

THE ARCHITECTS' JOURNAL

NE ARTS DEPT:

STACK



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

| | | |
|-----------|---|--------------------------|
| AA | Architectural Association, 34/6, Bedford Square, W.C.1. | Museum 0974 |
| AAI | Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill, Avenue, Berkhamstead, Herts. | |
| ABS | Architects' Benevolent Society. 66, Portland Place, W.1. | Welbeck 5721 |
| ABT | Association of Building Technicians. 5, Ashley Place, S.W.1. | Victoria 0447-8 |
| ACGB | Arts Council of Great Britain. 4, St. James' Square, S.W.1. | Whitehall 9737 |
| ADA | Aluminium Development Association. 33, Grosvenor Street, W.1. | Mayfair 7501/8 |
| APRR | Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1. | Euston 2158-9 |
| ArchSA | Architectural Students' Association. School of Architecture, Manchester Municipal School of Art, All Saints, Manchester, 15. | Ardwick 3480 |
| ARCUK | Architects' Registration Council. 68, Portland Place, W.1. | Welbeck 9738 |
| ASB | Architectural Science Board of the Royal Institute of British Architects, 66, Portland Place, W.1. | Welbeck 5721 |
| AScW | Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1. | Grosvenor 4761 |
| BAE | Board of Architectural Education. 66, Portland Place, W.1. | Welbeck 5721 |
| BATC | Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1. | Reliance 7611, Ext. 1706 |
| BC | Building Centre. 9, Conduit Street, W.1. | Mayfair 8641/6 |
| BCC | British Colour Council. 13, Portman Square, W.1. | Welbeck 4185 |
| BCCF | British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13. | Perivale 6869 |
| BCIRA | British Cast Iron Research Association. Alvechurch, Birmingham. | Redditch 716 |
| BDA | British Door Association. 43, George Street, Croydon. | Croydon 5452 |
| BEDA | British Electrical Development Association. 2, Savoy Hill, W.C.2. | Temple Bar 9434 |
| BGC | British Gas Council. 1, Grosvenor Place, S.W.1. | Sloane 4554 |
| BGF | British Gas Federation. 1, Grosvenor Place, S.W.1. | Sloane 8266 |
| BIA | British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2. | Glasgow Central 2891 |
| BIAE | British Institute of Adult Education. 29, Tavistock Square, W.C.1. | Euston 5385 |
| BID | Building Industries Distributors. 52, High Holborn, W.C.1. | Chancery 7772 |
| BINC | Building Industries National Council. 11, Weymouth Street, W.1. | Langham 2785 |
| BOT | Board of Trade. Millbank, S.W.1. | Whitehall 5140 |
| BRS | Building Research Station. Bucknalls Lane, Watford | Garston 2246 |
| BSA | Building Societies Association. 14, Park Street, W.1. | Mayfair 0515 |
| BSI | British Standards Institution. 28, Victoria Street, S.W.1. | Abbey 3333 |
| BTE | Building Trades Exhibition. 4, Vernon Place, W.C.1. | Holborn 8146/7 |
| CABAS | City and Borough Architects Society. C/o Johnson Blackett, F.R.I.B.A., Borough Architect, Town Hall, Newport, Mon. | Newport 3111 |
| CAS | County Architects Society. C/o A. Guy Chant, F.R.I.B.A., Salop County Council, 5, Belmont, Shrewsbury. | Shrewsbury 3031 |
| CCA | Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1. | Sloane 5255 |
| CDA | Copper Development Association. Kendals Hall, Radlett, Herts. | Radlett 5616 |
| CIAD | Central Institute of Art and Design. 41, 42, Dover Street, W.1. | Regent 3074 |
| CIAM | Congrès Internationaux d'Architecture Moderne. Dolderal, 7, Zurich, Switzerland | |
| CID | Council of Industrial Design. Tilbury House, Petty France, S.W.1. | Whitehall 6322 |
| CPC | Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7. | Kensington 8161 |
| CPRE | Council for the Preservation of Rural England. 4, Hobart Place, S.W. Sloane 4280 | |
| CUJC | Coal Utilization Joint Council. 13, Grosvenor Gardens, London, S.W.1. | Victoria 1534 |
| DGW | Directorate General of Works, Ministry of Works, Lambeth Bridge House, S.E.1. | Reliance 1761 |
| DIA | Design and Industries Association. 13, Suffolk Street, S.W.1. | Whitehall 0540 |
| DOT | Department of Overseas Trade. 35, Old Queen Street, S.W.1. | Victoria 9040 |
| EC | Electricity Commission. Savoy Court, Strand, W.C.2. | Temple Bar 7565 |
| EJMA | English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1. | Regent 4448 |
| EPNS | English Place-Name Society. 7, Selwyn Gardens, Cambridge. | |
| FAS | Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1. | Sloane 2837 |
| FB 1951 | Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2. | Waterloo 1951 |
| FASSC | Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1. | Whitehall 9606 |
| FBI | Federation of British Industries. 21, Tothill Street, S.W.1. | Whitehall 6711 |
| FC | Forestry Commission. 25, Savile Row, W.1. | |
| FCMI | Federation of Coated Macadam Industries. 37, Chester Square, S.W.1. | Sloane 1002 |
| FDMA | The Flush Door Manufacturers Association Ltd. Trowell, Nottingham. | Ilkeston 623 |
| FLD | Friends of the Lake District. Pennington House, Nr. Ulverston, Lancs. | Ulverston 201 |
| FMB | Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1. | Chancery 7583 |
| FRHB | Federation of Registered House Builders. 82, New Cavendish Street, W.1. | Langham 4041 |
| FS (Eng.) | Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1. | Sloane 2837 |
| GG | Georgian Group. 27, Grosvenor Place, S.W.1. | Sloane 2844 |
| HC | Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1. | Whitehall 2881 |
| IAAS | Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1. | Sloane 3158 |
| ICE | Institution of Civil Engineers. Great George Street, S.W.1. | Whitehall 4577 |

