them in architects' fees if the work were put out." This is a most serious assertion, and is of such vital importance to every private architect in the country that it should be publicly proved. In the light of such a statement or claim coming from a responsible technical officer, what earthly hope has the private architect got of being asked to carry out work for a public authority? Will any Council commission private architects in the face of expert advice that the fees will be twice that of a staff architect?





## THE RESURRECTION OF A STYLE

Readers may have noticed the two designs on the left in recent architectural exhibitions. They are the work of Raymond Erith. The drawing, top, is the main elevation of his design for the proposed T.U.C. Headquarters in Bloomsbury. The finely rendered drawing below it is a proposal for a factory, warehouse and offices at Ipswich shown at this year's Royal Academy.

It is most unusual to see the style of the mid-nineteenth century used as a solution for the architectural problems of the present day. Possibly Mr. Erith is endeavouring to pick up the threads of the Georgian tradition at the moment before it was swamped by the exuberant stylisms of the late Victorians. The designs are delicate and appear to combine the fine linear qualities of early cast iron buildings with the influence of the Greek revival and the austere designs of Sir John Soane.

It is interesting to see a contemporary architect with the courage to regard the Victorian period, which is frequently the subject of mere abuse, as one from which inspiration can be drawn.

How does Mr. Maunder manage his incredible saving? Is he saying that the RIBA scale of fees (including the special scales applicable to work for Government and public authority departments) are about double what they should be? Is he saying that he and his staff work twice as hard (or perhaps double the hours!) as those of us in private practice? Is the apportionment of overheads to his department particularly favourable?

None of the above suggestions seems to be the answer to this amazing 50 per cent. saving in "overall cost," and until this assertion is publicly and irrefutably proved, I cannot really believe it. This is a long letter, but in view of the importance of Mr. Maunder's assertion, I hope he will do me the justice of replying in full and proving his cost accountability.

High Wycombe.

ERIC JANES.

SIR.—Mr. Maunder has some grounds for

his protest against Mr. Janes's selection of the Bucks County Architects' Dept., as an egregious example of official architecture, inflated and out of control. Even if Mr. Janes's figures were correct, it is invidious to pick on one case of hypertrophy, and a comparatively mild one, when the disease is so common.

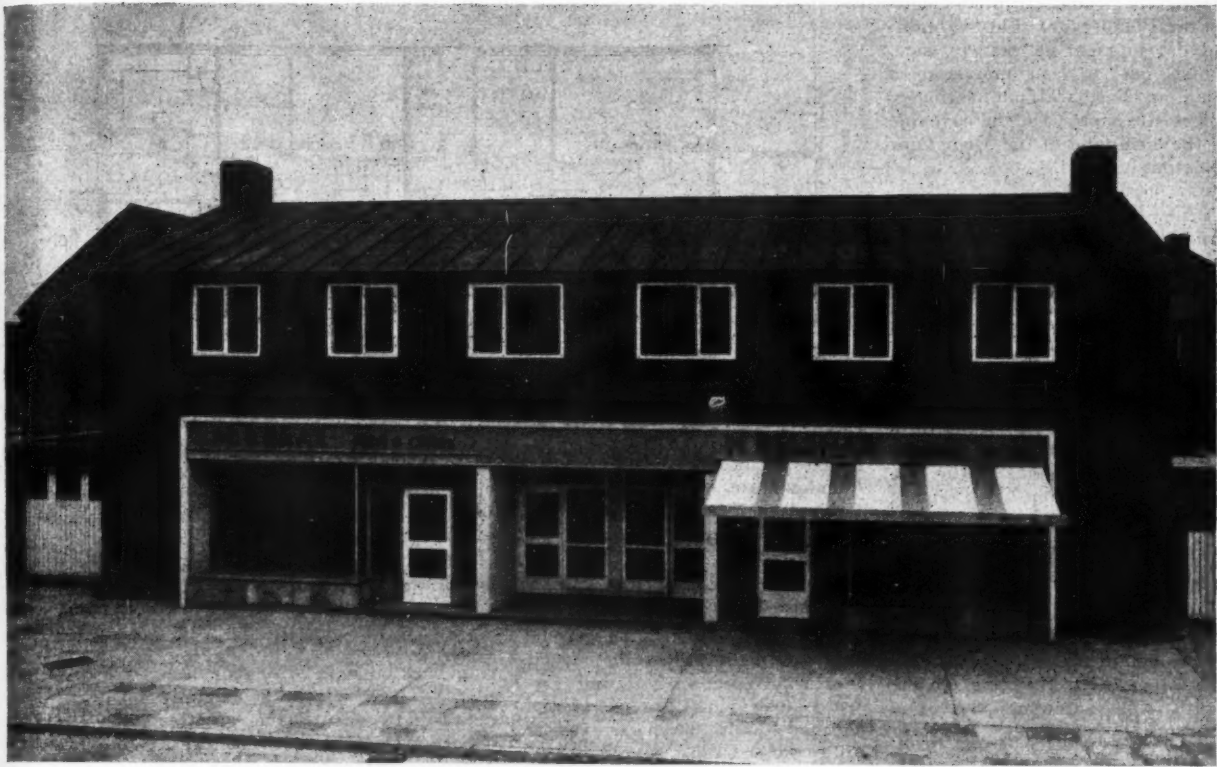
On the other hand, in reading Mr. Maunder's defence in your issue of July 29, one may well ask how he calculates the value of the work of his department. Does he value the output on the minimum RIBA scale? Does he debit each job with the cost to the public of superannuation and other official "perks"? Does he debit it with charges such as rent, rates, taxes, light and heat, typing, duplicating, postage, stationery and all those charges which the private architect has to meet? Then there are all those abortive schemes, which fill the official architect's time. I cannot imagine that any Committee, in its

senses, would, if faced with the necessity, pay a private architect his 1½% to produce a sketch plan and estimate for a job which was not reasonably certain of being carried out.

But still the worst feature of the official architect's machine is its sterilisation of too many qualified men, whose output is restricted by red tape, indifferent leadership, discontent, favouritism and the National Charter 34 hour average week. (Work that out, if you don't believe it.) The official architect is himself the severest critic of the system. I know offices that have a 50% change-over of staff in 12 months. The advertisement columns of your paper and others give evidence of the state of flux and frustration, which urges serious official architects to lead a nomadic existence in the hope of finding something a little better than their present job. This at the cost of hardship to themselves and expense to the public.

ONE OF THEM.





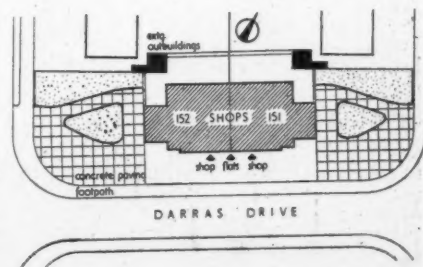
# SHOPS AT MOOR PARK, NORTH SHIELDS

DESIGNED BY J. G. RYDER,  
ARCHITECT TO SURVEYOR'S DEPARTMENT,  
COUNTY BOROUGH OF TYNEMOUTH

**GENERAL.**—The purpose of the scheme was to provide two shops, each with a flat over, for a general dealer, serving normal daily needs, and a fried fish tradesman providing ready cooked meals, for a small population occupying 150 new council dwellings. Many of the tenants of the houses are employed in local industries adjoining the estate. The nearest existing shopping area is some distance from the site.

**SITE.**—The site faces due south, overlooking new housing development. The aspect both to the east and west is over a com-

Above and below, the main front.

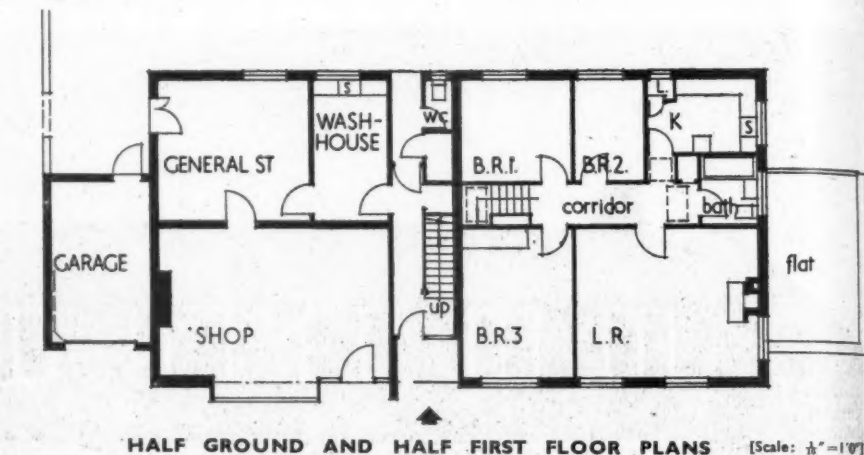


SITE PLAN

paratively uninterrupted agricultural landscape. Future building development on the west side, which has a deep pre-arranged building line, will not seriously affect the view. On the east side is the open land of the Moor Park isolation hospital.

**PLAN.**—The plan form was governed by an area of land originally intended to be occupied by a pair of semi-detached houses. With the exception of a rather cramped yard space no other difficulties were encountered to create unorthodox plan variations. The views to the east and west influenced the disposition, fenestration and detailed planning of the kitchen and living room. In the case of each living room the fireplace was broken back about 2 ft. 6 in. above floor level to allow for the inclusion of a large window overlooking the more attractive views. The most important requirement to influence the general character of the building was that of having the entrance to the flats on the south side adjoining the shop entrances.

**CONSTRUCTION.**—Party and external walls, 11 in. cavity, 9 in. internal spine wall on ground floor reduced to 4½ in. at first floor level providing central support to a 33 SWG 20 deg. pitch copper roof on 1 in. insulation board and 3 in. by 2 in. trusses at 2 ft.



centres. Cill details are in copper. Windows are of selected timber. Ground floor on concrete. Details generally of joinery work are to BSS.

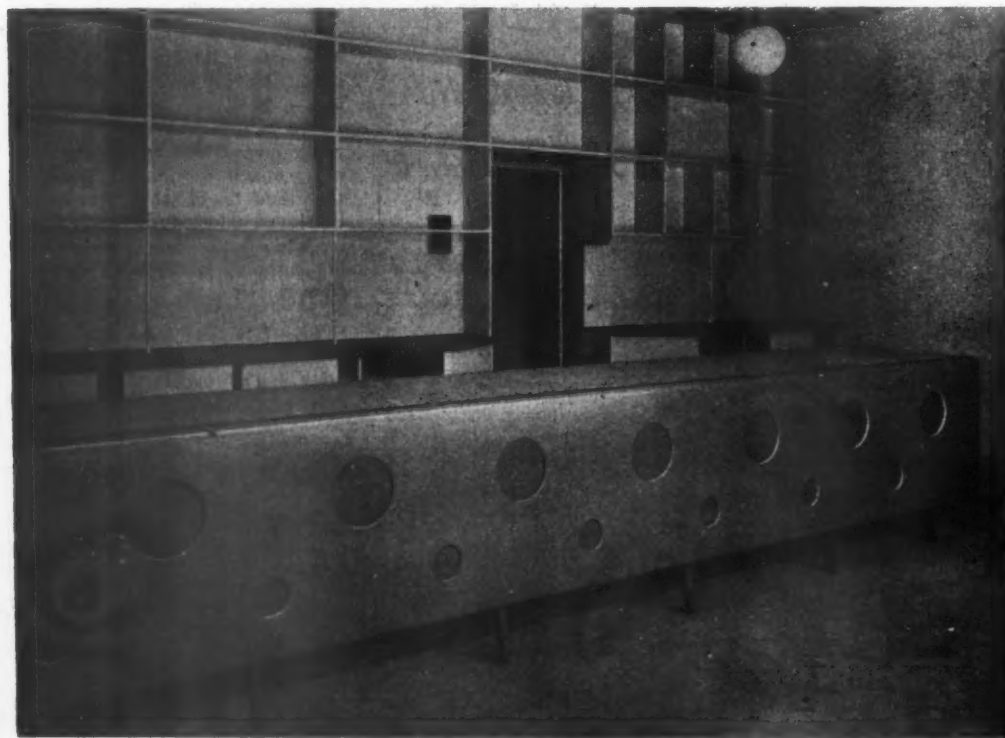
**ELEVATIONAL TREATMENT.**—Walls are of sand faced bricks of slight multi-colour with recessed joints of light grey lime cement mortar. Windows set well forward flush with brickwork and finished with 26 SWG copper cills. The 3 in. concrete surround to shop windows is finished with light cream colour-wash. The fascia is blue-grey with dark blue lettering, and shop window frames are light blue, otherwise all joinery work is dead white. Plinth to shop fronts is reconstructed sandstone.

**INTERNAL FINISH.**—One coat of distemper applied throughout. Flush ply doors painted blue with white architraves to shops, all other interior joinery in light cream and grey.

**SERVICES.**—Hot water supply is from back boiler in living room fireplace. The fireplace was carefully detailed to ensure the greatest efficiency from the short flue length due to a comparatively flat roof pitch.

**CONTRACTS.**—One contract. Contract price £4,450. The general contractor was M. J. Liddell. For list of sub-contractors, see page 190.

*The counter in the general store.*



SHOPS AT MOOR PARK, NORTH SHIELDS

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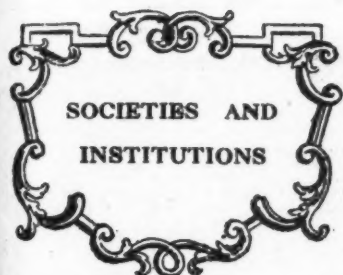
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*Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes professional societies, trade associations and government departments. To save space they are represented by their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

ILA

## Leon Zach

August 12. A paper read at the sixth session of the International Conference on Landscape Architecture by Leon Zach, Fellow of the American Society of Landscape Architects, on THE EDUCATION OF THE LANDSCAPE ARCHITECT. Lord Forrester of Corstorphine was in the chair.

**Leon Zach:** Of the many definitions of landscape architecture which have been formulated through the years, the simplest describes the profession as the art of arranging land and the objects upon it for human use and enjoyment. Charles Eliot, Landscape Architect, once stated: "Civilized man enjoys natural scenery as the savage cannot, and he permanently preserves what he may of it in parks and public forests. Elsewhere he is necessarily a transformer and destroyer of nature. The landscape of civilization is an artificial landscape, and as such it may be either beautiful or ugly—beautiful when it is the blossom of use, convenience, or necessity; ugly when it is the fruit of pompous pride or common carelessness."

How are we to choose among the infinite variety of methods and means of dealing with the land and the objects upon it with a view to serving human needs and requirements and at the same time to securing greater enjoyment from the appearance of the result? To provide the student and potential practitioner with a background upon which he may make the widest choice in these matters has long been the aim and challenge of education in landscape architecture. The landscape architect's opportunities are so various in scale and type, the wonder is that his schooling gives him more than a mere smattering of the techniques and abilities needed for his profession; for in his work on the land there is no limit, up or down, to the objects of his endeavours, whether they be small gardens, land sub-

divisions of hundreds of acres, or the development of the complete environment of cities.

In providing the neophyte with this background, it is early made clear that landscape design, again in the words of Mr. F. L. Olmsted, Jr., "merges into many branches of engineering and the economic arts in the sense that it deals with the same subjects; dealing with them, however, from the standpoint of outdoor beauty; just as architecture merges into engineering through holding fast to the standpoint of beauty in building. As a fine art landscape architecture merges into architecture; but is centred primarily on a different class of mechanical and artistic problems from those of architecture; dealing with unroofed spaces, often of great horizontal extent in proportion to the vertical dimensions; and dealing far more than architecture with elements which change through the years, like growing vegetation, always in accordance with orderly laws, but laws too complex to permit of mechanically exact prediction."

### CONCEPTION OF SCALE

The student in landscape architecture is early made conscious of the fact that the surface of the earth is continuous and that land planning which fails to recognize this fact can never be wholly successful. He sees how all too easy it is for the architect or the engineer to look upon and treat land primarily as a site for a structure or a group of structures, with little or no regard for what happens to adjacent land as a result of their work. By contrast he is taught to look at planning "in a big way," and never to overlook the potential far-reaching effect of his work on his small piece of the earth's surface, and of the mutual relationship between it and the larger area of which it is a part.

In order that he may spread this gospel—even before he starts his professional activities, if conditions for it are ideal—he is given collaborative problems with the other professions. Many schools in the United States call for at least one such problem a year; some schools for several a year. At some of the schools instruction is now leaning more and more toward treating landscape architecture as only one phase of education in a school embracing all design and recognizing the mutual contributions of the world's developing thoughts whether labelled architecture, landscape architecture, engineering, city planning, fine arts, or government. In the last decade, at least three American schools of landscape architecture of the group which are recognized as satisfying the minimum educational requirements of the American Society of Landscape Architects, have become departments or divisions of such a School of Design and perform their work in close collaboration with the other divisions—usually architecture and city planning. The early years in such a school find identical or at least partly identical instruction given to all three departments, each of the three thus gaining a modicum of knowledge of the techniques of the other two.

This emphasis on collaboration is clearly wise when it is realized to what a considerable and increasing degree the professions are working together in various phases of construction and large-scale developments, such as housing and urban development and redevelopment. The ability to "talk the language" of the other practitioner, to appreciate his viewpoints and his aims, is invaluable in both private and public work—the latter an increasing field of endeavour for the landscape architect.