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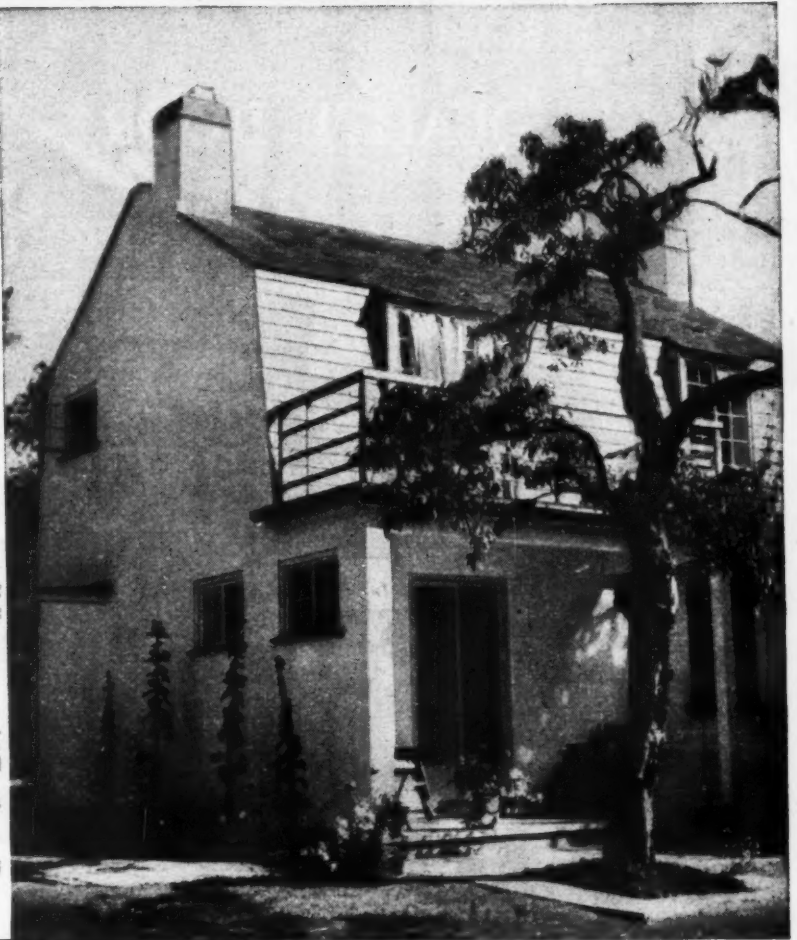
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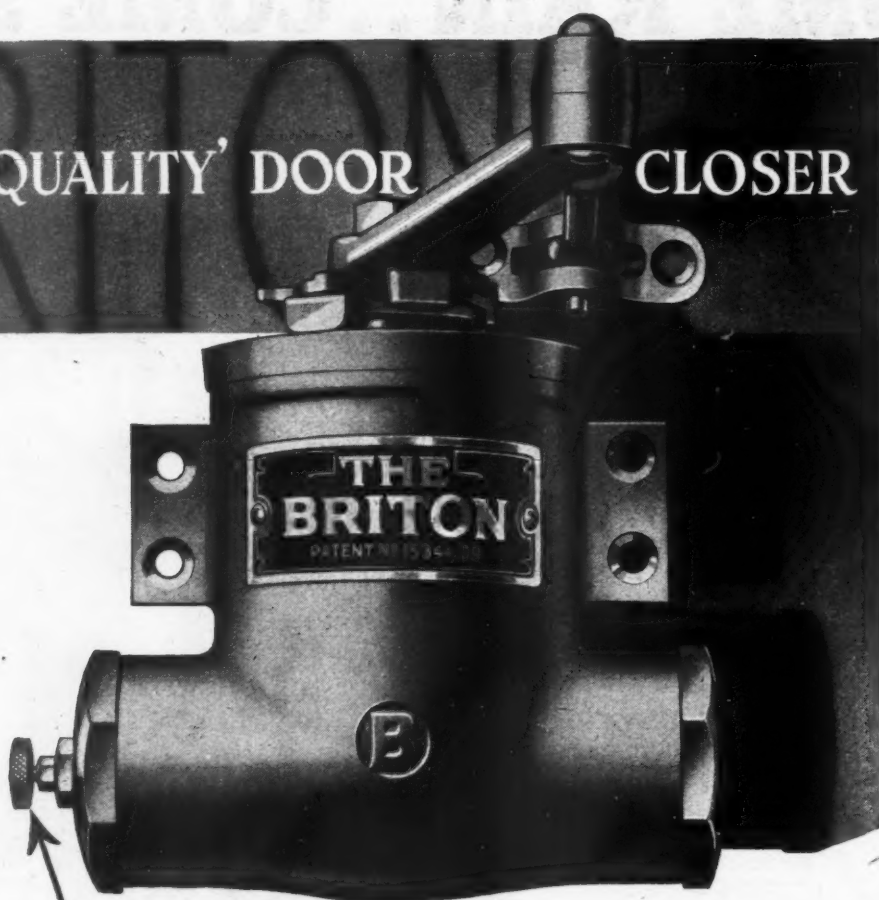
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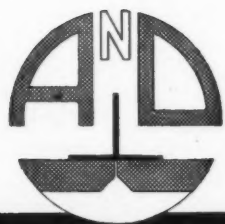
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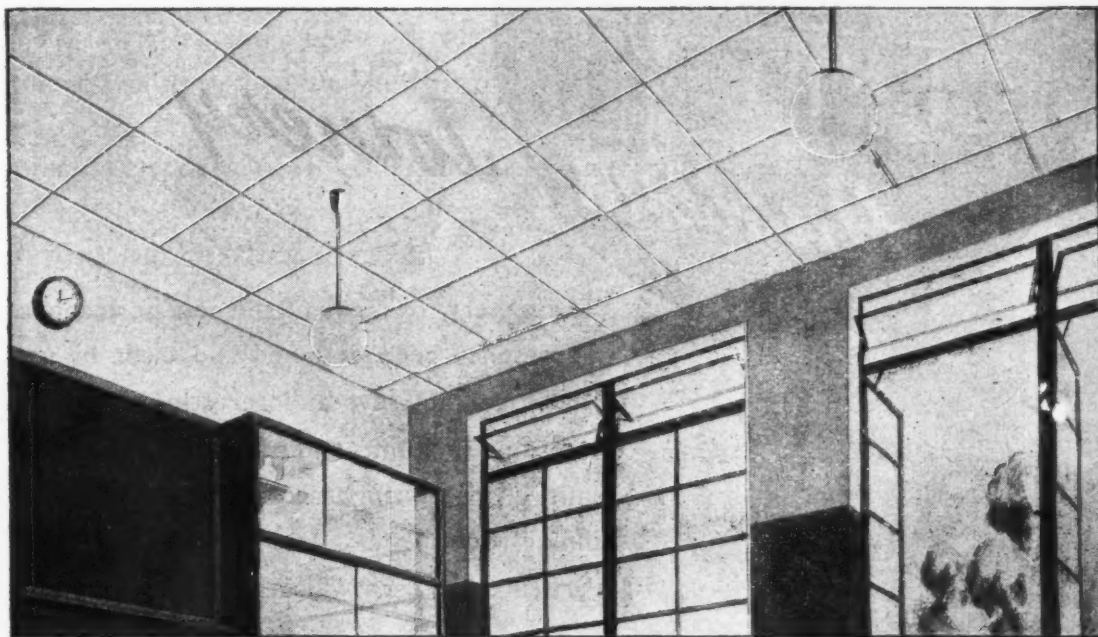
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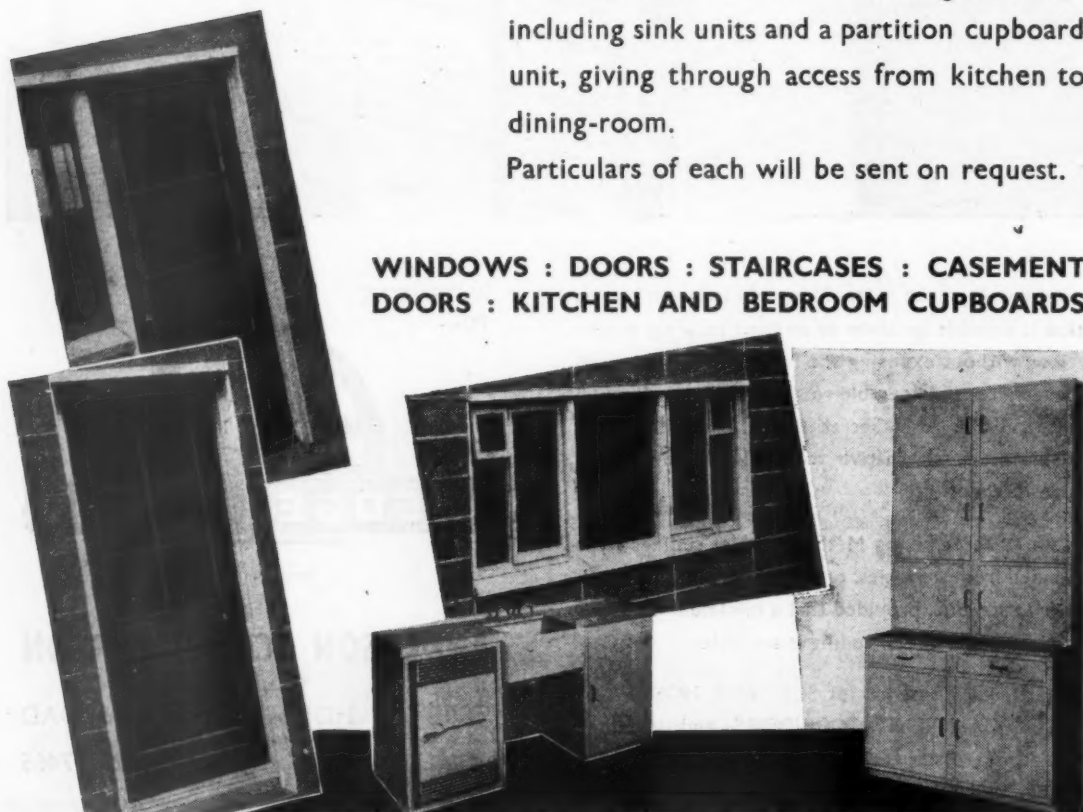


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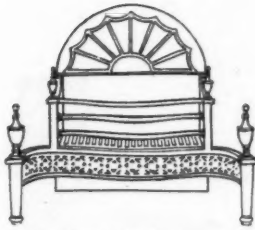


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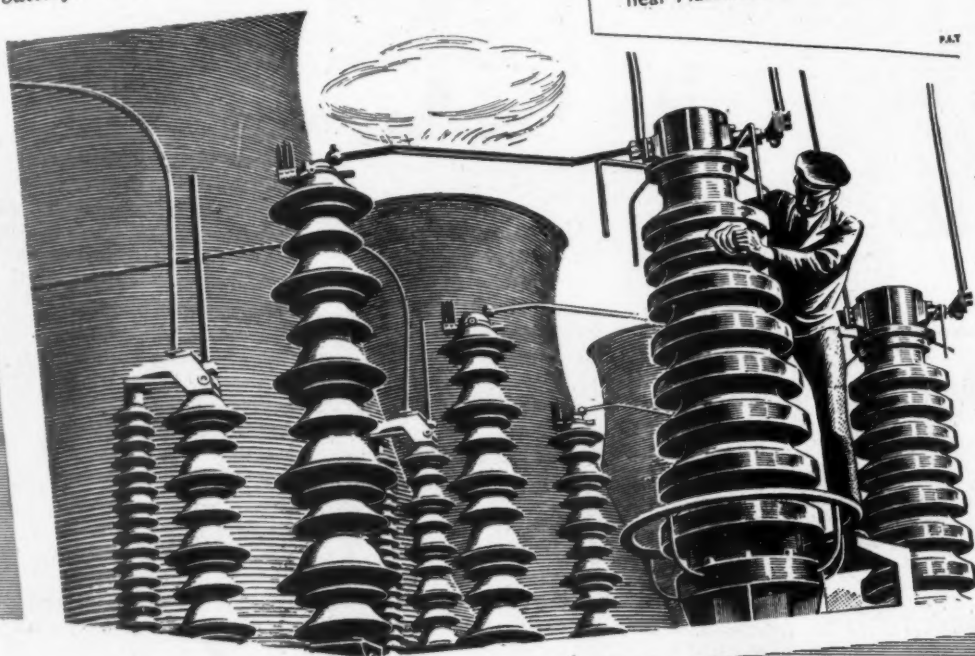


A 'Portcullis' gas fire in rustless steel with a marble fireplace.

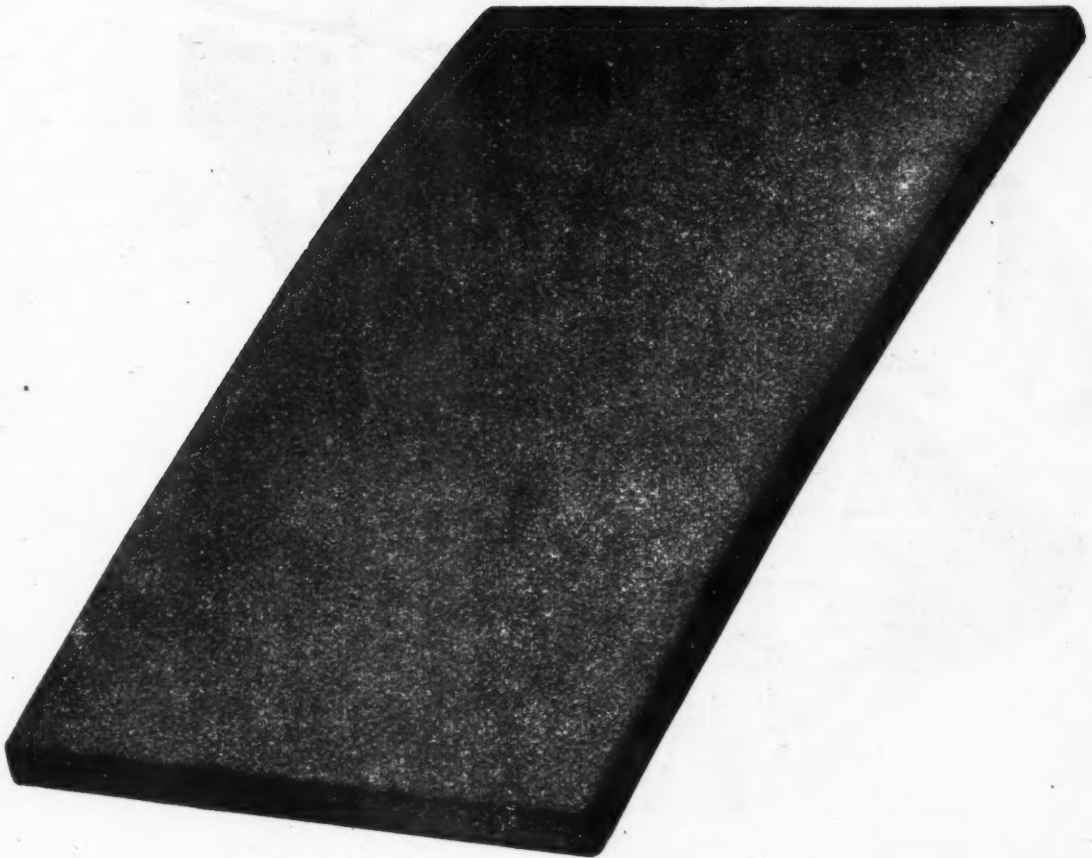
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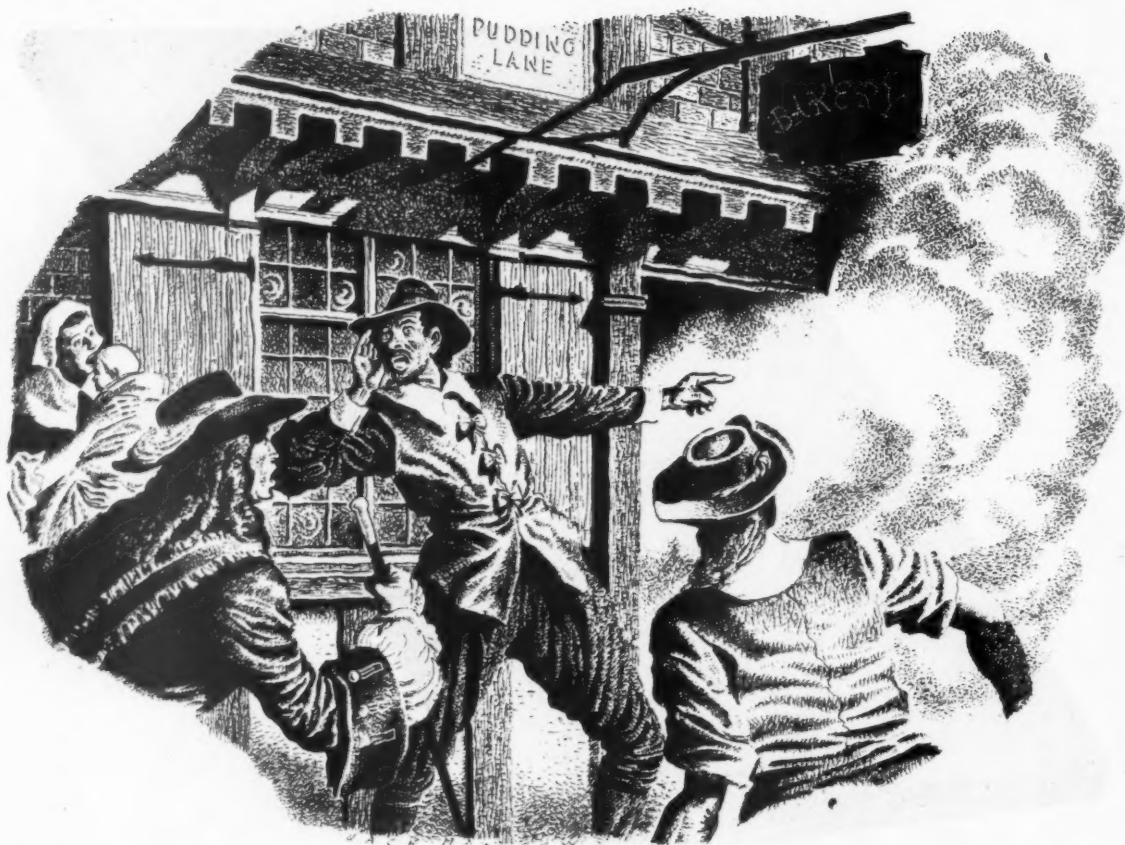