### BASIC TRAINING

Common instruction in the early phases of study is based at one school† upon the

premise that each of the three fields—architecture, landscape architecture, and city or regional planning—includes, to quote its catalogue, "an area of human interest and a technique peculiar to itself and not included in the others; and yet all three are also parts of a common field and have processes and objectives which are and should be identical." Upon this basis, this school gives identical instruction to all first-year students in the three departments. Quoting again from its catalogue:—"The objectives of this first-year programme are two: first, to acquaint the student with that way of working which is common to the arts of design; and second, to give him some basic experience with the techniques of the associate professions. Design in architecture, landscape architecture, and city or regional planning begins with the assembly, correlation and interpretation of social, economic and physical data. From this beginning the designer proceeds to the creation of an imaginative order and to the evolution of an order made up of materials—of shapes, enclosures, structures, surfaces, colours—which conform to the order thus inwardly conceived. Whatever may be its ultimate goal, all education in these arts must be especially in the preliminary and fundamental phases, addressed to the development of these processes of thought and vision. This must be done not through precept merely or example—still less through the accumulation of factual knowledge—but through such experiences as will establish in the student's mind a clear apprehension of these basic relationships and encourage those aptitudes which are specific to this order of creative activity."

"These experiences are gradually woven into the study of professional techniques and become inseparable from these. Drawing, graphics and modelling are introduced as means for the communication of ideas: it is here that the student will first meet the demand for originality of concept, economy of means, precise statement and forceful presentation. Considerations specific to the professions follow. These include a study of ground forms and sites, map-reading, topography and simple structures and broad investigations into the patterns of community life. The students are required to visit many properties and to learn at first hand the relation of structures, site and city; they become acquainted, through field trips, graphic representation, and the making of models, with the nature of the materials and methods which are basic in their several professions; and these experiences are, of course, supplemented by theoretical analysis and exercises."

"When the student has acquired a sufficient experience with site, shelter and the community, he is given a progressive series of problems in design—problems which include the elements of all three professions. This training in design tends right from the start to develop a habit of integrated thinking in terms of space, technique and economy. The problems are, so far as is practicable, related to actual sites and probable requirements. The procedure is similar to that which obtains in professional practice."

It is only fair to note at this point that the courses described above are given at graduate level. At undergraduate level, collaborative work normally consists of one or several separate problems consuming only a small part of a full scholastic year at the schools where both architecture and landscape architecture are taught.

### SPECIAL BACKGROUND

As special background upon which to base his decisions and choices among the infinite variety of methods and means of dealing with the land and the objects upon it, the student first learns of the physical origin of landscape characters—mountain, valley, plain, desert, sand dunes, water bodies, mountain meadow, bushy pasture, the English pastoral landscape—all of which

\* In review of *Italian Gardens*, by C. A. Platt, January 3, 1894.

\* *The Significance of the Fine Arts*, p. 323.  
† Harvard University.



depend for their character upon either ground form, vegetation, or, to a degree, upon the hand of man. From this he will gain inspiration, training in appreciation, and information for use in his own designs. His choice of landscape character in park or private place will be motivated by this field of study, and he will be the more appreciative of its value to his fellow man in the preservation of natural scenery.

Secondly, his special background includes study and analysis of the historical styles of landscape design. From study of the examples of these styles of the past, the student acquires a "treasury of inspiration, provided he studies them "not as an archaeologist, not as a copyist, but as a workman providing himself with tools for future original use," by seeing "how in each case the designer met a particular and individual problem" and by feeling "a brotherly and human interest in the way his predecessor has adapted means to ends."\* Thirdly, he studies landscape composition as applied to objects on the land; shape, scale, texture, colour, light and shade, atmosphere and atmospheric perspective. Fourthly, he is given an appreciation and the beginnings of the knowledge of natural forms which is a prerequisite to good design. Carrying further his earlier study of landscape characters, he studies in detail hills and mountains, valleys, plains, bodies of water, shores, beaches, streams and stream banks, waterfalls, rocks, and ledges, and the modelling of ground surfaces, all with a view to their potential use in his compositions.

The last area of special education for the landscape architect is in plant materials—their characteristics as applied to landscape design, their form, texture, colour, and character and the many and various uses to which he may put them. As Hubbard and Kimball have said:—

"Through the growth of plants the landscape designer has an opportunity which other designers have not; for although he may by sufficient expenditure produce in a short time approximately the effect which he desires, he may, on the other hand, with comparatively little expense set out small plants and trust to their growth to bring about in time the effect which he originally had in mind. Granted this element of time, the landscape architect has in vegetation a very plastic material with which he can produce masses of manifold shapes, and if necessary of great size."† The study of plant forms and of the care and maintenance of vegetation is followed by the study of planting design and of the many ways in which the various forms, textures, and colour of foliage, flower, bark, and fruit may be employed.

#### DESIGN PROBLEMS

The student is now ready to learn the details of the many various types of landscape design with which he will be faced in his professional career. These fall into a relatively few general classifications: private properties, including the garden, the estate, the home; the land subdivision; public and semi-public areas, including parks, playgrounds, parkways, cemeteries; building groups, including educational, municipal, and institutional groups. Within these general types of design, the details of individual problems vary from year to year both as to the topography of the site and as to the special requirements of the "client," be he the private individual, the Board of Trustees of an institution, or the real estate promoter.

It is rarely possible to carry more than a few problems to detailed completion, and the instructor feels that he has done well if

he succeeds in placing before the students the various types of design they may meet in later years, showing them how these may be approached and where to look for the data upon which to base their solutions; in other words, not in giving the absolute answer to any one problem, but rather how to think and how to approach any problem.

#### DEVELOPMENT OF FORMAL TRAINING

Instruction in landscape architecture in the United States can be said to have begun as long ago as 1871 when a single course in "Landscape Gardening" (sic) was given at Iowa State University. Classes were given in the 1890's at, at least, two other schools. However, the first comprehensive and independent course leading to a degree was offered in the Lawrence Scientific School at Harvard University beginning in 1900. Less independently—that is, as an option in the School of Architecture—instruction was also given at Massachusetts Institute of Technology from 1900 to 1908. In the first decade of this century, professional curricula with a minimum of four years of instruction were established at Cornell University, University of Illinois, Massachusetts Agricultural College, and Oregon State College. Others followed in the second and third decades until at present instruction is given at twenty-two colleges and universities.

In the early 'twenties, the more completely professional instruction was recognized by the formation of an Association of Professional Schools of Landscape Architecture. The Association went out of existence in the late 'thirties, but a distinction between the more and less completely professional schools still obtains as a result of the existence of certain minimum educational standards established by the American Society of Landscape Architects which are at present met by only eight of the professional schools, but which the other schools always hope some day to satisfy. (At the present time, the curricula of at least three schools are being examined in detail with a view to the schools' being recognized by the American Society of Landscape Architects as satisfying these minimum educational requirements.)

It has been the function of the Society's Committee on Education for more than two decades to recommend: (1) definite action designed to strengthen existing and proposed curricula and to discourage ill-advised new schools; and also (2) methods by which the Society's general policy in matters of education can be made more effective. During this period the Committee has thrice (1927, 1938, and 1945) gone to the membership of the Society to acquire, in considerable detail, information which would be of use to the schools in establishing their curricula. The latest of these inquiries (1945), in the form of a questionnaire to all members of the Society who had been in active practice ten years or more, had a three-fold purpose: (1) to obtain a record of the changes and trends in kinds of work undertaken over the previous ten years; (2) to obtain the practitioners' opinions of weaknesses in training or background of recent graduates employed as their assistants during the ten-year period, and their recommendations of changes in emphasis in categories of studies which they believed would produce more useful assistants; and (3) to get thoroughly considered opinions as to future trends which practitioners believed should be recognised in landscape architectural instruction—trends as to types of work which they believed would be coming into their offices in the next ten years.

#### CHANGES IN CURRICULA

The record of the changes and trends in kinds of work is given in the following table with the percentages of work in different categories bracketed by two-year periods.

Categories of Work.	Percentage of Work in Each Category.				
	1935-36.	1937-38.	1939-40.	1941-42.	1943-44.
Private estates ..	24.6	29.0	30.1	17.3	18.4
Parks and recreation ..	28.3	23.4	17.3	16.0	19.5
Housing ..	14.9	13.3	18.2	28.3	19.7
Institutional ..	9.2	9.6	11.7	8.5	9.3
City and regional planning ..	6.2	5.7	6.3	7.5	8.7
Land subdivision ..	7.2	8.4	6.5	7.2	6.8
Other Government work* ..	6.7	5.6	6.3	11.6	9.4
Teaching ..	1.6	1.8	1.4	0.3	Very small
Cemeteries ..	1.3	1.8	1.3	2.0	3.9
Other work† ..	0.0	1.4	0.9	1.3	4.3
Total ..	100.0	100.0	100.0	100.0	100.0

\* Public Roads Administration, National Housing Administration, Federal Public Housing Authority, War and Navy Departments.

† Historical Restorations, World's Fair, Memorials, Airports, Army Posts, Navy Bases, Industrial, Race Tracks, etc.

Of interest historically of itself, this information had importance from the viewpoint of education when considered with the opinions of practitioners as to future trends which they believed should be recognized in landscape architectural instruction. It indicated in no uncertain terms that "private estate" work deserved less emphasis than had formerly been given to it; that park and recreation work and city and regional planning deserved greater emphasis; that until, if ever, "private estate" work picks up, with the intimate knowledge of plant materials and planting design that it requires, less emphasis need be placed on these subjects.

The record of the practitioners' opinions as to weaknesses in training or background of recent graduates indicated greatest weakness in a category of study called Engineering and Ground Forms, second greatest in a category called Verbal Expression, and next in a category called Architecture. As a result, the schools were advised of the practitioners' opinions by means of a revision of the minimum educational requirements which the American Society of Landscape Architects considers should be met before the Society will recognize a school as an approved institution of learning for the profession of landscape architecture.

#### REFLECTION OF CONTEMPORARY TRENDS

Changes in emphasis on the six over-all categories of study, both by percentage proportion and by number of hours ideally to be spent on each, may be of interest historically. They are given in the following table:—

Categories of Study.	1927.		1938.		1945.	
	Per cent.	Hours.	Per cent.	Hours.	Per cent.	Hours.
I. Landscape Architecture and Professional Practice ..	34.0	1,020	37.0	2,000	33.0	1,000
II. Engineering and Ground Forms ..	13.0	390	13.3	720	17.0	510
III. Architectural ..	12.0	360	12.6	680	15.0	450
IV. Plant Material and Composition ..	19.0	570	16.7	900	13.0	390
V. Graphic Expression ..	17.0	510	12.0	700	12.9	387
VI. Verbal Expression ..	5.0	150	7.5	400	9.1	273
Total ..	100.0	3,000	100.0	5,400	100.0	5,400

It is to be emphasized that the hours listed are hours of professional study.

\* Introduction to the Study of Landscape Design, p. 59.

† Introduction to the Study of Landscape Design, p. 152.



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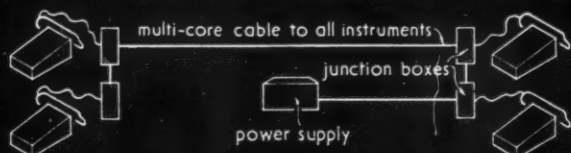
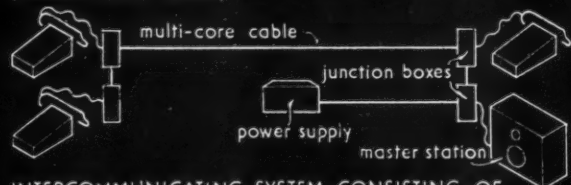
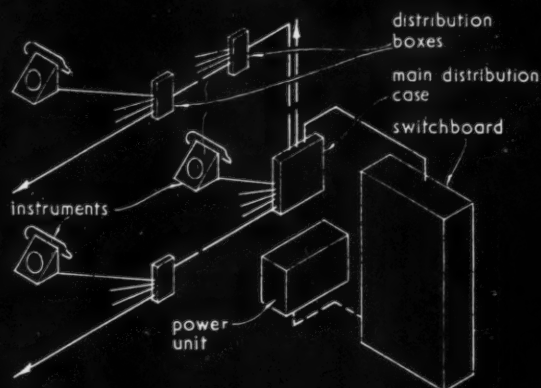


## SERVICES AND EQUIPMENT | TELECOMMUNICATIONS

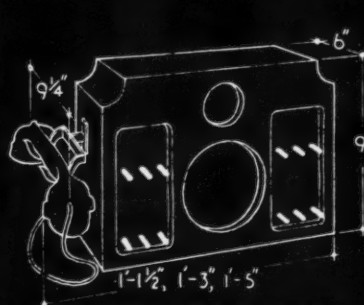
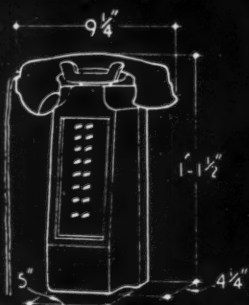
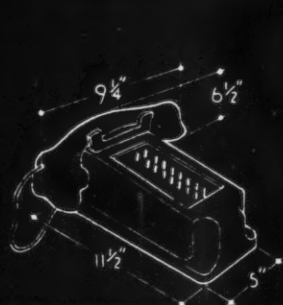
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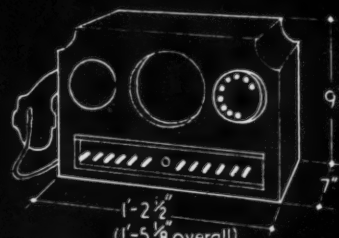
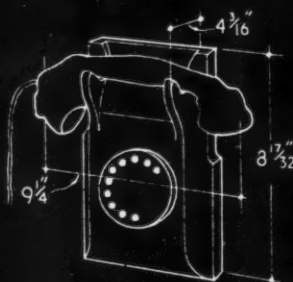
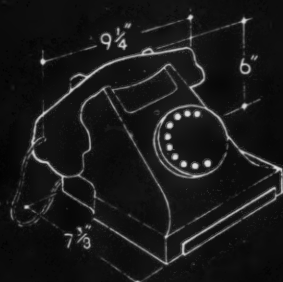
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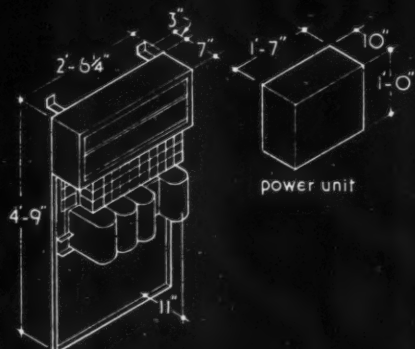
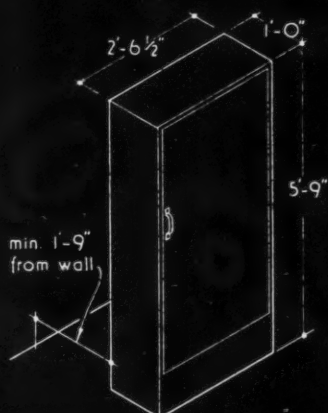
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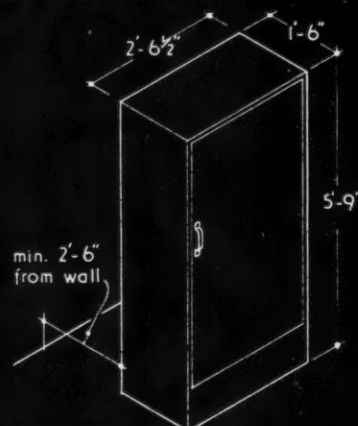
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AUTOMATIC SWITCHBOARDS AND POWER UNIT.

50 LINE.

50 LINE UNIT FOR 50/400  
LINE EXTENSIBLE.

## INTERCOMMUNICATING AND AUTOMATIC INTERNAL TELEPHONE SYSTEMS.

Compiled from information supplied by Telephone Rentals Ltd

### 37.H1 TELECOMMUNICATION SERVICES GENERALLY

This Sheet is the first of a group describing types of telecommunication system for a building or a group of buildings (not necessarily on the same site); the series deals with private telephone, staff location, sound distribution and impulse clock systems and the provision that must be made for them in new buildings.

#### Inter-relation of Telecommunication Services

Depending upon the type of building, one only, or some or all of the services may be called for.

Where two or more services are to be employed they may be inter-related both functionally and in a physical sense to the advantage of each. Thus a staff location system is functionally related to a telephone system, since by means of the former, selected individuals are called to the telephone, so that in certain types of organisation the private telephone system is not complete without a staff location system. Staff location systems can also be operated, without the intervention of third parties, actually from the dials, keys or press buttons of private telephone systems by providing a physical connection between the two systems. Staff location is most flexibly conducted through the microphone and loudspeakers of a sound distribution system working in conjunction with the private telephone system.

It is also possible for private automatic telephone users to speak direct from their instruments through the loudspeakers of a sound distribution system for staff location and other purposes. This again, of course, requires a physical connection. When an impulse clock system and a sound distribution system are both employed then time signals may be automatically sounded through the loudspeakers by providing a physical connection.

The advantage to be gained by connecting one telecommunication service or system with another should always be considered. It may justify the provision of a further service even where the latter had not been considered worth while in itself.

#### Structural Accommodation

Provision for the various telecommunication services should be made in the structure of the building itself, as the system(s) should be installed and maintained without defacing finished surfaces. In this connection the term maintain includes additions and alterations.

Two common features are :

(a) Floor space for the control equipment necessary for all telecommunication services. This in most cases should take the form of a space or ventilated room the dimensions of which may be determined from the data given on the face of this Sheet.

(b) Means whereby cables, wires and distribution equipment may be installed conveniently for flexibility and ease of maintenance. This must be planned at an early stage by allowing for vertical and horizontal runs, ducts, recesses, chases, conduits, etc., having regard to ultimate development.

*Vertical distribution :* Vertical runs should be continuous through all floors and not more than 100 ft. apart, with horizontal runs on each floor to provide lateral communication. The space necessary for all services in these runs need not exceed 6 in. wide by 2 in. deep. On each floor an accessible recess sufficient to accommodate distribution equipment should be provided adjacent to vertical and horizontal runs and open to each for the running and connection of cables.

*Floor distribution :* This may be effected under floors (preferably at the sides of corridors), in walls or behind detachable skirtings or in hollow ceilings. Ducts and chases in floors and walls must be provided with detachable covers and if conduit is used, all tees and bends must be of the inspection type with ample draw-in boxes.

*Room distribution :* Alternative methods of locating wiring are behind detachable skirtings, in deeply grooved picture rails or in special surface ducts about 9 in. above floor level along the walls and concealed across doorways either in the floor or walls, but in any case continuous with the main floor distribution. B.S. 774: 1938 and B.S. 815: 1938 describe types of ducts which permit of flexible distribution not only for entire floors of buildings but also within large rooms.

#### Architects' Drawings

The above arrangements, having been worked out in detail, should be represented in a special plan showing the location of the central equipment and the distribution system of ducts, recesses, chases, etc., throughout the building.

#### Maintenance

Telecommunication equipment is supplied and maintained in Great Britain and Ireland by the Telephone Rentals organisation.

Compiled from information supplied by :

Telephone Rentals, Ltd.

Address : Kent House, Rutland Gardens, London, S.W.7.

Telephone and  
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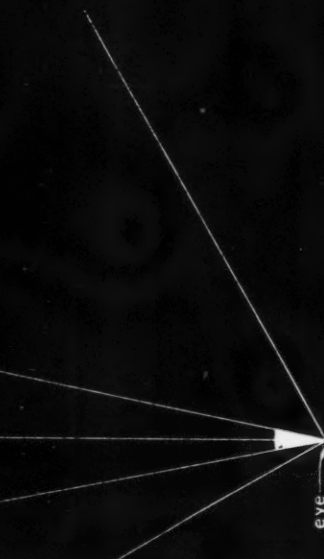
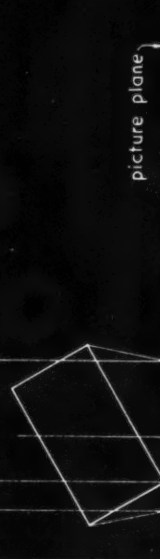
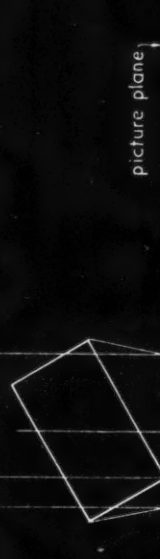
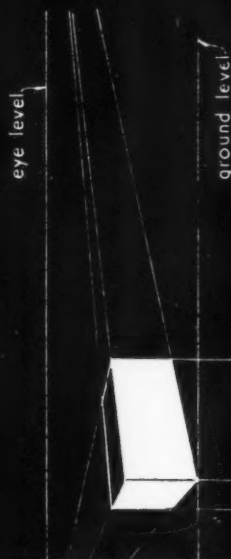
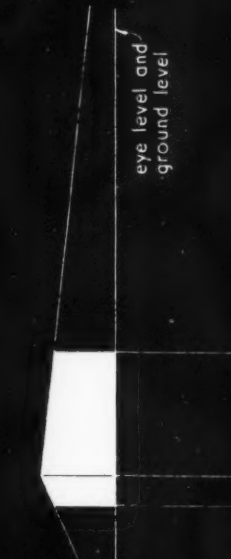
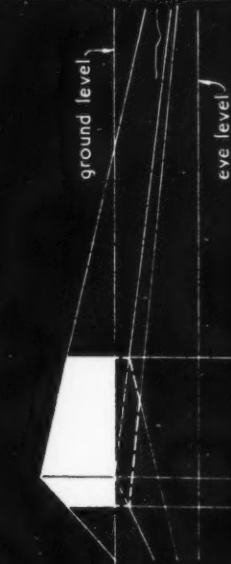
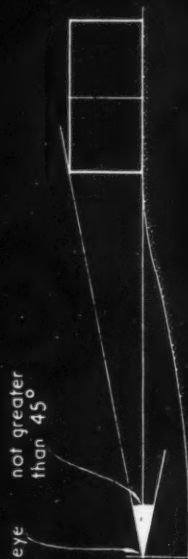


# DRAUGHTSMANSHIP | PERSPECTIVE

The Architects' Journal Library of Information Sheets 94. Editor: Cotterell Butler, A.R.I.B.A.

I.B29

I.B29



EYE LEVEL ABOVE BUILDING: BIRDS-EYE VIEW

EYE AND GROUND LEVELS COINCIDING

EYE LEVEL BELOW BUILDING: WORMS-EYE VIEW

SELECTION OF EYE LEVEL: VERTICAL PICTURE PLANE. Compiled by Leslie A. Lee, L.I.O.B. and H.N. Hoskings, A.R.I.B.A. for Eagle Pencil Company - Chemi-Sealed Turquoise pencils.

## 1.B29 SELECTION OF EYE LEVEL : VERTICAL PICTURE PLANE

This Sheet, one of the series on draughtsmanship, deals with the theory of perspective and describes the selection of eye level in relation to ground level and position of building. A vertical picture plane is used in all the examples. Inclined picture planes will be dealt with on a subsequent Sheet in this series.

### Eye Level Above Building : Bird's-Eye View

If a building is situated in a hollow or low lying piece of land and a view from above is required, or if it is necessary to show the layout of the site or the relationship of several buildings more clearly than may be possible in a normal view, then a bird's-eye perspective may be drawn as in the first diagram with the eye level well above the ground level. After setting up the eye level line parallel to the picture plane on plan, the ground line is drawn at a suitable distance below (*i.e.*, ensuring that the building comes within the 45° vertical angle of vision), and on this is set up the height line through which the lines of the perspective will pass.

### Normal Eye Level (not illustrated)

In normal cases it is usual to assume that the eye level is approximately 5 ft. 6 in. above the ground level, which will result in a normal perspective view similar to those in the diagram on Sheet 1.B28.

### Eye and Ground Levels Coinciding

If a building is located on slightly elevated ground the eye level of an observer at some distance from it may coincide with the ground level around the building. This condition is illustrated in the second diagram, which has a single line representing the eye level and ground level.

### Eye Level Below Building : Worm's-Eye View

A building may be located at the top, or on the slope of a steep hill and seen from below a more pronounced and exciting view may be obtained. This type of view is shown in the third diagram with the ground level drawn at a suitable height above the eye level.

### Applications

Bird's-eye and worm's-eye views may often be used to give natural and realistic views of buildings on certain hilly sites, but care should be taken to avoid distortion due to too great a height between eye and ground level, or the eye position on plan being taken too near to the building, giving a vertical angle of vision of more than 45°. In drawing architectural perspectives eye levels higher than 5 ft. 6 in. or even at or below ground are used to dramatise the subject. This should only be done where an unreal sense of the size of the building is permissible.

This series of Sheets covers geometrical drawing, orthographic, isometric and axonometric projections, perspective, rendering, lettering and draughtsmanship generally.

Compiled from information supplied by :

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Telegrams : Octennial, London.





*The east terrace.*

# WELFARE CENTRE

AT GREAT LAKES, ILLINOIS

DESIGNED BY SKIDMORE, OWINGS & MERRILL



*The lounge. The steel columns, supporting the laminated beams, contain the electrical connections for the fans, water cooler and lights.*

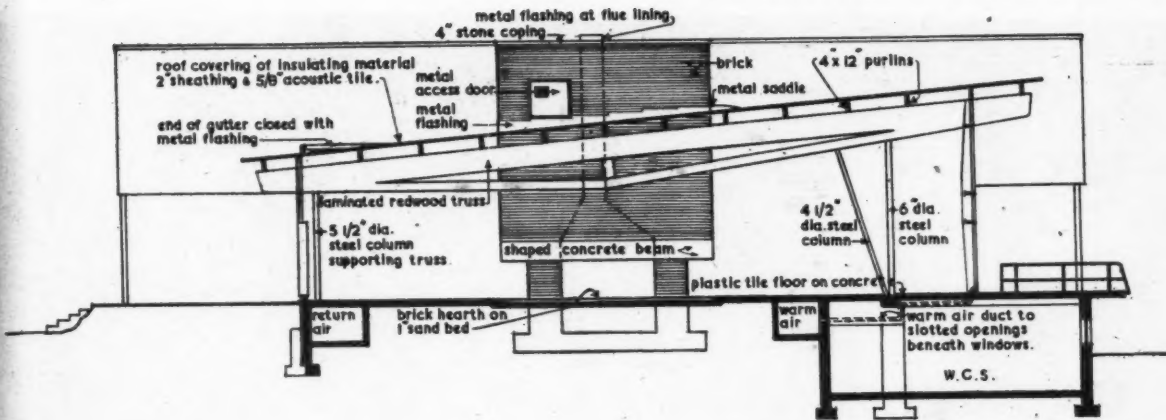
**GENERAL.**—This building, at one of America's principal Naval Training Centres, is an example of the use of timber as a substitute for steel and concrete when the latter materials were in short supply during the war. The Welfare Building adjoins and supplements a previously erected Recreation Building (see AJ July 8) at the main gate of the Naval Training Station. Both were designed by the same architect as parts of one scheme.

**PLAN.**—The main problem was to provide, on a long and narrow site, a building where senior naval men might meet visitors, with facilities consisting of a reading and writing room, a reception room, a lounge and terrace, offices

for the Public Relations Department, an apartment for the hostess and a number of services. Many of these elements were grouped in a large hall whose unusual structural features provide its main decoration. This hall is one storey in height, and sufficiently large and flexible in its planning to handle as many as 3,000 visitors per day. Walls are all glass on the east and are provided with a high strip window on the west. This west window is in the entrance wall, while the other side of the room opens on to an attractive wooded ravine. A large fireplace provides a degree of separation between the reception space and the lounge. The small second floor unit contains the Public Relations office and an apartment for the hostess.

CONSTRUCTION  
wood frame  
at both  
columns  
The wall  
non-structural  
only to

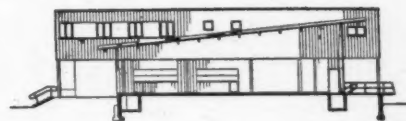




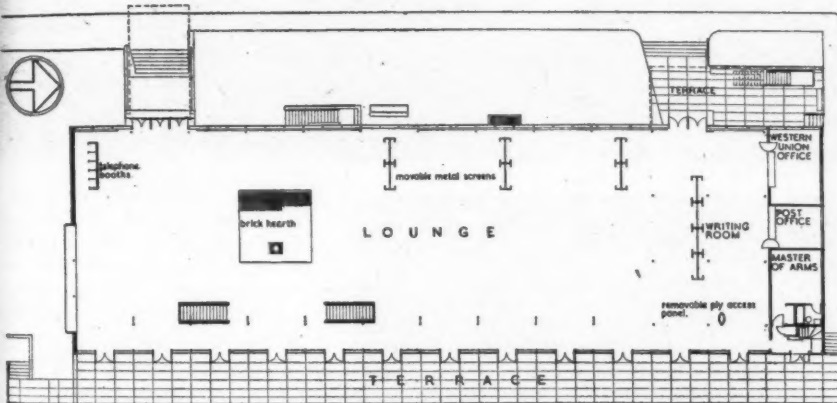
SECTION WITH DETAILS [Scale  $\frac{1}{4}'' = 1'0''$ ]

**CONSTRUCTION.**—The roof construction is a series of laminated wood frames which are supported at both ends on inside steel columns, as shown in the section. The walls in such a system are non-structural and are designed only to resist wind load.

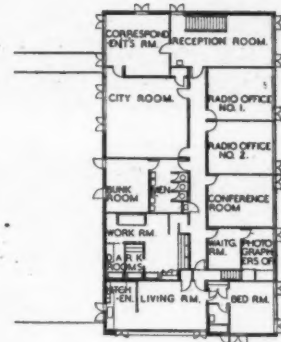
**INTERNAL FINISHES.**—To give warmth to the large interior wood was used extensively. Wall surfaces are of vertical fir boarding treated with a light oil stain and flat varnish. Exposed wood in the ceiling was similarly treated, and the laminated wood frames were



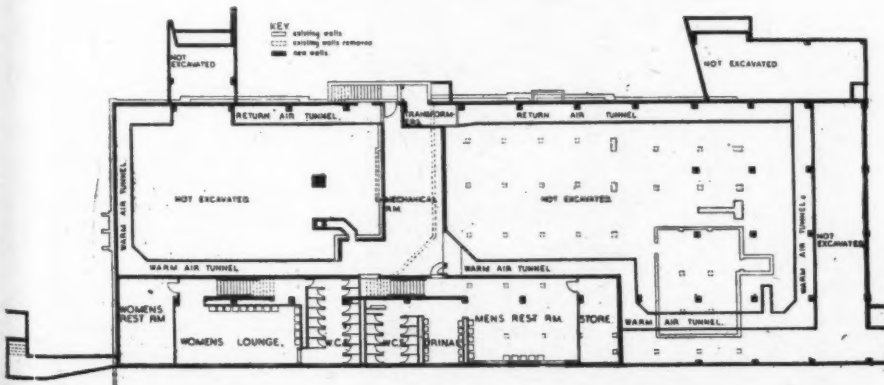
TYPICAL SECTION



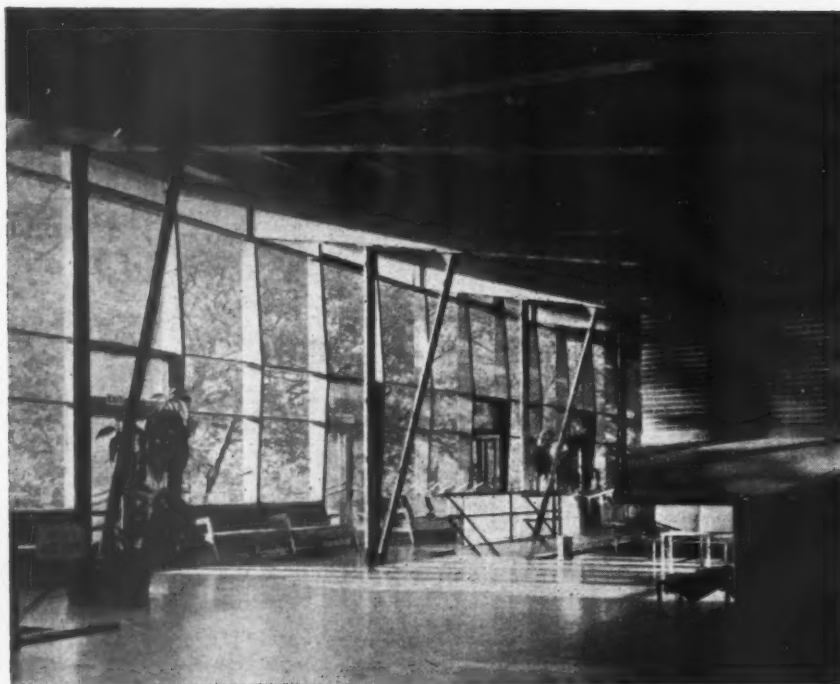
GROUND FLOOR



FIRST FLOOR



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



*Top, the Welfare Centre from the south-east. In the low wall supporting the terrace are the windows of the cloakrooms and the rest rooms. Left, the lounge. On the right foreground is the cantilevered chimney breast which partially separates the reception area from the lounge.*

factory  
sashes  
white  
colour  
floor.  
grilles,  
are pai  
used  
inside  
is in c  
as a w  
strong



factory finished to match. All sashes and doors were painted white to accentuate the warm colour of the fir walls and the red floor. Exposed columns, piping, grilles, and conduit downspouts are painted grey, this colour being used whether these elements are inside or outside. The furniture is in character with the interior as a whole and provides the only strong colour accents; all the

pieces were designed or selected by the architects.

**SERVICES.**—The heating of the lounge is by convection. Warm air is introduced at the bottom of the all-glass east wall through continuous grilles between the door openings. The grilles are connected to an underfloor duct of concrete served by the warm air blower system.

*The south-east corner of the lounge. In the foreground is one of the simple steel and canvas stair railings.*





*From the west.*

# COMMUNITY CENTRE

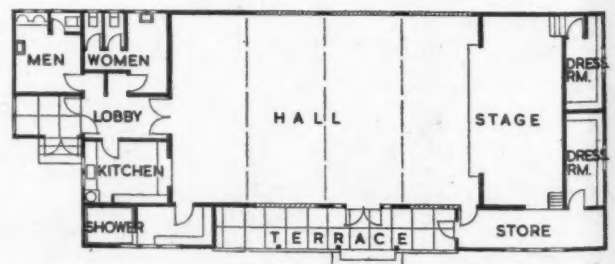
AT CHRISTCHURCH, NEW ZEALAND

DESIGNED BY PASCOE & HALL

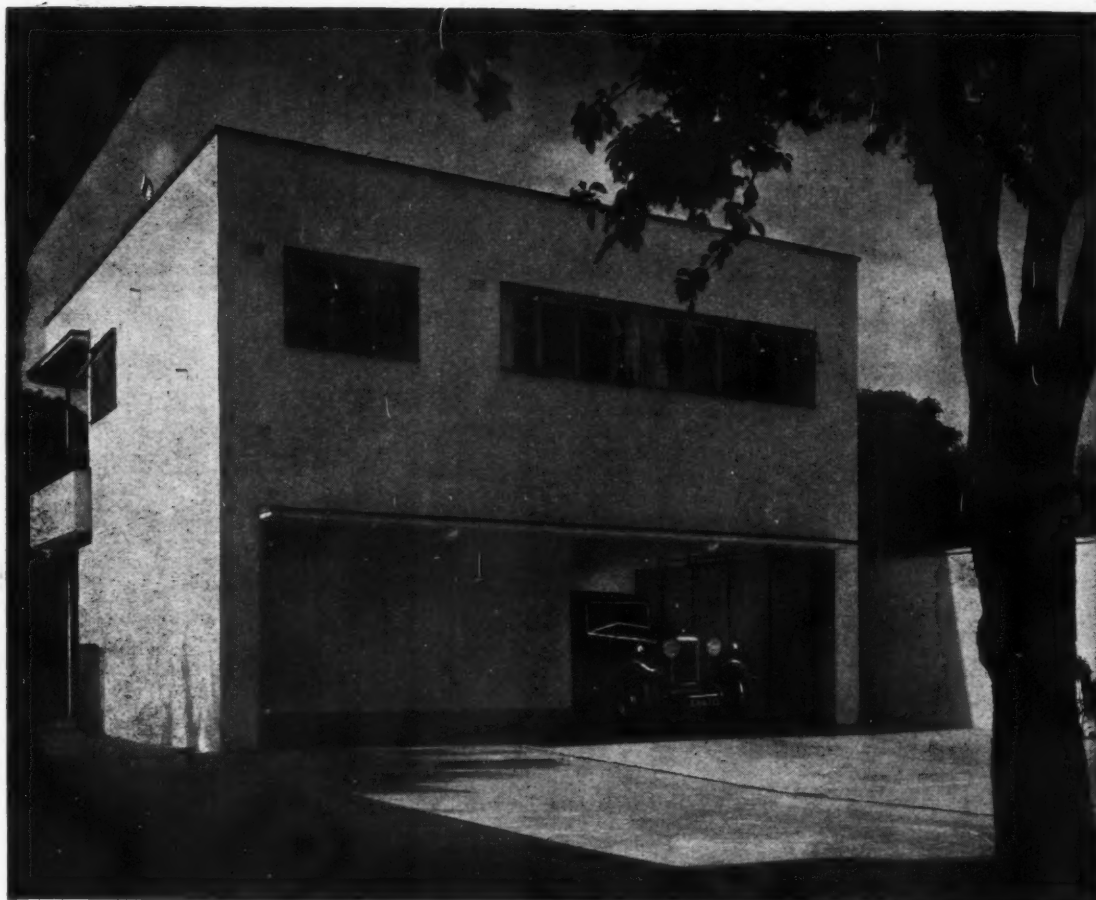
This community centre was built largely by its own members, some of whom were skilled technicians, entirely in their spare time. The building is to serve for at least 20 years and provides facilities for drama, physical training, and general meetings. The accommodation includes changing rooms, showers, lavatories and a kitchen. It was decided, in view of the shortage of houses, to use the minimum of materials and outside labour.