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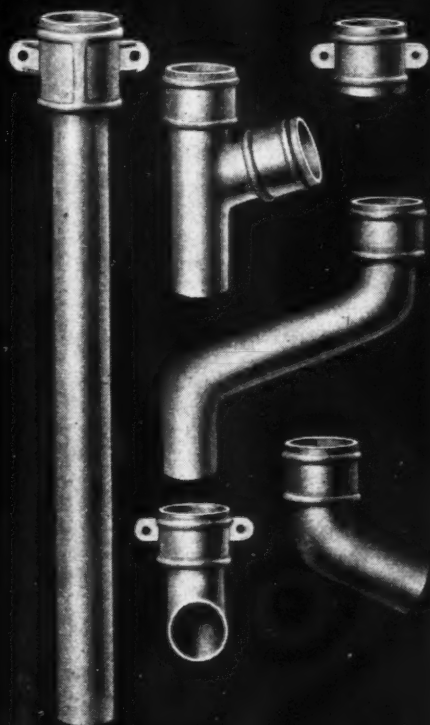
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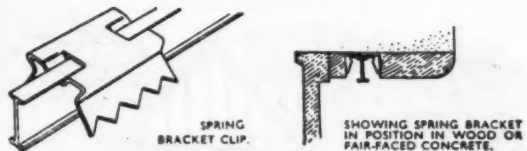
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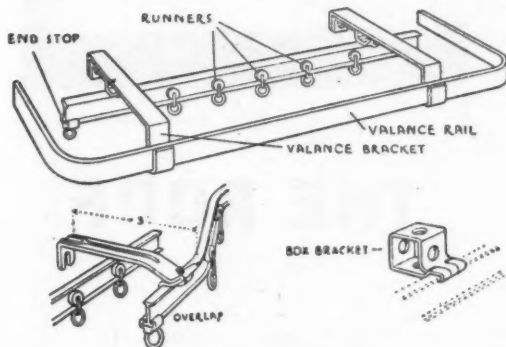
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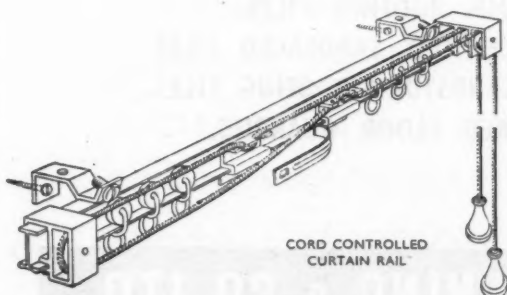
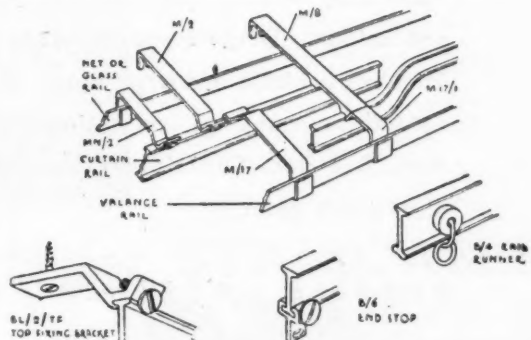


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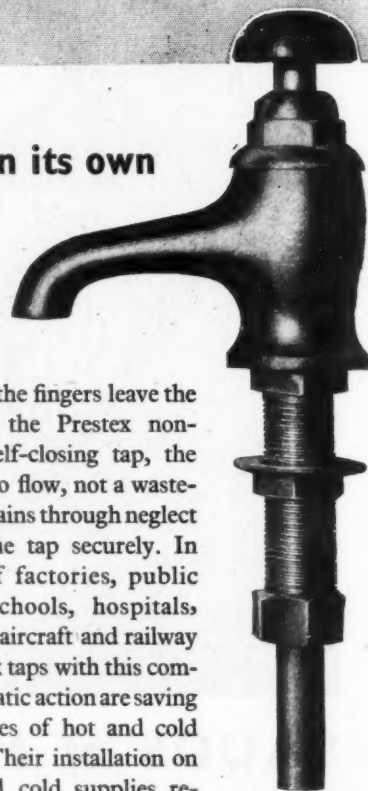


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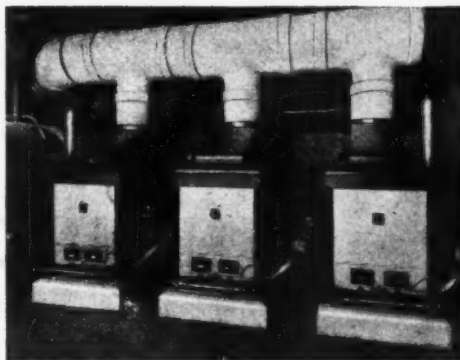
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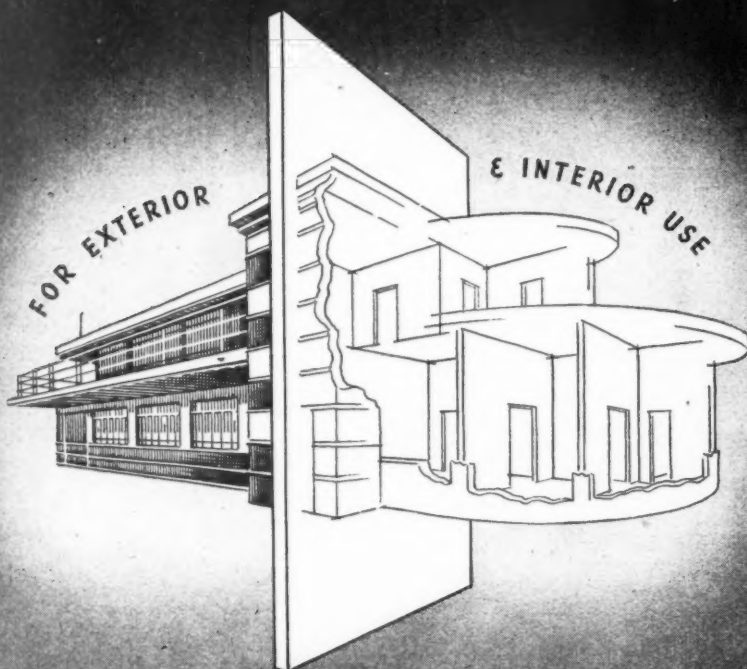


Thomas De La Rue & Co. Limited

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Reg. Office: IMPERIAL HOUSE, 84 REGENT ST., LONDON, W.1

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3258. MIDLANDS: PORTOBELLO WORKS, WARWICK.
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as denoting the supreme achievement
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British made



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Tel: CHAncery 8159.

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Members of Building Board Manufacturers Association.

TO BRITISH STANDARD 1363



CRABTREE 13 AMP UNITS
are fully described in
PUBLICATION No. 1122
(copies on application)

These Crabtree 13 amp. Units
ARE DESIGNED FOR

Maximum Efficiency

The Crabtree range of 13 amp. 250 volt 3-pin flat pin accessories—whilst fully complying with the requirements of B.S. 1363—yet possesses a number of distinctive design features.

For example, the socket-outlet and plate constitutes a single unit which can be accommodated in any box to B.S. 1299. High electrical efficiency has been achieved by using contacts of substantial size and by entirely eliminating screwed or riveted joints between the contact blades and the current-carrying leads. Excellent continuity is ensured by clamping the leads directly to the part in contact with the plug pin. There is generous space for looping, and the three pinching screws are large and easily accessible.

In the plug, an extremely low voltage drop is ensured by the unusually small number of circuit connections ; and wiring is greatly facilitated by the fitting of removable one-piece pin and tunnel-type terminal units. The fuse link, too, can be quickly and easily changed—a time saving feature that will be appreciated by wiremen and others concerned with wiring and installation.

CRABTREE

A NAME SYNONYMOUS WITH PROGRESS
IN ACCESSORIES AND SWITCHGEAR

"Crabtree" (Registered)

C.628/230 Advt. of J. A. Crabtree & Co. Ltd., Lincoln Works, Walsell, England

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DEEP & SHALLOW SEAL
COPPER TRAPS
and
WASTE FITTINGS

CONSTANT BORE THROUGHOUT
PERFECT BENDS — NO KINKS

Never join Copper to Iron
USE THE 'ECONA' INSULATING NIPPLE

ECONA MODERN PRODUCTS LIMITED
BIRMINGHAM 11

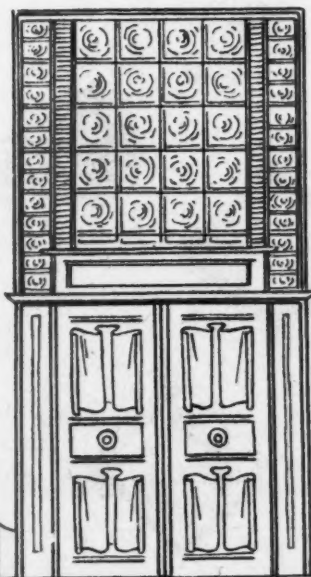
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HIGH GLOSS



ARMOUR BRAND

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PRODUCT OF A FAMOUS FOUNDRY

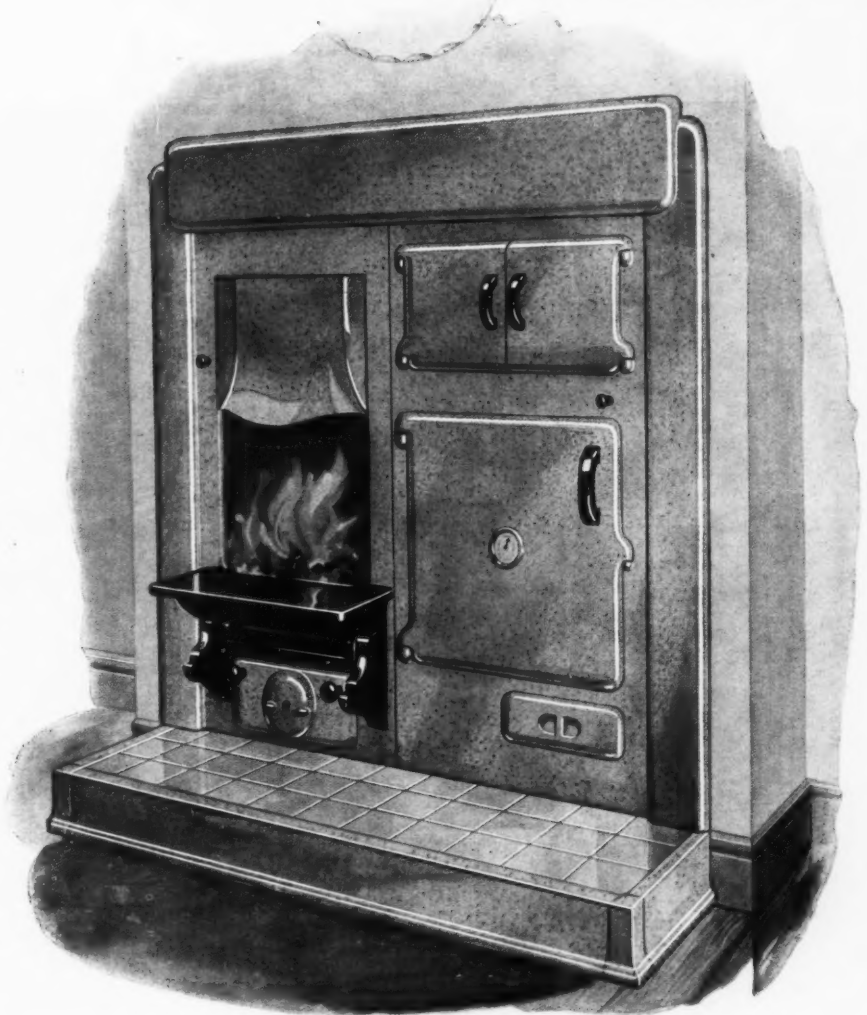
ONE efficient and economical fire provides heat for a large and uniformly heated oven, a fast boiling machine-ground hot-plate with extension hob, a hot closet and a supply of hot water for a normal family household. The fire has a closed position for slow overnight burning, and for the prevention of excessive heat emission during the summer months

SPECIFICATION :

Grate, overall size 38in. by 38in. by 14½in. Brickwork opening required, 44in. high by 40in. wide and 15in. deep.

Mantel: overall size 45½in. wide by 44½in. high.

Kerb: to suit 44in. by 12in. tile hearth. Grate supplied in mottled fawn, mottled green and black vitreous enamel. Mantel is supplied in mottled fawn, mottled brown (to tone with the mottled fawn grate), mottled green vitreous enamel or fine-cast and primed one coat. Kerb is supplied in mottled fawn, mottled green and black vitreous enamel. A bolster can be supplied to restrict heat losses from firebox in its closed position.



To satisfy modern requirements the cooker may be adjusted to stay alight overnight and is capable of giving the performance specified in B.S. 1252 1945, on both coal and anthracite. Other solid fuels, such as coke, wood, or patented fuels may be used if the cooker is not required to stay alight unattended for a very long period.

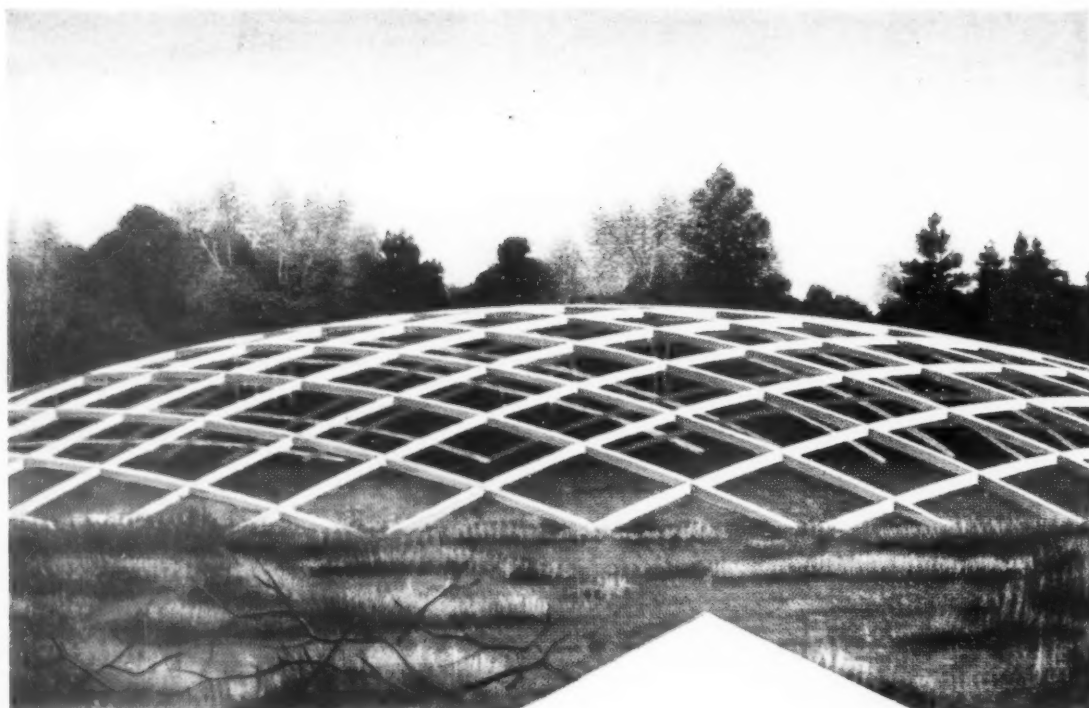
The cooker has been selected for inclusion in the Ministry of Health's approved List of improved appliances as recommended to all local authorities.

Facilitates assembly, cleaning and maintenance: The boiler and the fire-parts are designed for easy removal and replacement without disturbing the brickwork in any way. Please write for leaflet A.1.

The
GLOW-WORM
"Derwent"

COMBINATION GRATE

GLOW-WORM BOILERS LIMITED · DERWENT FOUNDRY · MILFORD N^o DERBY



HERE COMES AN
82' Dome

Just a 5 ton lorry, but it contains a domed aluminium roof 82 ft. 6 ins. in diameter. This oil storage tank roof was designed and made by the Aluminium Construction Co. Ltd. Consisting of an ingenious arrangement of interlocking square section Noral tubes covered with 16 S.W.G. Noral sheet, the complete roof is less than one sixth the weight of a comparable steel structure. In addition it will resist corrosion from the atmosphere and from oil fumes, and its high degree of reflectivity reduces losses from evaporation. Fire and explosion hazards are eliminated because the roof cannot spark. There must be many ways in which Noral alloys can help to solve your particular problems. Write to us for advice on matters of application and design.