The building is of pinus timber, and the roof is supported by four oregon beams. The external weather-boarding is painted chocolate brown and the verandah, doors, windows and fascias are white. The front door is painted pale green. The interior of the hall has pearl grey walls with a

6-ft. dado of match-boarding finished in honey-coloured varnish. The ceiling is sky blue. The cloak-rooms, showers and kitchens are enamelled pale ivory. The heating is by oil burners. The total cost was £1,100.



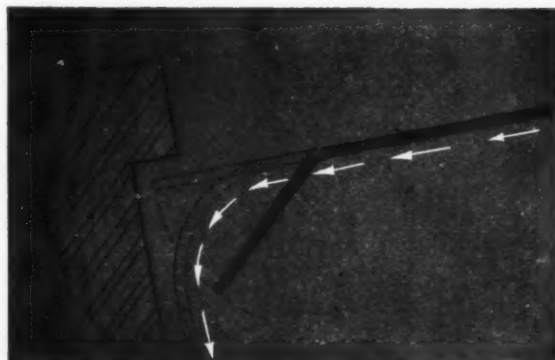
PLAN (Scale  $\frac{1}{8}'' = 1'0''$ )



"Miramont," Kingston, Surrey.

Architect: E. Maxwell Fry, F.R.I.B.A.

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QUESTIONS AND ANSWERS • CURRENT TECHNIQUE  
THE INDUSTRY • PRICES • TECHNICAL ARTICLES

## TECHNICAL SECTION

A digest of current information prepared by independent specialists; printed on one side of the paper only, to allow readers to cut out the items for filing and paste them up in classified order. Headings below.

## INFORMATION CENTRE

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

This is the second of three issues to be devoted to the inclusion, in brief, of Information Centre items previously omitted owing to shortage of space.

### 11.9 materials: general

#### SALT GLAZED STONEWARE

*The Development of Surface Cracking in Salt Glazed Stoneware.* L. Searson and S. C. Jones. (British Clayworker, Apr., 1947.)

Detailed description of experiments undertaken to discover cause of surface cracking in salt glazed stoneware. Chiefly of interest to manufacturers.

### 12.21 materials: metal

#### ALUMINIUM ALLOYS

*The Use of Aluminium Alloys.* E. G. West, (JRIBA, June, 1947. pp. 419-424.)

Paper read at RIBA Architectural Science Board meeting; deals with characteristics of aluminium and aluminium alloys of special interest to architects, with existing applications of aluminium in building, with new and experimental uses, and with design considerations peculiar to aluminium. Discussion and bibliographical references included. A useful summary for architects.

### 13.26 materials: timber

#### STRESS GRADING

*Stress Grading of Timber and its Influence on Structural Design.* E. H. Nevard. (The Structural Engineer, Jan., 1947, pp. 11-41.)

Structure of timber, strength, moisture content, specific gravity, knots. Survey of existing grades. Different methods of jointing. Use of stress-graded material. Destructive agents. Preservation.

### 13.27 materials: timber

#### TIMBER REFERENCE CATALOGUE

*Library Catalogue.* Timber Development Association (2nd Edition, Apr., 1947.)

Classified list of books for reference at TDA Headquarters Library.

### 13.28 materials: timber

#### TIMBER EXHIBITION

*Timber Technique Today.* FPRL Exhibition of Timber Research and Building. (JRIBA, Apr., 1947, pp. 316-319.)

Illustrated article, describing exhibition (RIBA, April 29-May 10) of the work of the FPRL. Brief reference made to the various aspects of this work as set out in the exhibition. Serves as useful guide to the field covered and as a basis for further study of the subject. Record of an important exhibition.

### 13.29 materials: timber

#### RED CEDAR SHINGLES

*Canadian Red Cedar Shingles.* I. J. O'Hea (The Architect and Building News, May 9, 1947.)

Extract from a talk on Canadian Red Cedar Shingles. Information given about properties of this particular wood; resistance to decay; lightness; insulation; fire hazard, etc.

### 13.30 materials: timber

#### TIMBER PRESERVATION

*Timber Preservation.* N.A.W. (Wood, July, 1947. pp. 204-206.)

Résumé of present knowledge and experience in technique of timber preservation. Outlines briefly the types of preservative available and the various methods of application. Gives evidence of effectiveness of treatment and of long-term saving in costs that may result. Emphasises fact that delays in production are minimised with modern pressure plants.

### 14.15 materials: concrete

#### AGGREGATE FROM DEBRIS

*Building Debris in Structures.* (The Builder, Oct. 11, 1946, p. 383.)

Pamphlet issued by the German Building Authorities of Hamburg. Clearance and re-utilization of building debris. Experiments with debris concrete.

### 14.16 materials: concrete

#### CONCRETE

*Concrete. Construction: Surface Treatments and Finishes.* (Architectural Design, pp. 328-330, Dec., 1947), and *The Making of Concrete* (Architectural Design, pp. 18-19, Jan., 1948.)

Two articles dealing with various methods of finishing and facing concrete buildings, and with actual making of concrete; important subjects concisely treated. Illustrated with photographs and diagrams. Other aspects of concrete design to be dealt with in future articles. Useful for architects.

### 14.17 materials: concrete

#### READY MIXED CONCRETE

*Ready Mixed Concrete.* H. G. Linsey. (The Master Builder, Dec., 1947, p. 214; Jan., 1948, pp. 11 and 12.)

Advantages and disadvantages of ready mixed concrete: details of plant and labour, transportation, finance. Of particular interest to contractors and site organisers.

### 15.29 materials: applied finishes and treatments

#### NITROCELLULOSE FINISHES

*Developments in Nitro Cellulose Finishes.* (The Decorator, Mar., 1947. pp. 49-50.)

Short review of technical developments in the past few years.

### 15.30 materials: applied finishes and treatments

#### PAINTING ASBESTOS CEMENT

*Treatment of Asbestos Sheetting.* (The Decorator, Aug., 1947. p. 32, 34.)

Short but useful article in answer to an enquiry about painting asbestos cement.

### 15.31 materials: applied finishes and treatments

#### FIBRE BUILDING BOARDS

*Fibre Building Boards.* (The Building Boards Joint Committee, 1947, 5s., and The Industry, Dec. 18, 1947.)

Handbook about fibre building boards giving technical information on properties, uses, methods of application, types of finish, etc. Comprehensive and clearly illustrated with diagrams.

### 15.32 materials: applied finishes and treatments

#### PAINT COLOURS

*Colours for Ready Mixed Paints.* BS 381 C: 1948. (British Standards Institution, 4s.)

Revised standard excludes 4 given in earlier standard and introduces 32 new colours. Total now 93. New numbering system groups similar colours into series. Colorimetric values will be issued separately.

### 16.28 materials: miscellaneous

#### TARS, PITCHES, BITUMENS, ASPHALTS

*Some Notes on Tars, Pitches, Bitumens and Asphalts.* J. Eastwick-Field. (The Architect and Building News, Apr. 11, 1947, pp. 29-31.)

Summarises general information on the nature, uses, and methods of applying bituminous materials, including tar, pitch, bitumen and asphalt.

### 16.29 materials: miscellaneous

#### PLASTICS

*Plastics. The New Building Materials.* E. W. Chandler. (JRIBA, Sept., 1947. pp. 560-561.)

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Photograph by courtesy of Cinematograph Exhibitors Association

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## Announcements

Reports recently published have created an impression that the new fuel prices announced by the National Coal Board would result in an overall reduction in the price of coal supplied to brickworks, and lead to a general reduction in brick production costs. It should be explained that the brick industry uses varying grades of fuel, and although the low qualities for use for burning some common bricks have been reduced in price, the majority of grades used by the brick and tile industry will actually cost more under the new scale, and in most cases, therefore, will raise rather than lower the cost of production.

Mr. C. R. W. Peake, A.R.I.B.A., DIP.Arch., A.M.T.P.L., formerly of the staff of the Ministry of Town and Country Planning, Region 1, Newcastle, has now taken up his appointment as Area Planning Officer, West Riding of Yorkshire County Council. His address is Old Chronicle Buildings, Peel Square, Barnsley.

Mr. R. A. Horsman, A.R.I.B.A., A.M.T.P.L., formerly Chief Architect in the Borough of Finchley Housing and Town Planning Department, has now taken up his appointment as Chief Assistant Architect, County Architect's Department, Bucks County Council, Aylesbury, Bucks.

Mr. Arthur Dyson, M.INST.C.E., has retired from the position of Joint Managing Director of Horseley Bridge & Thomas Piggott Ltd., Tipton, which position he has held since 1928. He will continue to act in a consultative capacity and retain his seat on the Board. Mr. J. W. Baillie, F.C.I.S., will continue as sole Managing Director of the company.

The Constructors' Group of Companies announce with regret the death of Mr. F. H. Johnson, Secretary and Director, who was associated with the Group since its founda-

tion. Mr. Johnson's secretarial duties have been entrusted to Mr. J. A. Pinches, who was his assistant for a number of years.

The new telephone number of Messrs. Alfred Imhof Ltd., of 112-116, New Oxford Street, London, W.C.1, is Museum 7878 (20 lines).

Messrs. Sealocrete Products Ltd. now have a permanent exhibition of their Sealocrete and Sealantone products at the Building Centre, 9, Conduit Street, W.1. The firm also have a permanent exhibition at their head office, Atlantic Works, Macbeth Street, Hammersmith, W.6.

We have been asked to publish the following notice by Messrs. Pritchard, Englefield & Co., Solicitors, of London: The Incorporated Institute of British Decorators registered in January, 1899, and whose registered offices are situate at Drayton House, Gordon Street, in London, with the object of promoting, encouraging, assisting and carrying out whatever may tend to elevate the art or craft of decoration in all its branches, has no connection with the Institute of Interior Decoration, of 103, Bristol Road, Birmingham, recently formed, whose property, effects and liabilities are understood to be vested in the Art Delegacy Ltd., registered in February, 1948.

A new gypsum hardwall plaster mill with an initial productive capacity of more than 40,000 tons per annum has been completed on a seven-acre site at Crown Wharf, Port Talbot, Glamorganshire, and will be producing a full range of plasters for building and industrial purposes early in September. Unirok Limited, the owners, will sell their products under the brand of Unirok. The works alongside Port Talbot Docks, are designed to allow for expansion of production up to 100,000 tons of plaster per annum. Provision has also been made for plasterboard manufacture, and the machinery and buildings are to be proceeded with in the near future. This new machinery, de-

signed and produced entirely in the United Kingdom, said to be the most modern of its kind, will eventually have a productive capacity in excess of 6,000,000 square yards of plasterboard per annum.

Foundation stones of the first post-war school and the first community centre to be built in Montgomeryshire, have been laid at the hamlet of Abertiridwr, a mile below the great dam at Lake Vyrnwy, the Liverpool Corporation reservoir. Adjacent to the school and centre, the Corporation is to erect twenty houses for workmen in addition to those already at Abertiridwr. The cost of the whole scheme—school, community centre and houses—is estimated at £80,000. The community centre, in one block with the school, will incorporate an assembly hall, with stage and green room, lecture, reading and club rooms, a workshop for handicrafts and a library. The architect for the school and centre is Mr. H. Carr, Montgomeryshire architect.

## Buildings Illustrated

Two shops with flats at Moor Park, North Shields (pages 177-178). Architect, J. G. Ryder, A.R.I.B.A. Dip. T.P., Senior architect to D. M. O'Herlihy, B.Sc., M.I.C.E., Borough Surveyor, County Borough of Tynemouth. General Contractor, M. J. Liddell. Sub-contractors, Dampcourses, Ruberoid Astos; Bricks, Bramley-Wooley; Artificial stone, Siggins Cast Stone; Copper roofing, T. H. Broderick; Roofing felt, Vulcanite; Electric wiring, Neale & Partners; Electric light fixtures, G.E.C.; Casements, Dryers Ltd.; Sunblinds, Hardy & Stewart; Signs, The Lettering Centre.