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Broad-Acheson

(Registered Design)

vibrated cellular loadbearing

blocks

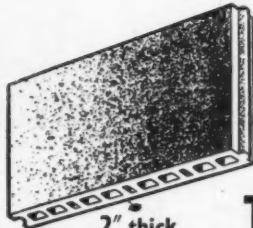
INCREASE

THERMAL INSULATION

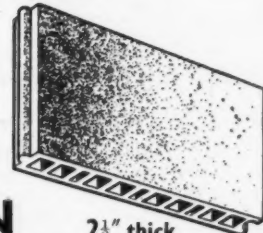
REDUCE

BUILDING COSTS

FOR INNER LEAF OF CAVITY WALLS

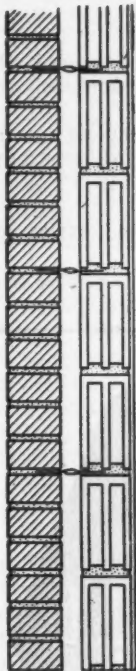


2" thick
U value (plastered both sides)
0.313



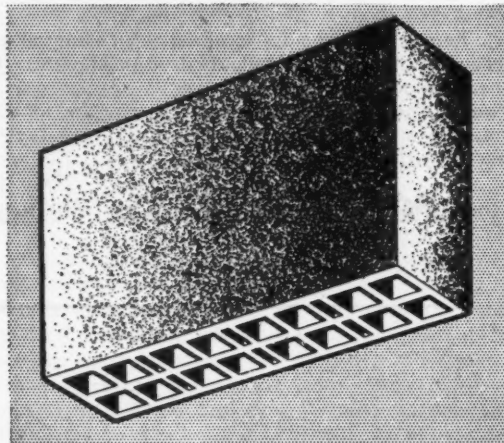
2 1/2" thick
U value (plastered both sides)
0.305

CAVITY WALL
4 1/2" brick outer leaf
4 1/2" B-A inner leaf
(unventilated)



U
value
0.170

Gross cost of erection
22.90/- per yd. super

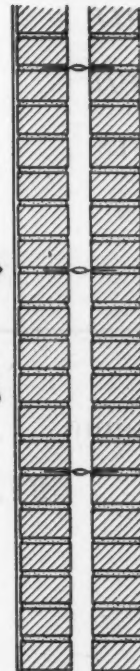


Regd. Design 858133

Extract from Housing Manual 1944

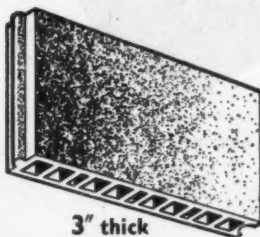
"Interest attaches to the use of a cavity wall consisting of an external leaf of brick and an inner leaf of lightweight concrete, as it provides a method of obtaining a higher value of Thermal insulation than the cavity wall consisting of two leaves of 4 1/2" brickwork. It shows moreover an appreciable saving in cost and speed of erection of walls in comparison with the all-brick cavity wall."

CAVITY WALL
4 1/2" brick outer leaf
4 1/2" brick inner leaf
(unventilated)



U
value
0.296

Gross cost of erection
24.55/- per yd. super



3" thick
U value (plastered both sides)
0.292

Extract from Post-War Building Studies No. 1
House Construction Part 1, Section 64

It is suggested that the following maximum values for heat transmission coefficients will prove economical.

In houses in which the apparatus does not allow full control over heat output.

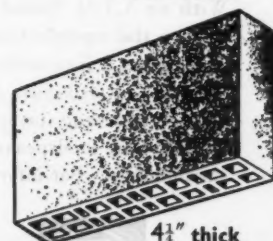
Extl. walls of living rooms . . . U not to exceed 0.20
A 4 1/2" Broad-Acheson block inner leaf in 11" cavity wall construction amply complies with the above suggestion.

. . . . U value being .170

Some interesting facts

A 3" thick Broad-Acheson block (plastered) provides thermal insulation equivalent to 18" thick solid brickwork (plastered).

A 4 1/2" thick Broad-Acheson block (plastered) provides thermal insulation equivalent to 22 1/2" thick solid brickwork or a 20" cavity brick wall (plastered).



4 1/2" thick
U value (plastered both sides)
0.202

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BROAD & CO. LTD., 4 SOUTH WHARF, PADDINGTON, W.2.

Tel: PADDington 9091 (15 lines)

Plan for
ELECTRIC
REFRIGERATION
in your
kitchen
designs



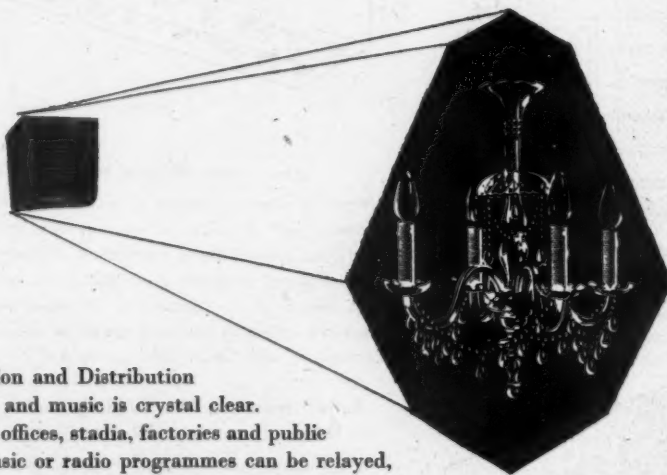
Electric Refrigeration is now accepted as an essential feature of the complete kitchen. The beautiful lines of the Kelvinator EA4 Domestic Model blend admirably with imaginative modern kitchen plans. If, however, the EA4 is not exactly what you are looking for to complete that new scheme, you are warmly invited to contact our Technicians; they will be happy to co-operate with you, on your own designs.

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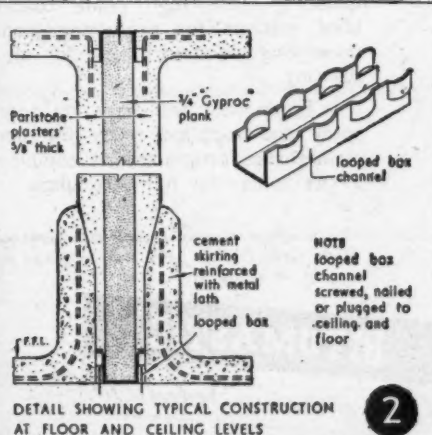
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COMMUNICATION SYSTEMS LTD., PROPRIETORS—AUTOMATIC TELEPHONE & ELECTRIC CO. LTD.

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ALSO AT: BIRMINGHAM, BRISTOL, GLASGOW, LEEDS, MANCHESTER, NEWCASTLE, ETC. STROWGER WORKS, LIVERPOOL, 7

CR.11103-AH20

The "Gyproc" 2-inch solid partition combines low cost, phenomenal strength *and high fire resistance*



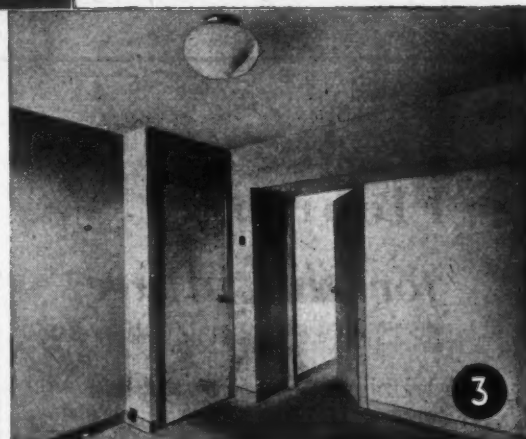
The "GYPROC" 2-inch solid partition consists of 3/4" "GYPROC" plank faced both sides with PARISTONE Plaster, making a total thickness of 2-inches. It is a low cost system because the large "GYPROC" planks are low priced themselves, and because they reduce the time required for erection compared with smaller units.

• The strength of the finished partition is due to the fact that it is solid gypsum throughout and the plaster applied in-situ acts as a stressed skin on each side of the "GYPROC" planks.

The high fire resistance results from the solid masonry construction coupled with the natural "sprinkler" action which gypsum has under fire conditions. Tested in accordance with B.S. 476 by the B.R.S., the fire rating was Grade D—that is, one hour fire resistance.

Other advantages of this partition are: adaptability, freedom from cracking, economy of floor space, average weight of only 14 lb. per square foot, Thermal Transmittance (U) 0.43, Sound Insulation (N.P.L.) 34 db.

Further particulars of this and other "GYPROC" products or systems will gladly be supplied.



The illustrations show:

- 1 Ceiling channels and floor grounds laid out to the line of the partition.
- 2 Typical fixing at ceiling and floor.
- 3 A view of a finished partition.

GYPROC PRODUCTS LIMITED

HEAD OFFICE: Westfield, Upper Singlewell Road, Gravesend, Kent.
Telephone: Gravesend 4251-4. Telegrams: Gyproc, Gravesend.