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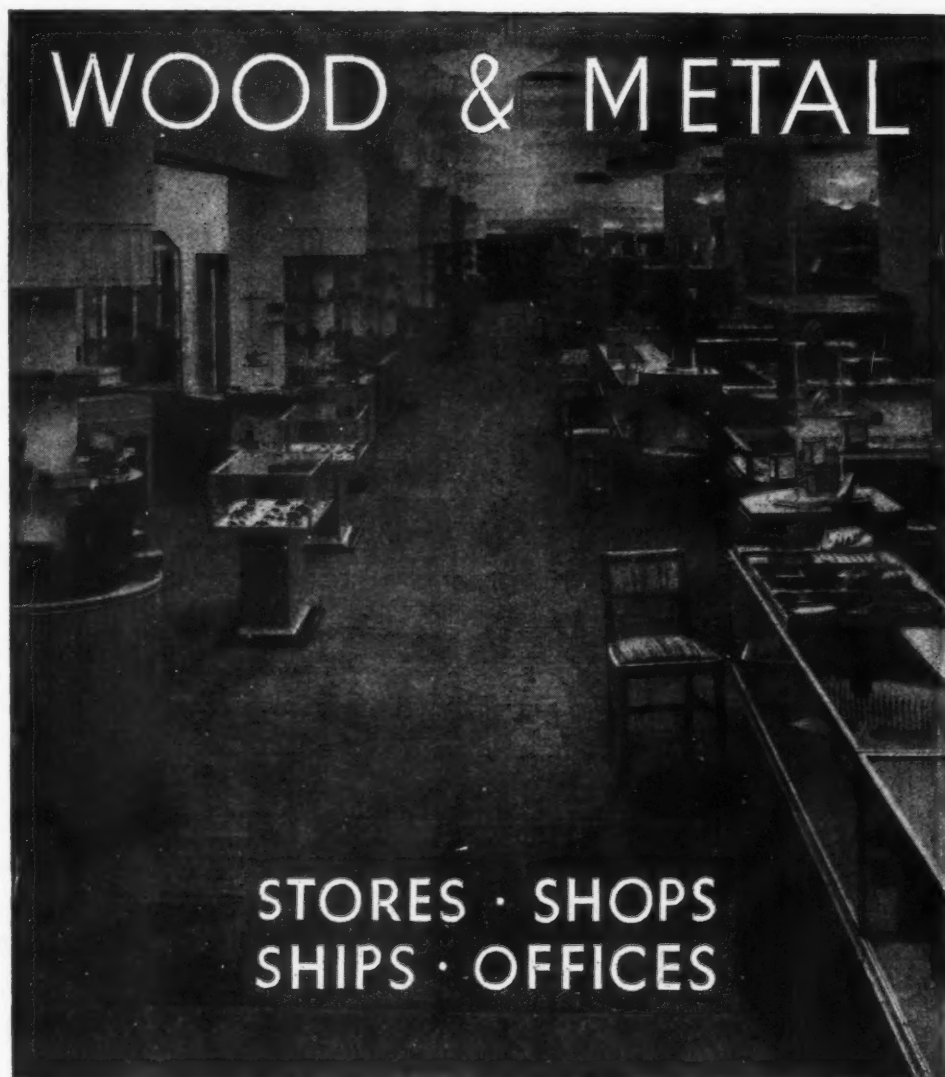
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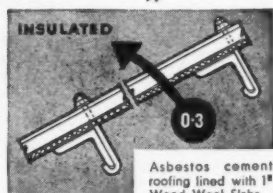
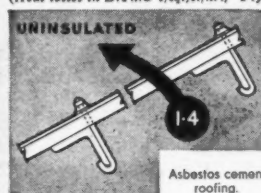
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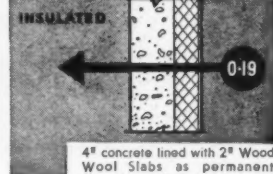
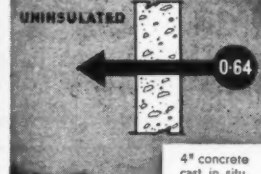
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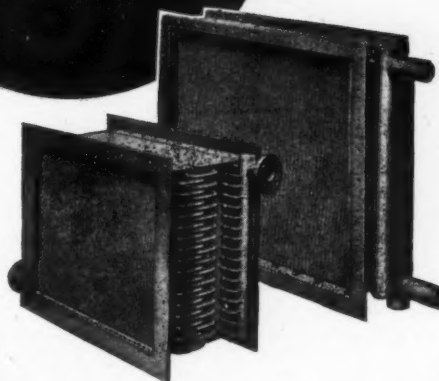
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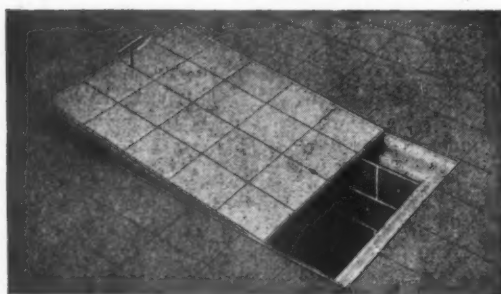
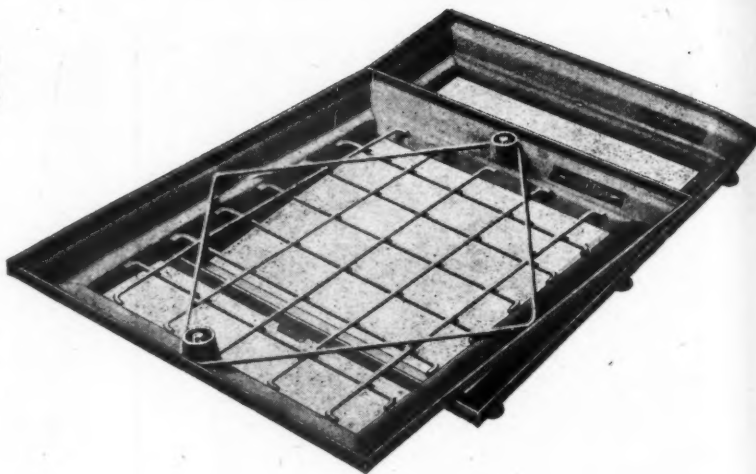
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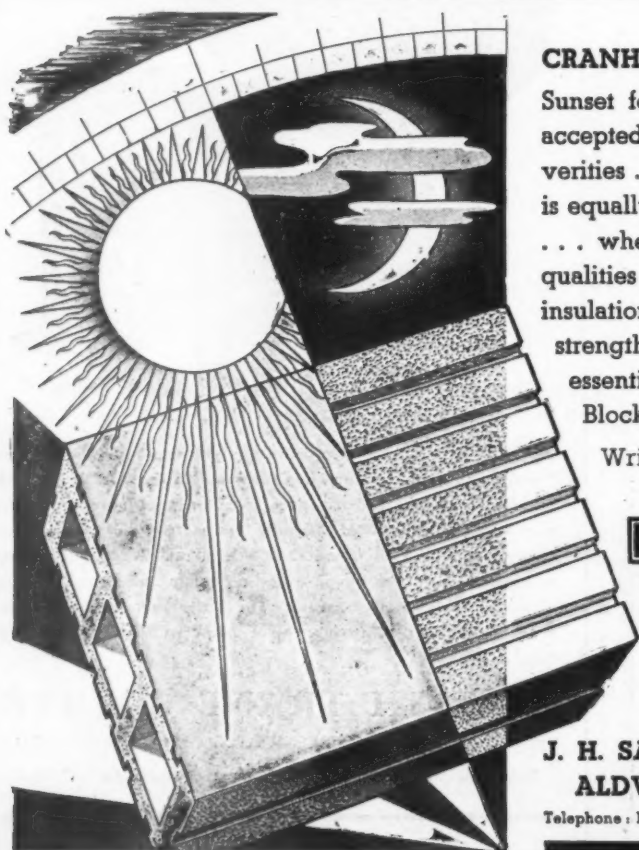
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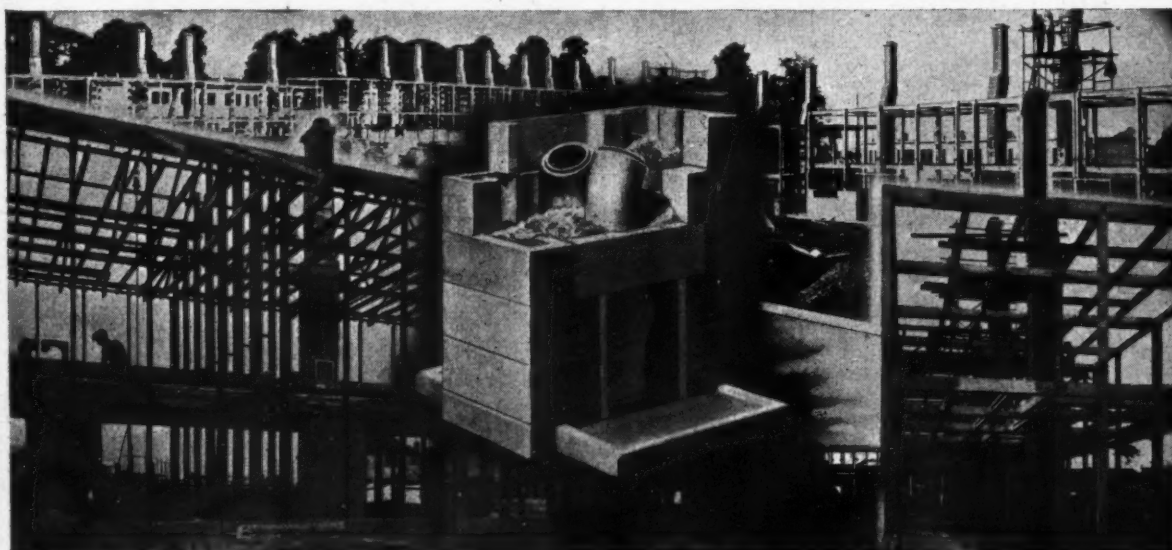
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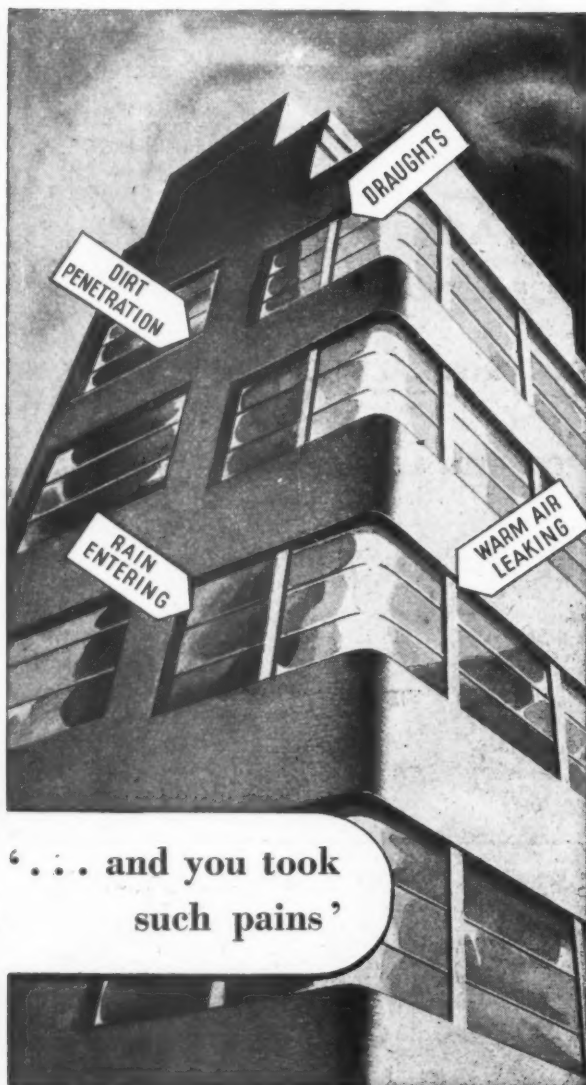
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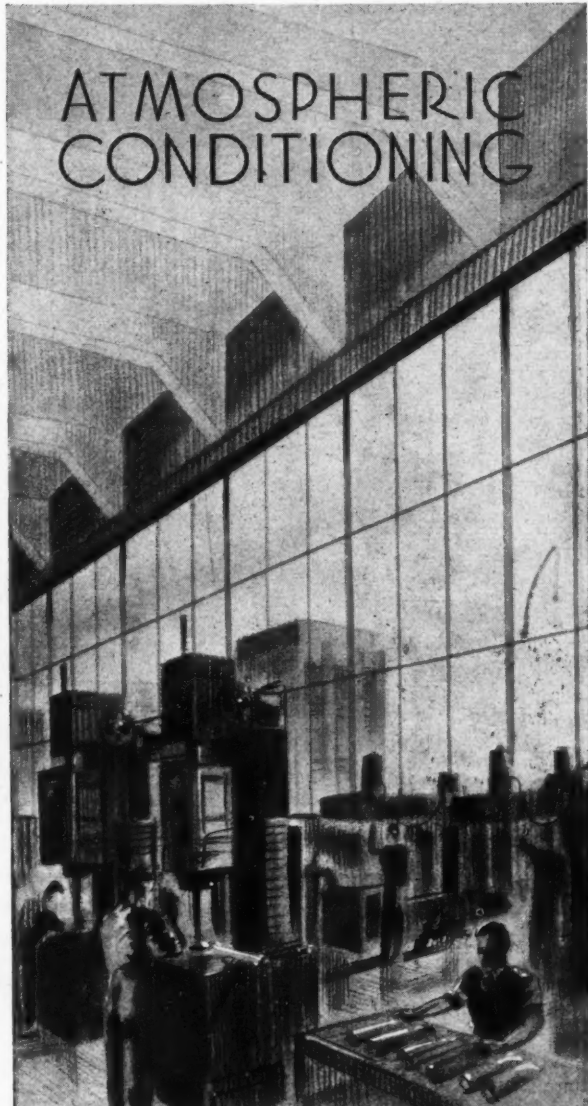
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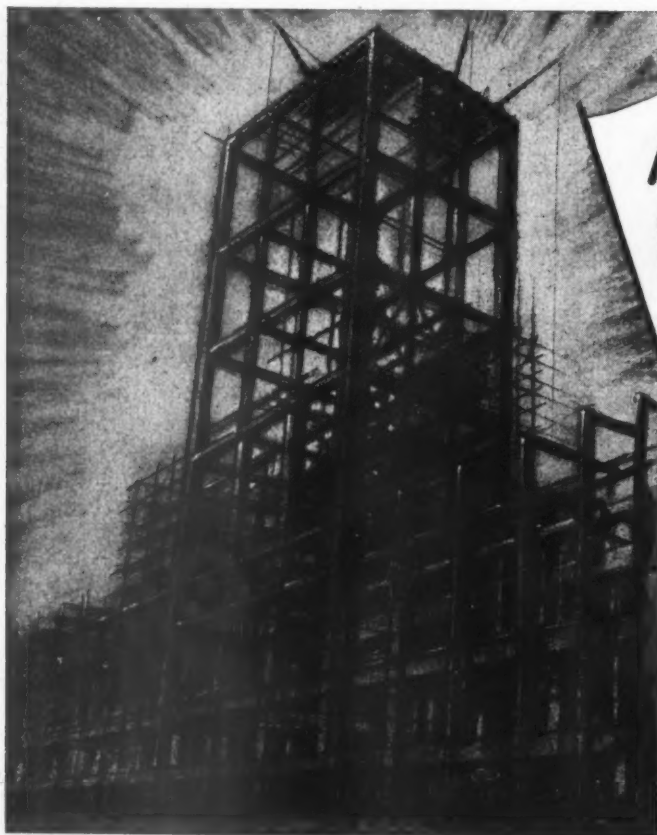
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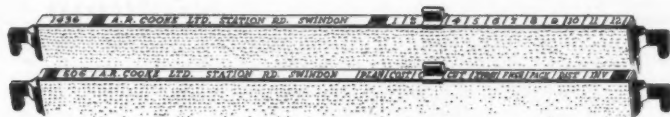
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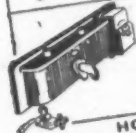
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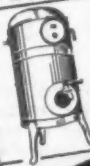
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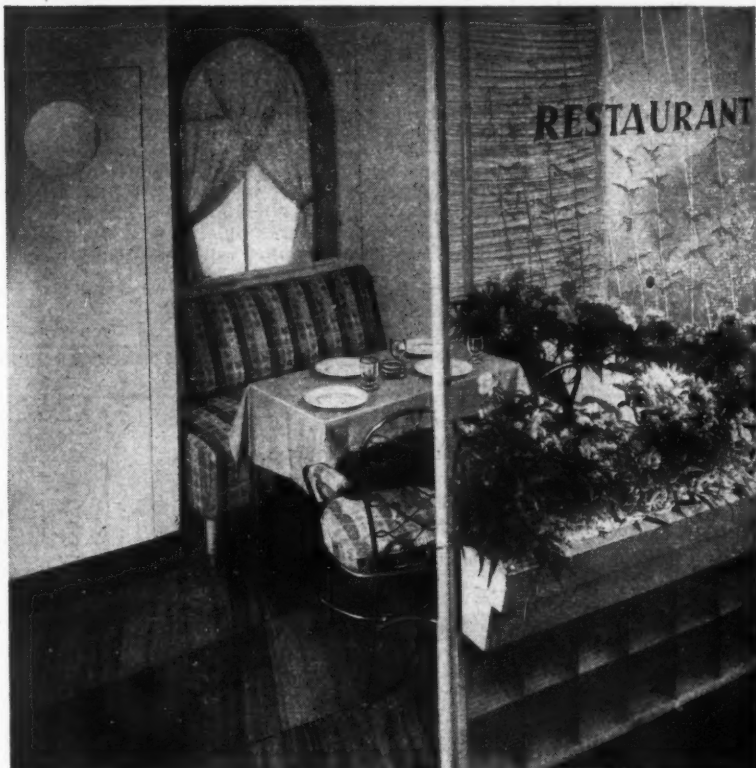
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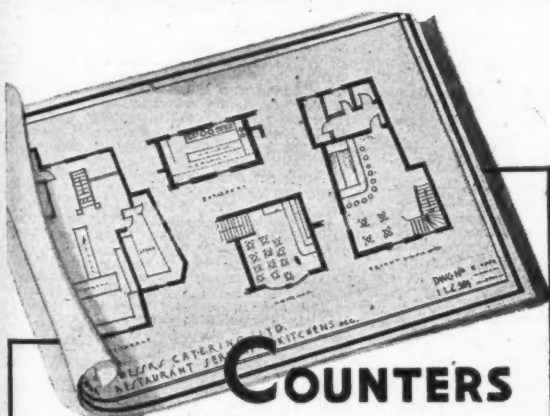


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RICHARD CLEGG, Town Clerk. 1477

**MANCHESTER REGIONAL HOSPITAL BOARD. APPOINTMENT OF ARCHITECT.**

Applications are invited from suitably qualified persons for the appointment of Architect to the above-mentioned Board. Salary £1,350 × £50-£1,550. The post is superannuable under the National Health Service (Superannuation) Regulations, 1947, and is terminable by three months' notice on either side.

Conditions of appointment may be obtained from the undersigned, to whom applications, stating age, qualifications and experience, together with the names of three referees, should be sent so as to be received not later than the 31st August, 1948.

J. GIBBON, Secretary of the Board. Sunlight House, Quay Street, Manchester. 3. 1457

**BOROUGH OF EDMONTON. ARCHITECTURAL STAFF.**

The Council require:—

(1) ARCHITECTURAL ASSISTANT (PERMANENT).

Grade A.P.T., VI, £525 × £20 (2) and £25 (1) to £590 per annum. Candidates should preferably be Associates of the R.I.B.A. or equivalent.

(2) ARCHITECTURAL ASSISTANT (TEMPORARY).

Grade A.P.T., V, £550 × £15 (2) and £20 (1) to £600 per annum. Candidates must have passed the intermediate examination of the R.I.B.A. or equivalent.

In both cases, experience in housing and general building work is essential. The Council cannot undertake to provide housing accommodation for the successful candidates.

Full particulars, forms of application and conditions of service from the undersigned, to whom completed applications must be returned not later than first post, 24th August, 1948.

H. BACKHOUSE, Town Clerk. 1471

## MUNICIPALITY OF UMTALI.

**VACANCY: TOWN PLANNING OFFICER.** Applications should be submitted in duplicate and one copy despatched so as to reach me not later than noon of 18th day of September, 1948; the remaining copy should be posted at the same time to P. M. Aldred, Esq., c/o Rhodesia House, The Strand, London W.C.2.

The salary grade for the position is £759 × £33-£924 per annum, but the commencing salary may be higher than the minimum of the grade (in any case not exceeding two steps in such scale) in accordance with the qualifications and/or experience of the successful applicant. In addition, a cost-of-living allowance at rates laid down by the Council from time to time will be paid. At present this amounts to £134 per annum on the minimum and £150 per annum on the maximum of the grade; plus, in the case of married persons, a children's allowance at the rate of £30 per annum for the first child and £24 per annum for each subsequent child.

Applicants must have passed the Final Examination of the Town Planning Institute, and preference will be given to applicants holding one or more of the following additional qualifications:—

Associate of the Royal Institute of British Architects. Testamur Examination of the Institution of Municipal Engineers.

Final Examination of the Royal Institute of Chartered Surveyors, or University Degree in one of the above subjects.

Applicants must have had at least three years' experience of Town Planning work, preferably in Urban Areas, and should be conversant with local authority procedure and practice. They should have had experience in preparatory survey and investigation work for Statutory Planning Schemes, preparation of such schemes, and Interim Development Control and administration.

Applicants should submit full details of age, specific nationality, health, marital status, previous experience, qualifications, military service, present appointment, and should submit certified copies of testimonials from past employers.

The successful applicant will be required to serve probationary period of six months, thereafter he will be eligible for appointment to the fixed establishment, and if so appointed he will be required to contribute to the Council's Superannuation Fund.

Applicants are advised that their present Superannuation Contributions are not transferable to the Council's Superannuation Fund.

If the successful applicant is married a Municipal house will be available on a rental basis.

The Council will contribute the following amounts towards the cost of sea passages ex-United Kingdom:—

Man and wife, £50 each.  
Children under 16 years: 1st child, £20; remaining children, £10 each.

Should the successful applicant resign within a period of three years from date of appointment certain proportions of the above amounts will be refundable to the Council.

Salary will be admissible from the actual date of embarkation, although the date of appointment will be held for all other purposes to be the date upon which duties are actively assumed.

A satisfactory medical certificate on the Council's prescribed form must be produced before the commencement of duty.

In regard to any points not mentioned in this advertisement the successful applicant will be bound by the Council's Service Regulations and any amendments which may be made thereto from time to time.

Canvassing, directly or indirectly, will be a disqualification.

G. P. CLARK, Town Clerk. 1438

**Town House, Umtali, Southern Rhodesia.**

**LONDON COUNTY COUNCIL. PLANNING STAFF.**

Vacancies in the following grades (some permanent):—

ASSISTANT SENIOR PLANNING OFFICER. £1,000 to £1,200 a year.

PLANNING OFFICER (Grade I), £940 to £960 a year.

PLANNING OFFICER (Grade II), £700 to £840 a year.

PLANNING OFFICER (Grade III), £550 to £700 a year.

Candidates should possess architectural, surveying or town planning qualifications.

Full particulars and form of application obtainable from the Architect to the Council (P), The County Hall, Westminster Bridge, S.E.1 (enclose stamped addressed foolscap envelope). (1554) 1301

**RURAL DISTRICT COUNCIL OF HATFIELD. APPOINTMENT OF JUNIOR ARCHITECTURAL ASSISTANT.**

Applications are invited for the above appointment on the Staff of the Council's Architect. Salary, Grade 1 of the Miscellaneous Division (£315-£360).

Candidates must have attained a reasonable standard in draughtsmanship and should be undergoing a course of study for a recognized architectural qualification.

Applications, accompanied by copies of two recent testimonials, to be made to Mr. J. H. Parker, A.R.I.B.A., Architect to the Council, 82, Great North Road, Hatfield, Herts, not later than 9th September, 1948.

EDGAR F. CULL, Clerk to the Council. 1513

## CITY OF PLYMOUTH.

**CITY ARCHITECT'S DEPARTMENT.** Applications are invited for the following appointment on the Established Staff, which is subject to the Local Government Superannuation Act, 1937, a satisfactory medical examination, and a month's notice on either side for termination.

**ASSISTANT ARCHITECT. A.P.T., Grade V.** Consolidated salary £520-£570.

Applicants should be Registered Architects, Members of the R.I.B.A., and preferably have some Municipal experience.

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

Applications, on forms obtainable from the undersigned, accompanied by copies of not more than three recent testimonials, and/or names of persons to whom reference may be made, must be returned not later than Saturday, the 28th August, 1948.

**HOUSING ACCOMMODATION WILL BE MADE AVAILABLE TO SUCCESSFUL MARRIED APPLICANTS WHO REQUIRE IT.**

E. G. CATCHPOLE, A.R.I.B.A. City Architect's Dept., Seymour Road, Plymouth. 1493

**NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.**

Applications are invited for the permanent appointment of SENIOR QUANTITY SURVEYOR, on the Headquarters Staff of the Board. Candidates must be members of the Royal Institute of Chartered Surveyors, and should have had wide experience of the preparation of Estimates, Specifications and Bills of Quantities, of measuring variations and of the checking of final accounts. Salary will be in accordance with Grade VIII of the A.P.T. Scales, i.e., £685 per annum, rising by annual increments of £25 to £760 per annum.

Applications, marked "Senior Surveyor," should state: (1) Name and address; (2) age; and whether married; (3) professional qualifications; (4) past appointments; (5) present appointment and salary; (6) experience; (7) war service; (8) date available if appointed. Name and addresses of three referees should be given, and applications should be received not later than 25th August, 1948, addressed to the Secretary to the Board, "Dunira," Osborne Road, Newcastle-upon-Tyne, 2. 1494

**NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.**

Applications are invited for the permanent appointment of SENIOR CLERK, in the Architect's Section of the Headquarters Staff. Applicants must have had considerable experience of office administration, and experience of work and procedure in the Architectural Department of a Local Authority will be considered an advantage. Salary, according to age and experience, on Grade VI-VII of the A.P.T. Scales (£595-£710), rising by annual increments of £20-£25 to a maximum of £710. Applications, marked "Senior Clerk," stating age, previous appointments, present appointment and salary, and full classified details of experience, and accompanied by the names of three referees, should be sent by not later than 25th August, 1948, to the Secretary to the Board, "Dunira," Osborne Road, Newcastle-upon-Tyne, 2. 1499

**FLINTSHIRE COUNTY COUNCIL. APPOINTMENT OF TEMPORARY CLERK OF WORKS.**

Applications are invited for the appointment of Temporary Clerk of Works in the Architect's Department. Salary A.P.T., II, of the National Scheme of Conditions of Service (£420-£465).

Candidates should have a practical knowledge of all branches of the building trade, and be experienced in the supervision of the erection of all classes of buildings and be capable of setting out, measuring up, keeping records and making reports. Experience in the maintenance and repair of education buildings would be an advantage.

The appointment will be subject to (a) the National Scheme of Conditions of Service, as modified by the County Council; (b) the provisions of the Local Government Superannuation Act, 1937, and (c) a satisfactory medical examination.

Applications will be considered from registered disabled persons.

Applications, on a form to be obtained from the undersigned, accompanied by a copy of one recent testimonial and the names and addresses of two persons willing to supply further testimonials, are to be returned so as to be received not later than the 31st August, 1948.

W. HUGH JONES, Clerk of the County Council. County Buildings, Mold. 1496

**NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.**

**APPOINTMENT OF PRINCIPAL ASSISTANT ARCHITECT.**

Applications are invited for the above permanent appointment on the Headquarters Staff of the Board at a salary of £800 per annum, rising by annual increments of £25 to £950 per annum. Applicants must be Corporate Members of the R.I.B.A., have had considerable experience in hospital design and construction, possess good administrative ability, and be capable of deputising for the Regional Architect. The post is superannuable.

Forms of application may be obtained from the Secretary to the Board, "Dunira," Osborne Road, Newcastle-upon-Tyne, 2, to whom the applications should be returned not later than 1st September, 1948.



# **BOROUGH OF MALDEN AND COOMBE. BOROUGH ENGINEER'S DEPARTMENT. TEMPORARY TOWN PLANNING ASSISTANT (MALE OR FEMALE).**

Applications are invited for the above appointment at a salary in accordance with Grade III, A.P.T., of the National Scale (£450 × £15 = £456 p.a.) plus London weighting.

Applicants must be neat and expeditious draughtsmen and had previous planning, engineering or architectural experience, and should possess a knowledge of the basic survey work required in the preparation of Town Planning Schemes.

Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials, should be submitted in sealed envelopes, endorsed "Town Planning Assistant," and should be sent to the Borough Engineer, Municipal Offices, New Malden, not later than 1st September, 1948.

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

**HAROLD E. BARRETT,**

*Town Clerk.*

Municipal Offices, New Malden, Surrey. 1497

# **CITY AND COUNTY OF CANTERBURY. Applications are invited for the position of TOWN PLANNING ASSISTANT in the office of the City Surveyor.**

Applicants must have 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 recognised 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 28th August, 1948.

**J. BOYLE,**

*Town Clerk.*

Municipal Buildings, Canterbury. 1531  
August, 1948.

# **EAST ANGLIAN REGIONAL HOSPITAL BOARD.**

**ARCHITECTURAL APPOINTMENTS.**  
The Board invite applications for the under-mentioned architectural appointments on the headquarters staff—

(a) **SENIOR ASSISTANT ARCHITECT** at a salary according to Grade VI of the A.P.T. Division of the National Salaries Scales (£595 to £660 per annum). The commencing salary will be according to qualifications and experience. Candidates should be associate members of the Royal Institute of British Architects, and knowledge of hospital work will be regarded as an additional qualification.

(b) **ARCHITECTURAL ASSISTANT** at a salary according to Grade II of the A.P.T. Division of the National Salaries Scales (£420 rising to £465 per annum).

Both appointments will be subject to the National Health Service (Superannuation) Regulations, 1947, and deductions from salary for superannuation purposes will be at the rate of 6 per cent.

Applications, stating age, qualifications and experience, and accompanied by the names of three referees, should be addressed to and reach the undersigned not later than Monday, 30th August, 1948.

**K. V. F. MORTON,**

*Secretary.*

117, Chesterton Road, Cambridge. 1530

# **CITY OF PETERBOROUGH. CITY ENGINEER AND SURVEYOR'S DEPARTMENT.**

Applications are invited for the appointment of a **QUANTITY SURVEYOR** in the Architectural Section of the City Engineer and Surveyor's Department, at a salary in accordance with Grade V, A.P.T., i.e., £520, rising by annual increments to £570 per annum. Applicants must be capable of taking off bills of quantities, abstracting and billing, measuring up on site, and agreeing final accounts.

The City Council have adopted the National Scheme of Conditions of Service. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and successful applicant will be required to pass a medical examination. Applications, stating age, qualifications and experience, accompanied by copies of not more than three recent testimonials and suitably endorsed, must be delivered to the undersigned not later than 3rd September, 1948.

Applicants must disclose whether they are related to any Senior Officer or Member of the Authority.

**ARTHUR J. REEVES,**

*Town Clerk.*

Town Hall, Peterborough. 1563  
August, 1948.

# **BUCKS COUNTY COUNCIL.**

Applications are invited for the following appointments in the County Architect's Department—

**CHIEF ASSISTANT ARCHITECT** at a salary on the scale £760 × £25 to £860 p.a. Candidates must have had professional and administrative experience in the local or central government service. They must be Members of the R.I.B.A. and preferably hold a University Degree, or equivalent, in Architecture.

**ASSISTANT QUANTITY SURVEYOR, A.P.T., Grade V, £520-£570 p.a.** Candidates should be capable of undertaking the preparation of Bills of Quantities and specifications for minor works, and be experienced "workers-up," capable of abstracting and billing dimensions in all trades.

Travelling and subsistence allowances will be paid in accordance with the National Scheme of Conditions of Service for the time being in force. The appointments are superannuable and subject to medical examination.

Further particulars and form of application may be obtained from the County Architect, County Offices, Aylesbury, to whom applications must be delivered by 4th September, 1948.

**GUY R. CROUCH,**

*Clerk of the County Council.*

County Hall, Aylesbury. 1562  
August, 1948.

# **CROWN AGENTS FOR THE COLONIES.**

Applications from qualified candidates are invited for the following post—

**QUANTITY SURVEYOR** required by Hong Kong Government, Public Works Department, for three years, with prospect of permanency. Commencing salary according to qualifications and experience in scale \$1,043 a month, rising to \$1,820 a month, including expatriation pay. In addition, a cost of living allowance of up to \$425 a month is payable. The Government rate of exchange is at present \$16 to the £ sterling, but it is liable to alteration. Free passages. Candidates, not over 40 years of age, must be Chartered Quantity Surveyors and have had at least five years' experience dealing with large building works. Apply at once by letter, stating age, whether married or single and full particulars of qualifications and experience and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/17517/3D on both letter and envelope. 1544

# **CITY OF WAKEFIELD. CITY ENGINEER'S DEPARTMENT. APPOINTMENT OF ARCHITECTURAL ASSISTANT, GRADE II.**

Applications are invited for the above appointment on Grade II, A.P.T. scales (£420 rising to £465 per annum). The appointment will be subject to the Local Government Superannuation Act, 1947, and to the passing of a medical examination.

Candidates should state in writing whether to their knowledge they are related to any member or senior official of the Corporation. Canvassing will be a disqualification.

Applications, endorsed "Architectural Assistant," stating age, qualifications, present and previous appointments, and giving details of experience, should be accompanied by copies of two testimonials and sent to me not later than Saturday, the 4th September, 1948.

**W. S. DES FORGES,**

*Town Clerk.*

Town Hall, Wakefield. 1543  
11th August, 1948.

# **MIDDLESEX COUNTY COUNCIL.**

**SENIOR SURVEYOR** required in the County Architect's Department. Commencing salary £300 × £30 = £1,050 p.a., plus cost-of-living bonus, now £50 p.a. Established and pensionable, subject to medical fitness. Experience in effecting liaison between Architects and Surveyors in connection with the management, etc., of major building contracts, supervising the acquisition of materials in bulk, and also experience in specification work, estimating and licensing regulations. Candidates must be Chartered Surveyors and Registered Architects. Application forms from County Architect, 20, Vauxhall Bridge Road, S.W.1 (stamped add. envelope), to be returned within 10 days (quoting E.870, A.J.). 1536

# **BOROUGH OF JARROW. BOROUGH ENGINEER'S DEPARTMENT. ARCHITECTURAL ASSISTANT, GRADE III.**

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 III, A.P.T. Division, £485-£495. 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 appointments and experience, together with the names and addresses of three referees, to be received by the undersigned by 4th September, 1948.

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. 1540  
9th August, 1948.

# **COUNTY BOROUGH OF CROYDON—EDUCATION DEPARTMENT.**

Applications are invited for the following appointments—

**ASSISTANT SURVEYOR (A.P.T., V, £520 p.a. to £570 p.a.).**

Candidates should be Chartered Surveyors (Building), with wide experience in preparing specifications for new works and alterations, scheduling, and general surveying duties.

**SURVEYING ASSISTANT (A.P.T., IV, £480 p.a. to £525 p.a.).**

Candidates should be suitably qualified, with wide experience in estimating, valuations for certificates, and settlement of final accounts.

**JUNIOR SURVEYING ASSISTANT (A.P.T., II, £420 p.a. to £465 p.a.).**

Candidates should be of Inter. R.I.C.S. (Building) standard, with good general experience. The appointments are superannuable, subject to medical examination.

London weighting of £30 p.a. (£20 p.a. if under 26 years of age) is paid in addition to the salaries shown above.

Forms of application may be obtained from the Chief Education Officer, Katharine Street, Croydon (by sending a stamped, addressed envelope) and must be returned to him not later than 28th August, 1948.

Canvassing will disqualify.

**E. TABERNER,**

*Town Clerk.*

27th July, 1948. 1470

# **METROPOLITAN BOROUGH OF PADDINGTON HOUSING DEPARTMENT.**

Applications are invited for the following appointments on the permanent establishment of the Housing Department (which also deals with all Council's building work).

(a) **ASSISTANT ARCHITECT A.P.T. Grades V and VI, salary £520-£660, plus London "weighting,"** commencing at a point within the Grades commensurate with experience and qualifications.

Applicants should be associates of the R.I.B.A. and have had extensive experience in contemporary architectural design and construction of general municipal buildings, including multi-storey flats of brick and framed construction, be progressive in outlook, and able to supervise works in course of erection.

(b) **QUANTITY SURVEYOR'S ASSISTANT, A.P.T. Grades I and II, salary £390-£465, plus London "weighting,"** commencing at a point within the Grades commensurate with experience and qualifications.

Applicants should have experience in all branches of building work and should be familiar with all aspects of a Quantity Surveyor's duties, including preparation of estimates, bills of quantities, abstracts, contract documents, and cost statistics, and be able to measure up for interim and final certificates and to settle final accounts. Preference will be given to candidates who have passed or are at the standard of the Intermediate Examination of the Royal Institution of Chartered Surveyors (Quantities Division).

Both appointments will be subject to one month's notice on either side and to the provisions of the Council's Superannuation Acts and Standing Orders, and to the National Joint Council's Scheme of Conditions of Service.

Forms of application for appointment (a) can be obtained from the undersigned, but no form is provided for appointment (b).

Applications for both appointments, stating age, qualifications, present and previous appointments with salaries, and experience, together with copies of three recent testimonials, clearly indicating the appointment for which application is being made, are to be delivered to the undersigned by first post on Monday, 6th September, 1948.

Canvassing, directly or indirectly, will disqualify.

**W. H. BENTLEY,**

*Town Clerk.*

Town Hall, Paddington, London, W.2. 1500  
6th August, 1948.

# **CORPORATION OF THE CITY OF GLASGOW. APPOINTMENT OF DIRECTOR OF HOUSING.**

The Corporation of the City of Glasgow invite applications for the post of **DIRECTOR OF HOUSING.**

The appointment will be held during the pleasure of the Corporation, and the salary offered is at the rate of £1,700, rising by annual increments of £100 to £2,200 per annum.

The duties of the Director of Housing include the surveying of sites for housing schemes, the preparation of plans and schedules, and the supervision of the work of erection, repair and maintenance of houses and various commercial buildings belonging to the Corporation; the execution of building work by direct labour, and the repair of war damage.

If the person appointed is under 50 years of age he will require to join the Corporation Superannuation Scheme and to pass the medical examination therefor.

Applications, stating age, qualifications and experience, together with copies of three recent testimonials, must be lodged with the subscriber not later than 3rd September, 1948, in an envelope marked on the outside "Appointment of Director of Housing."

**WILLIAM KERR,**

*Town Clerk.*

City Chambers, Glasgow, C.2. 1533  
7th August, 1948.

**COUNTY BOROUGH OF EAST HAM.  
BOROUGH ENGINEER'S DEPARTMENT.**  
Applications are invited for the undermentioned appointments:—

**SENIOR ARCHITECTURAL ASSISTANT,**  
Grade A.P.T. VI., salary £596-£650 plus the appropriate London "Weighting."  
**CHIEF QUANTITY SURVEYOR, Grade A.P.T. VII.,** salary £635-£710, plus the appropriate London "Weighting."