GLASGOW OFFICE: Gyproc Wharf, Shieldhall, Glasgow, S.W.1.
Telephone: Govan 2141-3. Telegrams: Gyproc, Glasgow.

LONDON OFFICE: Morris House, 1-5 Jermyn Street, London, S.W.1.
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Makers of "GYPROC" Plasterboard,
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"PLAXTELE" and "ACOUSTELE" Ceilings,
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Made in Black and in a full range of attractive Colours, these high grade coatings provide the ideal medium for protecting iron and steelwork, preserving woodwork, and for all general purpose painting.

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"BITUMASTIC"
Anti-corrosive Solutions

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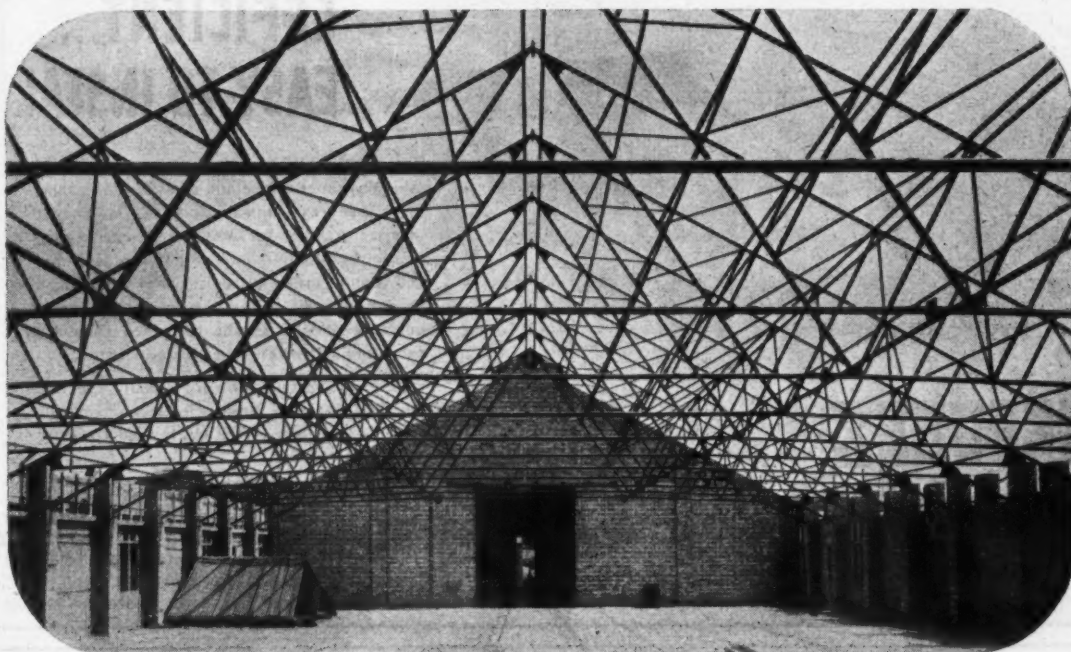
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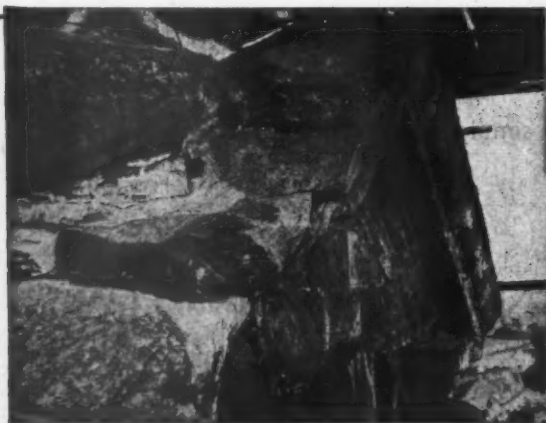
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Scientific



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W.L.2

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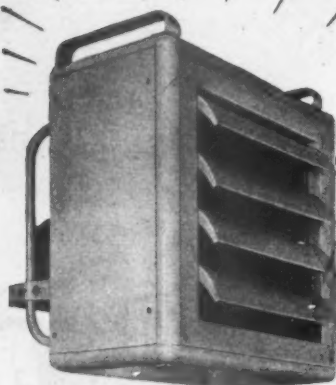
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"The cost of a heating installation may be reduced by more than the cost of providing insulation."

"The aim of this Bulletin is to ensure that no building shall be erected in the future, without consideration being given to this very important matter (i.e. insulation)."

Reproduced from the Ministry of Fuel and Power 'Fuel Efficiency Bulletin No. 12'



THE MINISTRY OF FUEL
AND POWER *Say...*

"Insulation may save more than half the fuel required to heat an un-insulated building."

UN-INSULATED buildings, particularly of corrugated iron or asbestos construction, allow high heat loss and entail greater initial "heat-up."

The importance of fuel costs and conservation, plus the comfort and well being of workers during winter months, is of a priority nature today—and many leading manufacturers (who of necessity during the war years and since have extended with un-insulated buildings) are alive to the fact, and suitable "insulation" is now in progress.

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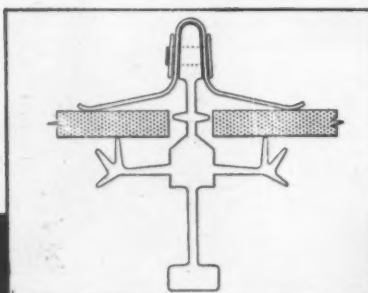
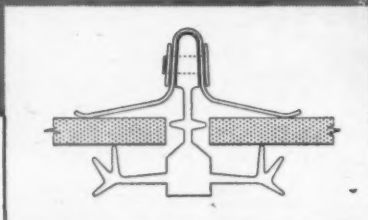
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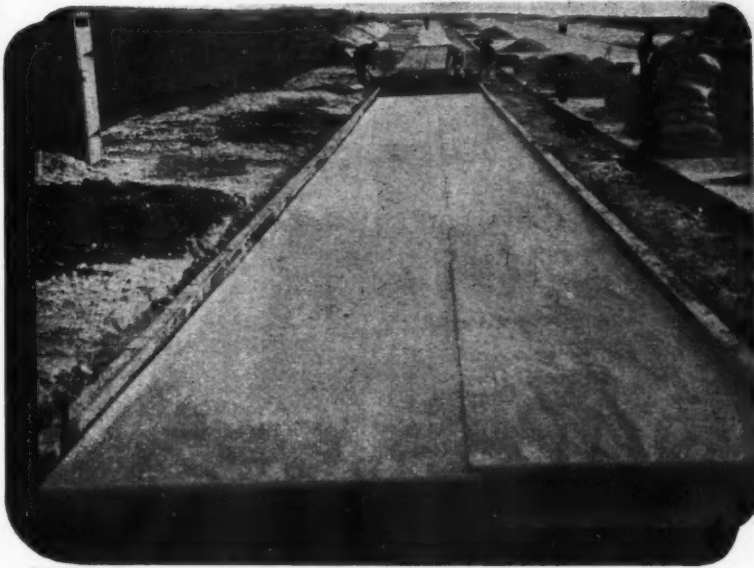
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See folder No. 116, Architects "Classifile"



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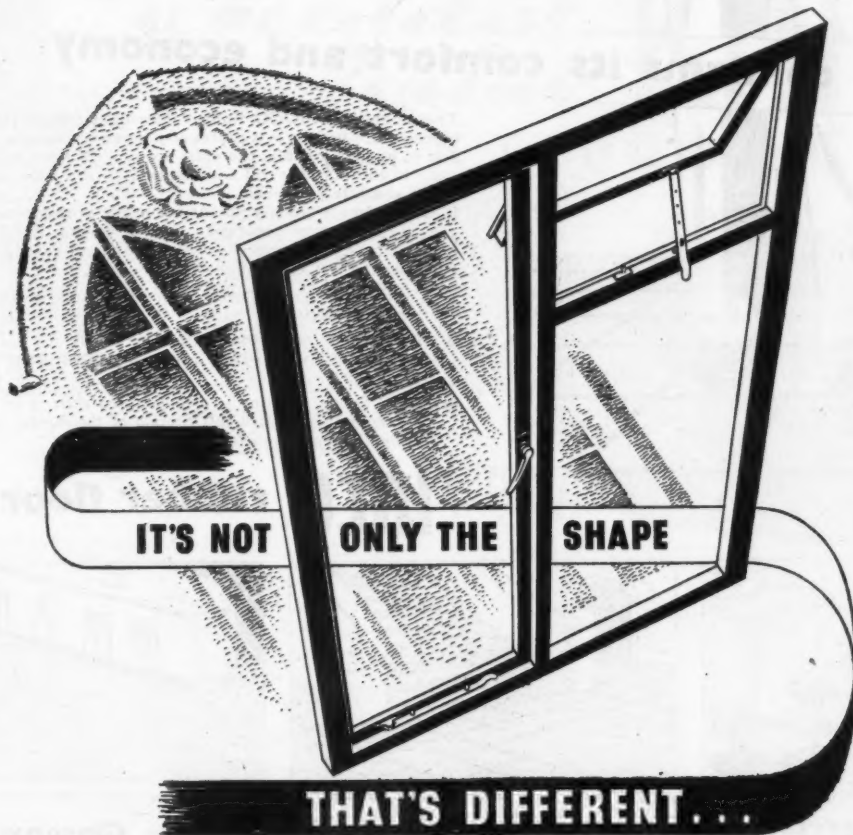
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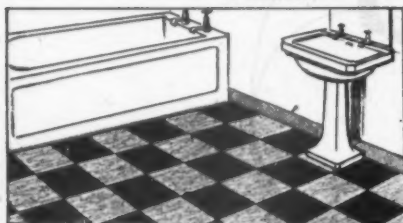