Salaries in excess of the minima of the grades may be paid according to the qualifications and experience of the successful candidates.

The Council has in course of preparation a large and varied programme of interesting work which it is anticipated will not be affected by the proposed reductions in capital expenditure. Housing accommodation is not provided, but the Council will be prepared to consider applications for subsistence allowances in appropriate cases from persons appointed who may be unable to obtain suitable accommodation.

Full particulars of the duties, terms and conditions of appointment and form of application (which must be returned by Friday, 3rd September, 1948), may be obtained from the undersigned. Canvassing in any form will disqualify.

H. A. EDWARDS, Town Clerk.

Town Hall, East Ham, E.6.  
August, 1948. 1581

**CAMBRIDGESHIRE COUNTY COUNCIL.  
COUNTY ARCHITECT'S DEPARTMENT.**  
Applications are invited for the following appointments:—

(a) **ASSISTANT ARCHITECT (Temporary),**  
Grade VI, A.P.T., consolidated salary £595-£660.  
(b) **ARCHITECTURAL ASSISTANT (Permanent),** Grade III, A.P.T., consolidated salary £450-£494.

Candidates for (a) should be fully qualified Architects and members of the Royal Institute of British Architects, and have had experience of all types of public buildings.

Candidates for (b) should be able to prepare drawings from preliminary sketches and should have a good knowledge of construction.

Applications, stating age, qualifications and experience, accompanied by one recent testimonial and the names and addresses of two referees, should be sent to the Clerk of the Council, Shire Hall, Cambridge, not later than Saturday, the 4th September, 1948.

The appointments will be subject to one month's notice on either side, and the selected Candidates will be required to pass a Medical Examination.

CHARLES PHYTHIAN, Clerk of the County Council.  
Shire Hall, Cambridge.  
14th August, 1948. 1585

**SALOP COUNTY COUNCIL.  
COUNTY ARCHITECT'S DEPARTMENT.**  
Applications are invited for the following appointments to established posts in the Department:—

(a) **SENIOR ASSISTANT ARCHITECTS,**  
A.P.T. Grade V (£520-£570 per annum).  
(b) **JUNIOR ASSISTANT ARCHITECTS,**  
A.P.T. Grade I-II (£390-£465 per annum).  
Applicants for post (a) must be members of the R.I.B.A. Applicants for post (b) should have had previous experience in an architect's office, and preference will be given to candidates who have passed, or are about to sit for, the R.I.B.A. Intermediate Examination.

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

Application forms may be obtained from the County Architect, Mr. A. G. Chant, F.R.I.B.A., 5, Belmont, Shrewsbury, to whom they must be returned, accompanied by copies of not more than three recent testimonials, not later than Tuesday, September 7 next.

G. C. GODBER, Clerk of the Council.  
Shrewsbury, August, 1948. 1567

**GLOUCESTERSHIRE COUNTY COUNCIL.  
APPOINTMENT OF DEPUTY COUNTY ARCHITECT.**

Applications are invited for the above appointment at a consolidated salary of £840-£930 to £960 per annum.

Candidates must have had considerable experience in the work of a County Architect's Department, including administrative experience. The appointment will be subject to the Local Government Superannuation Act, 1937, and such other conditions as the County Council may from time to time adopt, and the successful candidate will have to pass a medical examination.

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

Application forms may be obtained from S. E. Urwin, F.R.I.B.A., County Architect, Shire Hall, Gloucester, to whom they should be returned not later than Saturday, the 25th September, 1948.

GUY H. DAVIS, Clerk of the County Council.  
11th August, 1948. 1578

**WEDNESFIELD URBAN DISTRICT COUNCIL.  
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT in the Engineer and Surveyor's Department at a salary in accordance with Grade III, A.P.T., of the National Scales, £450-£495, consideration will be given to providing a house if necessary.

Applicants should be registered Architects and preference will be given to Associates of the Royal Institute of British Architects. A good general experience is required, particularly in the preparation of drawings and specifications for Municipal Housing Schemes. A knowledge of quantities would be an advantage.

The appointment is superannuable and terminable by one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by copies of three recent testimonials, must reach the undersigned not later than 30th August, 1948.

S. R. WRIGHT, Clerk to the Council.  
Clerk's Dept., Council Offices, Wednesfield, Staffs. 1582

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

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT, salary in accordance with Grade VI of the National Scale, viz., £595-£660 per annum. Commencing salary in accordance with experience and qualifications. Applicants must be Associate Members of the Royal Institute of British Architects. The appointment is subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications, experience, the names of two persons to whom reference may be made, and endorsed "Architectural Assistant," should be delivered to the Director of Education, County Offices, Grey Friars, Leicester, not later than Thursday, the 9th September, 1948. Canvassing, either directly or indirectly, will be a disqualification.

JOHN A. CHATTERTON, Clerk of the Council.  
County Offices, Grey Friars, Leicester. 1565

**BLABY RURAL DISTRICT COUNCIL.  
ENGINEER AND SURVEYOR'S DEPARTMENT.  
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

(HOUSING PROGRAMME).  
Applications are invited for the above appointment from persons with experience in housing work. Candidates should have a sound knowledge of building construction and be neat draughtsmen.

Salary according to age and experience within A.P.T. Grade II, £420 to £465 per annum.

Applications, in the candidate's own handwriting, stating age, experience and qualifications, with copies of two recent testimonials, to be sent to the undersigned not later than 31st August, 1948.

J. J. DERRY, Clerk of the Council.  
Council Offices, Narborough, Leicester.  
August 12, 1948. 1577

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

Applications are invited for the following appointments:—

(a) **SENIOR ASSISTANT ARCHITECT, Grade VI (Housing Section) (Permanent),** £595-£660.

Candidates should have had good professional training, experience with a local authority in housing schemes, the layout of estates and general architectural design. Preference will be given to candidates who have passed examinations for membership of the R.I.B.A.

(b) **ARCHITECTURAL ASSISTANT, Grade II,** £425-£465.

Candidates should have good architectural knowledge and be capable of preparing working drawings and details. Preference will be given to candidates studying for R.I.B.A. examinations.

(c) **QUANTITY SURVEYOR'S ASSISTANT, Grade I,** £390-£435.

Applicants should have had experience in "working up," preferably in a quantity surveyor's office.

(d) **PLANNING ASSISTANT, Grade I,** £390-£435.

(e) **JUNIOR PLANNING ASSISTANTS, General Division,** £135-£385, according to age.

Preference will be given to candidates who have had some experience as surveyors and draughtsmen.

The appointments are subject to the National Joint Council Scheme of Conditions of Service, as adopted by the Corporation, and to the passing of a medical examination for the purposes of the Local Government Superannuation Act, 1937. Full particulars of age, qualifications and experience, and copies of two recent testimonials, or names and addresses of two referees, should reach the Borough Architect's Department, Civic Centre, Southampton, not later than 30th August, 1948.

R. RONALD H. MEGGESON, Town Clerk.  
Civic Centre, Southampton. 1586

**HIS MAJESTY'S COLONIAL SERVICE,  
TOWN PLANNING OFFICERS.**

Officers will be appointed either on probation for permanent and pensionable employment at a salary within the incremental scale £660 to £1,300 (consolidated), or on contract for one tour in the first instance at a flat-rate salary within the scale £800 to £1,300 per annum (consolidated), point of entry in each case depending on age, experience and professional qualifications. An outfit allowance of £60 is paid on first appointment. Fully furnished Government quarters are provided, if available, at a rental of £60, £75 or £90 per annum according to salary, and income tax is payable at low West African rates only. Candidates must be Associate Members of the Town Planning Institute and should have had experience in the Town Planning Branch of a Municipal or other local authority in the design and execution of Town Planning Schemes. Preference will be shown to candidates possessing, in addition, professional engineering or architectural qualifications.

Tours of duty last for 18-24 months. Terms of service include free first-class passages for the officer and, if married, for his wife, once each way each tour, free medical attention, and home leave on full pay at the rate of seven days per month of resident service.

Applicants should write at once to the Director of Recruitment (Colonial Service), Sanctuary Buildings, Great Smith Street, London, S.W.1, stating age, professional qualifications and experience. 1584

**BOROUGH OF LEYTON.  
ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT in the Department of the Borough Engineer and Surveyor.

The salary will be £480 per annum, rising by three annual increments of £15 per annum, to a maximum of £525 per annum (Grade IV of the National Joint Council's Scheme of Conditions of Service) plus London Weighting allowance.

Candidates should be members of the Royal Institute of British Architects, or hold other suitable qualifications. They must be good draughtsmen and possess a practical knowledge of building construction in connection with the maintenance of, and design and construction of, schools, and be able to prepare working and detail drawings.

The appointment will be subject to the Council's conditions of service, the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to satisfy the Medical Officer of Health as to his medical fitness.

Applications, stating age, details of qualifications and experience, together with copies of three recent testimonials, to be delivered to the Borough Engineer and Surveyor not later than Friday, 3rd September, 1948, in a sealed envelope endorsed "Architectural Assistant."

D. J. OSBORNE, Town Clerk.  
Town Hall, Leyton, E.10.  
12th August, 1948. 1580

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

Applications are invited for the permanent post of PRINCIPAL ASSISTANT (Professional), £960-£1,100 a year.

Candidates should be Associates of the Royal Institute of British Architects, experienced in contemporary design, good organisers and capable of leading a team of architects.

Application forms and further particulars from the Architect to the Council (P), County Hall, Westminster Bridge, S.E.1 (enclosing stamped addressed foolscap envelope). (1719). 1577

**BISHOP AUCKLAND URBAN DISTRICT COUNCIL.  
APPOINTMENT OF ARCHITECTURAL ASSISTANT.**

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT in the Surveyor's Department to work under the direction of the Surveyor.

The salary for the appointment will be in accordance with Grade V (£520 to £570 per annum) of the A.P.T. Division of the National Joint Council's Scheme.

Applicants must be Associate Members of the Royal Institute of British Architects, and the successful applicant will be allowed the tenancy of one of the Council's houses. The appointment will be subject to the Local Government Superannuation Act, 1937, and also to one month's notice on either side.

Applications, stating age, qualifications, past and present appointments and experience, and giving the names of two persons to whom reference can be made, must reach the undersigned not later than Saturday, the 18th September, 1948.

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

R. W. BLYTHE, Clerk to the Council.  
Town Hall, Bishop Auckland.  
13th August, 1948. 1584



## CITY AND COUNTY OF KINGSTON-UPON-HULL.

Applications are invited for the following appointments on the staff of the City Architect:—

- (a) ASSISTANT ARCHITECT, A.P.T., Grade VI (£595-£660 per annum).  
(b) ASSISTANT ARCHITECT, A.P.T., Grade V (£520-£570 per annum).

Applicants should not be over 40 years of age (except in the case of applicants who are serving or have served in the Forces).

The appointments will be subject to one month's notice on either side, to the National Scheme of Conditions of Service and the Local Government Superannuation Act, 1937.

Application forms, obtainable from the undersigned, should be returned complete on or before 5th September, 1948.

ANDREW RANKINE, A.R.I.B.A.,  
City Architect.

Guildhall,  
Kingston upon Hull. 1523

## HAYES AND HARLINGTON URBAN DISTRICT COUNCIL.

## APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT, GRADE APT. IV.

Applications are invited from suitably experienced and qualified persons for the above permanent appointment on the Staff of the Engineer and Surveyor.

Forms of application, together with conditions of appointment can be obtained, on receipt of a stamped addressed foolscap envelope, from the Engineer and Surveyor, Town Hall, Hayes, Middlesex, to whom completed applications, endorsed "Senior Architectural Assistant," should be returned not later than 9 a.m. on the 28th August, 1948.

A. E. HIGGINS,  
Clerk of the Council

Town Hall,  
Hayes, Middlesex. 1532  
19th August, 1948.

## BOROUGH OF HESTON AND ISLEWORTH. ENGINEER AND SURVEYOR'S DEPARTMENT.

## APPOINTMENT OF SECOND PLANNING ASSISTANT.

Applications are invited for the appointment of SECOND PLANNING ASSISTANT in the Borough Engineer and Surveyor's Department at a salary in accordance with Grade IV of the A.P.T. Division of the National Scale, viz., £480-£525 per annum, consolidated, plus current London "weighting."

Candidates should have had previous experience in Town and Country Planning, including the preparation of Schemes and Interim Development procedure. The possession of the examination qualification of the Town Planning Institute or other equivalent examination qualification will be considered an advantage.

Application forms, which can be obtained from the Borough Engineer, 88, Lampton Road, Heston, by sending a stamped addressed foolscap envelope, should be returned to him (endorsed "Planning Assistant") not later than noon on 6th September, 1948.

Canvassing will disqualify.

HAROLD SWANN,  
Town Clerk.

Council House,  
Hounslow, Middlesex. 1579

## CANTERBURY EDUCATION COMMITTEE COLLEGE OF ART.

## SCHOOL OF ARCHITECTURE.

Required in September, a full-time STUDIO MASTER for work in connection with the Finals Course. The College is approved by the R.I.B.A. as a Listed School. Candidates must be Associates or Fellows of the R.I.B.A., preferably school trained and with some professional experience in Architecture. Previous teaching experience is desirable but not essential. Salary scale: £360 plus £15 to £555, plus a graduate allowance of £30. Up to ten increments may be allowed for suitable professional experience.

Applications, giving full particulars of training, qualifications and experience, should be sent to the Principal as soon as possible.

JAMES GREEN,  
Chief Education Officer.

78, London Road,  
Canterbury. 1561

## MONMOUTHSHIRE COUNTY COUNCIL.

Applications are invited for the following posts in the County Architect's Department:—

- (a) Two Permanent ARCHITECTURAL ASSISTANTS at a salary in accordance with Grade VII (i.e., £535, rising by annual increments of £25 to £710 per annum) of the Administrative, Professional and Technical Division of the National Joint Council's Scale.

- (b) One Permanent ASSISTANT QUANTITY SURVEYOR at a salary in accordance with Grade VI (i.e., £595, rising by two annual increments of £20 and one of £25, to £660 per annum) of the Administrative, Professional and Technical Division of the National Joint Council's Scale.

Forms of application, particulars of the post, and conditions of service, can be obtained from the undersigned. Applications, together with copies of three recent testimonials, must be delivered to Colin L. Jones, Esq., F.R.I.B.A., County Architect, Queen's Hill, Newport, Mon., not later than 31st August, 1948.

VERNON LAWRENCE,  
Clerk of the Council.

County Hall,  
Newport, Mon. 1568

## WEST SUSSEX COUNTY COUNCIL.

County School of Art and Crafts, Worthing.  
Applications are invited from suitably qualified persons for the post of full-time ASSISTANT MASTER in the Architectural Department of the School. Students are prepared for the Intermediate R.I.B.A. Examination and for the Intermediate Examination of the Ministry of Education. Salary in accordance with the Burnham Technical Scale. Application forms from the Director of Education, County Hall, Chichester, on receipt of stamped addressed envelope (foolscap, 24d.). Completed forms should be returned to the Director of Education within two weeks of the appearance of this notice.

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

1541

## BERKSHIRE COUNTY COUNCIL.

## COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

- (a) SENIOR ASSISTANT ARCHITECT. Salary £520-£570.

- (b) ARCHITECTURAL ASSISTANT. Salary £450-£495.

Candidates for appointment (a) must be Registered Architects and members of the Royal Institute of British Architects and possess a motor car to be used in the service of the County Council.

Detailed particulars of the appointments, which will be permanent and superannuable, together with Application Form, can be obtained from the County Architect, 35, Bath Road, Reading. Candidates must state for which appointment they intend to apply.

Completed Applications are to be received by the County Architect not later than 31st August, 1948.

H. J. C. NEOBARD,  
Clerk of the Council.

Shire Hall, Reading. 1539  
August, 1948.

## STATES OF GUERNSEY.

Applications are invited for the appointment of an ARCHITECTURAL ASSISTANT in the States of Guernsey Public Works Department.

Salary £555 per annum, rising by annual increments of £20 to £670 per annum, plus cost-of-living bonus of £50 per annum for a married man, or £25 for a woman or a single man. The commencing salary may be increased by one or two increments for candidates with exceptional experience and qualifications.

Applicants must be Registered Architects and preferably Corporate Members of the Royal Institute of British Architects, and must have a thorough knowledge of architectural works, with practical experience in the design and development of public buildings of all types and the preparation of working drawings and specifications.

Candidates must not be over 45 years of age and the successful applicant will be required to pass a medical examination.

The appointment will be terminable at any time by one month's notice on either side.

Applicants should indicate in the following order:—

- Name and address.
- Age, nationality, and whether married or single.
- Educational training.
- Professional qualifications.
- Present position, salary and date of appointment.
- Previous positions, with salaries and dates of appointments.
- Detailed particulars of experience.
- Any further remarks in support of application.
- Notice required to terminate present appointment.

Applications, endorsed "Architectural Assistant," together with copies of two recent testimonials, should reach the undersigned not later than the 11th September, 1948.

Canvassing in any form will disqualify.

L. A. GUILLEMETTE,  
States Supervisor.

States Office,  
Guernsey. 1535  
9th August, 1948.

## CITY AND COUNTY OF KINGSTON-UPON-HULL.

Applications are invited for the following appointments in the Quantity Surveyor's Section:—

- (a) ASSISTANT QUANTITY SURVEYOR, A.P.T., Grade V (£520-£570 per annum).

- (b) ASSISTANT QUANTITY SURVEYOR, A.P.T., Grade III (£450-£495 per annum).

Applicants should not be over 40 years of age (except in the case of applicants who are serving or have served in the Forces).

Candidates should have had considerable experience in a Quantity Surveyor's Office and be efficient in "Taking Off" Quantities for all trades, measuring up and preparing final accounts.

The appointments will be subject to one month's notice on either side, to the National Scheme of Conditions of Service and the Local Government Superannuation Act, 1937.

Application forms, obtainable from the undersigned, should be returned complete on or before 6th September, 1948.

ANDREW RANKINE, A.R.I.B.A.,  
City Architect.

Guildhall,  
Kingston upon Hull. 1522

COMMONWEALTH OF AUSTRALIA.  
COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH.  
BUILDING RESEARCH SECTION.  
APPOINTMENT (NOS. 1546) OF RESEARCH STAFF.

The Council has vacant a position of RESEARCH OFFICER, BUILDING RESEARCH SECTION, Melbourne, and invites applications to fill this position.

POSITION NO. 1546—RESEARCH OFFICER.

Duties:—To take part in the collection, editing and dissemination of information from all parts of the world concerning building research.

Qualifications:—University degree in architecture, science or engineering or equivalent qualifications.

Salary:—Dependent on qualifications and experience, commencing salary will be determined within the range of Research Officer, £4400-£4725 p.a. nominal (£4400-£4807 p.a. actual). £A25 increments subject to efficiency review at £A500 and £A625 p.a. nominal. The above salaries apply to a male appointee; actual salaries include cost of living adjustment, which at present increases male nominal salaries by £A82 p.a.

Note:—Salary will commence from date successful applicant takes up duty in England if required to do so, or one fortnight before the scheduled date of departure for Australia, whichever is the earlier, and will be paid in sterling until embarkation for Australia, thereafter in Australian currency. Fares (including those of wife and family) to Australia will be paid.

Subject to a satisfactory medical examination, the successful applicant will be eligible to contribute to and receive benefits from, either the Commonwealth Superannuation Fund or the Commonwealth Provident Account.

Applications\* (referring to Appointment No. 1546), and stating date of birth, marital status, nationality, present employment, particulars of qualifications and experience, and of war service, if any, accompanied by names and addresses of at least two persons willing to act as referees, if desired, and by copies of not more than four testimonials, should reach the undersigned not later than 18th September, 1948.

(Sgd.) J. E. CUMMINS,  
Chief Scientific Liaison Officer,  
Australian Scientific Research Liaison Office,  
Africa House,  
Kingsway, London, W.C.2. 1527

## BOROUGH OF WILLESDEN.

## APPOINTMENT OF ARCHITECTURAL ASSISTANT.

The Council invite applications for the appointment of one Third Class ARCHITECTURAL ASSISTANT on the permanent staff of the Borough Engineer and Surveyor's Department. The salary attaching to the post will be Administrative, Professional and Technical Grade III of the National Whitley Council Scale for the London area—namely, £480 per annum by £15 to £525 per annum.

Candidates must have passed the Intermediate Examination of the Royal Institute of British Architects or hold an equivalent qualification and preferably have general knowledge and experience of architectural work in the service of a Local Authority. The appointment, which will be terminable by one month's notice on either side, is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications, together with copies of not more than three recent testimonials should be forwarded to the undersigned, endorsed "Architectural Assistant" not later than 10 a.m. on Monday, 6th September, 1948.

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

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

Town Hall,  
Dyne Road,  
Kilburn, N.W.6. 1528  
5th August, 1948.

## MINISTRY OF WORKS, BRISTOL.

Applications are invited for posts of ARCHITECTURAL ASSISTANTS at salaries from £292 per annum to £510 per annum, slightly lower for women. Appointments are in an unestablished capacity with prospects of advancement and security. Commencing salaries will be determined according to age, qualifications and experience.

Successful candidates will be required to undertake the preparation of sketches, working drawings, and specifications for Government building work of all types. Replies should be made in writing, stating age, to C. A. E. Thatcher, A.R.I.B.A., Assistant Regional Director, Ministry of Works, 5, Priory Road, Bristol, 8. 1529

## MIDDLESEX COUNTY COUNCIL.

Required for County Architect's Department. Established and pensionable staff, subject to medical fitness:—

- (a) ASSISTANT ARCHITECTS, Grade VIII (£715-£790 p.a.).

- (b) ASSISTANT ARCHITECTS, Grade VI (£625-£690 p.a.).

Fully qualified Architects, preferably with experience in local authority work. Application forms from County Architect, 20, Vauxhall Bridge Road, S.W.1 (stamped add. envelope), to be returned within 10 days (quoting E.841, A.J.).

C. W. RADCLIFFE,  
Clerk of the County Council.

Middlesex Guildhall,  
S.W.1. 1526

### Sale by Tender and Auction

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

**IN THE HEART OF OLD HAMPSTEAD, 16, CHURCH ROW.**—Genuine Georgian period residence; 6 bed, 4 dressing, bath, 3 reception, and usual domestic offices; extensive panelling and oak floors; lovely old world gardens over ½ acre; garage and cottage; freehold; sale by auction 6th September. Sole agents: Goldschmidt & Howland, 15, Heath Street, Hampstead, N.W.3. Tel.: HAM. 4404 (6 lines). 1406

**HENDON.**—Splendid Freehold Site. Danecroft Avenue. Nearly 1 acre. Frontage 269 ft. Road made and all services. Zoned 12 units per acre. Suitable flats or houses. Auction 30th September. Ernest Owers & Williams, 1, Golders Green Road, N.W.11. 1542

### Competitions

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

**SPOTLIGHT ON TALENT.** 500 Gns. in prizes for Amateur and Professional Designers. Palatial National Furniture Design Competition. Now open. Entry forms and details from Palatial, Ltd., 616, Old Ford Road, London, E.3. 1519

### METROPOLITAN BOROUGH OF ST. MARYLEBONE.

**MEMORIAL TO CIVILIAN WAR DEAD.** THE Borough Council invite Architects to submit designs in open competition for a Memorial (including the layout of the plot) to civilians killed by enemy action, to be erected in the St. Marylebone Cemetery, East End Road, East Finchley. Twenty guineas will be paid to the author of the design selected by the Council. Further particulars from:—The Town Clerk, Town Hall, St. Marylebone, W.1. 1520

### Architectural Appointments Vacant

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

**SENIOR ASSISTANT ARCHITECT** required in the Staff Architects' Department of a large West Riding Multiple concern; salary £500 p.a. Write, stating age and experience, with copies of testimonials, to Box 1336.

**SENIOR ARCHITECTURAL ASSISTANT** required by Dublin City Office, Eire; must have 15 to 20 years' experience, expert knowledge of working drawings, etc., and knowledge of hospital work; salary £750 to £1,000, according to experience. Also **TWO SENIORS** required; expert knowledge of working drawings; salary £500 p.a. Box 1393.

**ASSISTANT** required; to work under Senior A.S. Assistant on measuring up, working drawings and details. Write, stating age, experience, salary required, and when available, S. G. Scales, A.R.I.B.A., National Provincial Bank Chambers, Eastbourne. 1469

**EXPERIENCED SENIOR ARCHITECTURAL ASSISTANTS** required in busy Bloomsbury office engaged on commercial and general practice. Telephone HOLborn 5109, or write with details, to Box 1459.

**ARCHITECTURAL ASSISTANT** required; R.I.B.A. Intermediate standard; good draughtsman. Apply, stating age, experience, and salary required, to Farmer & Dark, Chartered Architects, Terminal House, Grosvenor Gardens, London, S.W.1. 1486

**ASSISTANT** required, Architect's busy office on South Coast. Capable man with sound experience, able to produce neat and accurate work. Salary according to ability. State age, experience, and salary, Box 1516.

**ARCHITECT'S DRAUGHTSMAN**, age 25-30, required in Building Dept. of London Commercial Firm. Apply, stating age, experience, and salary required, Box 1418.

**ASSISTANT ARCHITECT** required for Commercial and Industrial work; salary £500. State age and details of experience to A. C. Blackmore & Co., Ruskin House, Princes Avenue, Hull. 1414

**THE Milk Marketing Board** have a vacancy at Thames Ditton for an **ARCHITECTURAL ASSISTANT**, preferably Student, R.I.B.A., capable of preparing contract and detail drawings and able to carry out surveys. Salary £400, rising to £450 per annum. Pension scheme in operation. Apply in writing, giving full details of qualifications and experience, to the Chief Administrative Officer, Milk Marketing Board, Thames Ditton, Surrey. 1564

**NATIONAL Company** with interests throughout the country, require services of an **ARCHITECTURAL ASSISTANT** in their London Offices. The work is generally industrial, and calls for quick and accurate draughtsmanship, detailing, and ability to write specifications, make surveys, take levels, and deal with all authorities concerned. Applicants should be capable of taking a job from the sketch stage to final account, with slight supervision. Salary, £600 per annum. Member of the R.I.B.A. preferred. 1547

**ARCHITECT'S ASSISTANT** required in office at Croydon. Should have had sound experience and be capable of preparing working and detail drawings. Good draughtsmanship essential. Give full details of age, training, experience and salary required, to Box 1549.

**JUNIOR ASSISTANT** required by Architect in centre of Hampshire. Must be neat and accurate draughtsman, capable of making surveys, sketch, working and detail drawings, etc. Good prospect for suitable applicant. Write, stating age, experience and salary required, to Box 1560.

**ARCHITECTURAL ASSISTANT** required for private practice in S.E. London area; competent draughtsman, working drawings, surveys; knowledge of specifications and quantities an advantage. Salary, £250-£350, according to ability. Apply Box 1546.

**SENIOR ARCHITECTURAL ASSISTANT** required, experience of modern hospital work desirable. Bloomsbury area, 5-day week. Write, stating age, experience and salary required, Box 534, c/o 7, Coptic Street, W.C.1. 1524

**ARCHITECT'S ASSISTANT** (qualified) required for multiple firm, Birmingham office. Progressive position offered to energetic man. State age, experience, qualifications and salary required. Box 1525.

**CHIEF ASSISTANT** required. Apply in writing, stating experience and salary desired, to J. Kennedy Hawkes, A.R.I.B.A., 51, High Street, Esher, Surrey. 1534

**KEEN JUNIOR ARCHITECTURAL ASSISTANT** required by a London and Oxon Architect for a branch office in Cornwall. Reply, stating age, experience and salary required, to Box 1537.

**SENIOR ARCHITECTURAL ASSISTANT** required, experienced in design of Commercial Buildings. Sound knowledge of structural repairs, alterations, etc., essential. Applications should be Associate R.I.B.A. Apply by letter with full personal and professional particulars, references, etc., to Eric H. Davie, A.R.I.B.A., A.M.T.P.I., Staff Architect, Hillier, Parker, May & Rowden, Surveyors, 77, Grosvenor Street, W.1. 1538

**ARCHITECTURAL ASSISTANT** required in Birmingham office. Salary £10, or according to experience either way. Box 1574.

**ARCHITECTURAL ASSISTANTS** required (one Senior) for Westminster offices of large industrial concern, to deal with factory extensions. Knowledge of L.C.C. Building Acts essential. Write, giving age, experience and salary required, to Box 1572.

**MANAGING ASSISTANT** required by progressive firm of Architects for their Portsmouth Office. Full particulars, including qualifications, experience and salary required, to Box 1571.

**SENIOR ARCHITECTURAL ASSISTANTS** required immediately. Salary according to experience and qualifications. Farmer and Dark, Chartered Architects, Terminal House, Grosvenor Gardens, London, S.W.1. 1570

**REQUIRED** by the Church Commissioners, two qualified **ARCHITECTURAL ASSISTANTS**. Apply, stating age, qualifications, experience and salary required, to Box 1569.

**ARCHITECTURAL ASSISTANT** required immediately. Candidates should hold R.I.B.A. qualification and have had good experience in design of modern industrial buildings and offices, from preliminaries to working drawings, quantities and specifications. Salary up to £700, according to experience. Applications, with copies of testimonials, giving full details of experience, to Docks Engineer, British Railways Southern Region, Docks Engineer's Office, Southampton. 1565

### Architectural Appointments Wanted

**ARCHITECTURAL ASSISTANT**, 15 years' wide experience, desires progressive position; Southern England or abroad (South Africa preferred). Eric A. Bates, F.P.S., Clifton Bridge House, Stratford-upon-Avon. 15

**QUALIFIED Architect** (female, 23) requires position as **SENIOR ASSISTANT** in Architect's office, in London, W.; diploma of the University in Athens and 7 months' experience in Government office in Greece. Box 152.

**ARCHITECTURAL ASSISTANT** (30), 8, Ireland, desires position offering scope in or near London. Salary £600 to £700 p.a. according to nature of appointment. Box 159.

**JUNIOR**, 17 years of age, 3 years School of Building, requires position in Architect's office. City or South East London preferred. Box 151.

**ARCHITECTURAL ASSISTANT** (22), good drawing office and building construction experience, seeks appointment in progressive London office. Salary £300-£350. Box 160.


### Other Appointments Vacant

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

**DUNLOP RUBBER CO.** requires **STRUCTURAL ENGINEERING DRAUGHTSMAN**; must be experienced in detailing reinforced concrete or steel work; knowledge of design advantageous, but not essential. Applications in writing to Personnel Manager, Pire Dunlop, Erdington, Birmingham 24. 146

**SECRETARY S/T** to Architects; 5-day week plus 1 Saturday morning in 4; smallish office, pleasant atmosphere; holiday and Christmas bonus; good speeds essential; switchboard, but no book-keeping. Write Kerr & Colburn, 7, Bedford Row, W.C.1. 1461

*All Kinds of Veneer*



**Oak Veneer Co Ltd.**  
10-14 Kingsland Rd. London E.2.  
SHOREDITCH E544



**A VACANCY** exists for a **TECHNICAL ASSISTANT** to develop the use of aluminium and aluminium alloys for building applications. Applicants should not be over 30 years of age, and should possess architectural qualifications or equivalent practical experience. Box 1505.

**SENIOR SURVEYING ASSISTANT** required, preferably Chartered Surveyor, with knowledge of building construction and surveys. Salary, £600-£800, according to ability. Hargroaves & Reed, 17, Crook Log, Bexleyheath, Kent. 1503

**GOOD** Commission will be paid to gentleman for free lance contact man able to get bulk orders for industrial or marine or household paints. Advertisers are first class firm making very finest quality paints. Write Box 1546.

**BUILDING AND MAINTENANCE SURVEYOR** required by large organisation with country-wide interests. Able to prepare and price schedule of dilapidations and repairs. Should have some drawing board experience and be capable of obtaining Consents, Licences, etc. Salary, £500 per annum. Member of the R.I.C.S. preferred. 1548

**JUNIOR DRAUGHTSMAN** required for interior design work in West End Design Office of large industrial concern. Salary by arrangement. Reply Box 522, Dorland Advertising Ltd., 18/20, Regent Street, S.W.1. 1576

### Services Offered

4 lines or under, 2s. 6d.; each additional line, 1s.

**PERSPECTIVES**—Water colour or line; professional; terms moderate. Write "New Services," 85, Heath Street, Birmingham. 18. 1079

**HEATING, VENTILATING, AIR CONDITIONING** for Factories, Public Buildings, Private Houses, etc.; Consulting Specialists will be glad to collaborate with Architects in preparation of schemes, arranging and supervising contracts. W. H. Ross & Partners. Temporary address: 53, High Street, Harrow-on-the-Hill, Middlesex (c/o Electrical Safeguards, Ltd.). 1465

**ARCHITECTURAL Models** made to order; photographs of past work available. Box 1489.

**QUALIFIED ARCHITECT** offers part-time Assistance to members of the profession; Surveys, Building, Working Drawings, Specifications, etc.; fully experienced and with own equipment. Apply Box 1488.

**REGISTERED ARCHITECT** offers part-time assistance in the London area. Please state type of work and apply to Box 1573.

**ASSOCIATE** offers spare time assistance with schemes or working drawings from sketches. Box 1575.

### Miscellaneous

4 lines or under, 2s.; each additional line, 1s. 6d.

**A. J. BINNS, LTD.** Specialists in the supply and fixing of all types of fencing, guard rail, factory partitions and gates. Harvest Works, 20/21, St. Pauls Road, N.1. Canonbury 2061.

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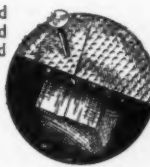
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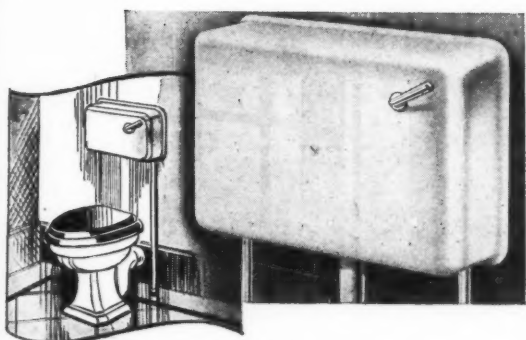
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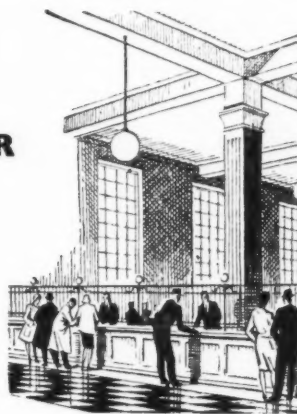
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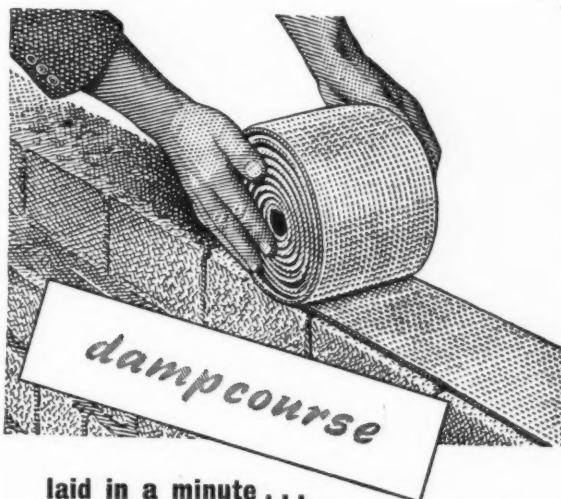


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