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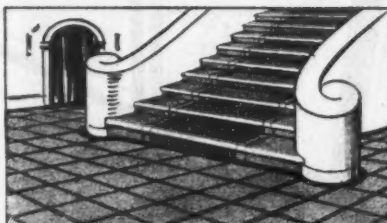
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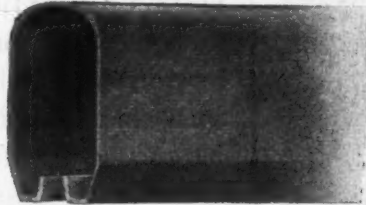
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KING

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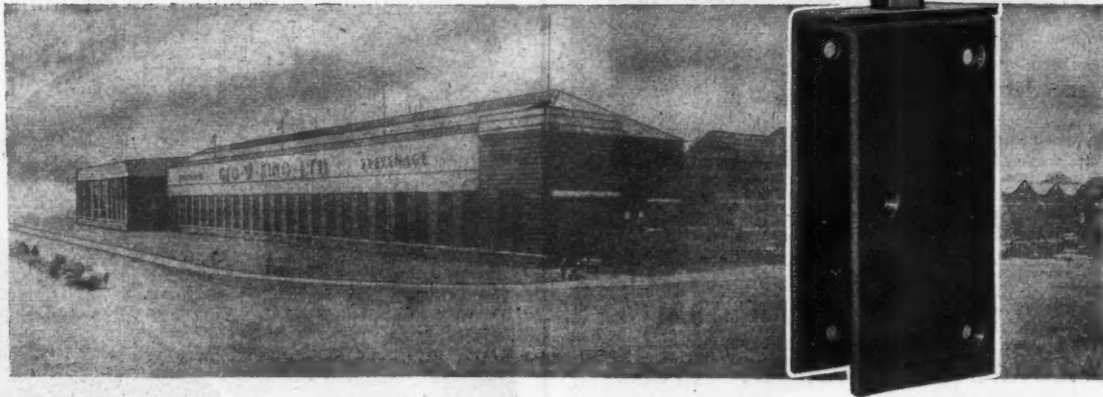
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the TRACK



and the TROLLEY



King Sliding Door Gear, both in design and performance, is the best obtainable. Fine production facilities help to make this appliance outstanding. Above photograph shows Geo. W. King's modern factory in the new satellite town of Stevenage. The buildings cover an area of over 127,000 sq. ft. and surrounding land of 75 acres has been acquired for future development. Up-to-the-minute methods and organisation ensure efficient and economical production which is reflected in the quality of King Products.

Photograph on right shows a small section of the large Machine Shop at the Stevenage factory. Up to date plant and efficient layout ensure accurate and expeditious work.



PRODUCTION

This picture shows part of the extensive Drawing Office where a team of skilled engineers is constantly working to improve every detail of King products.

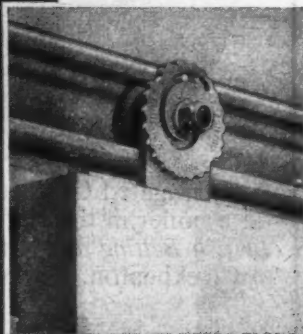
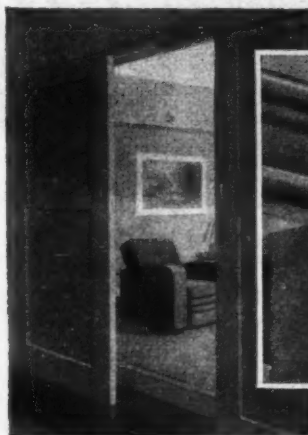


DESIGN

Photograph on right shows a corner of the Research Laboratory where a constant check is kept on all the raw materials used in the factory and a careful scrutiny made of all new materials and processes.



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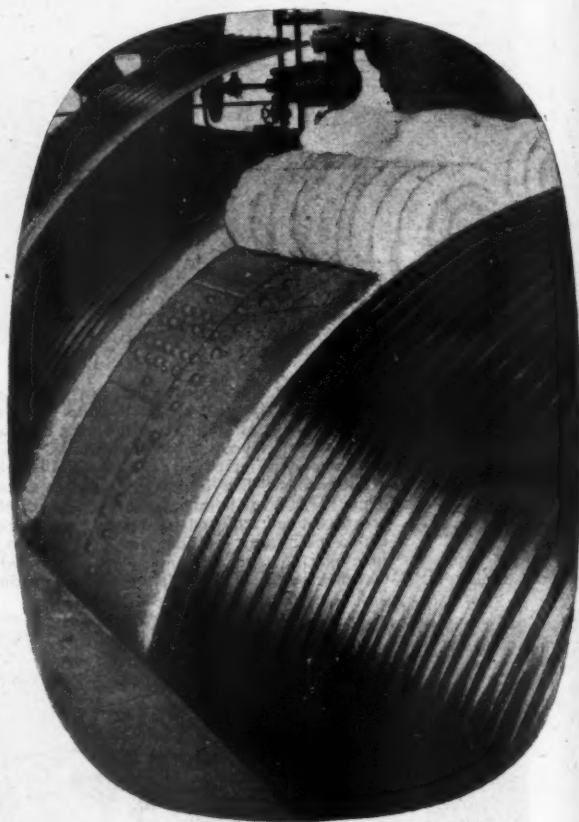
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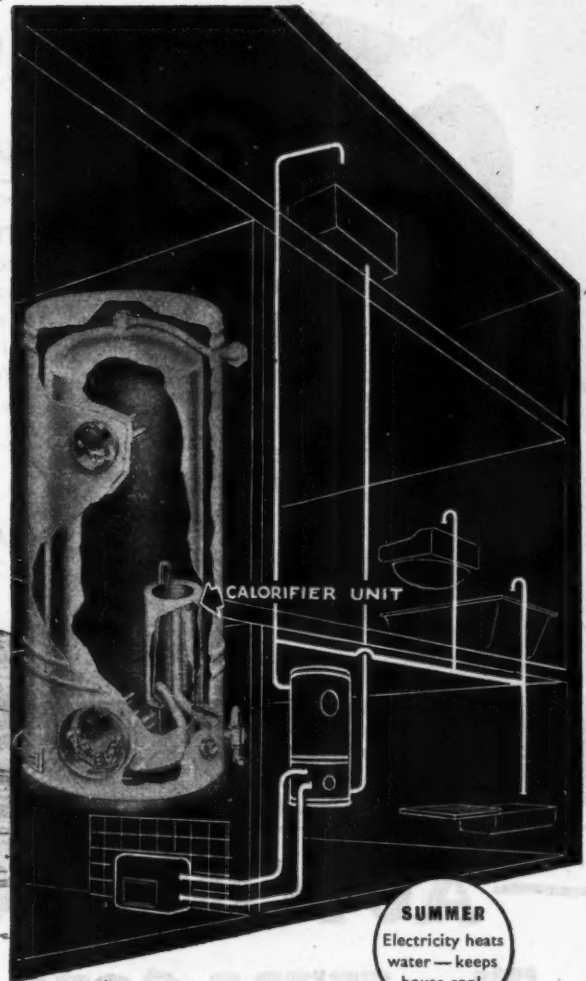
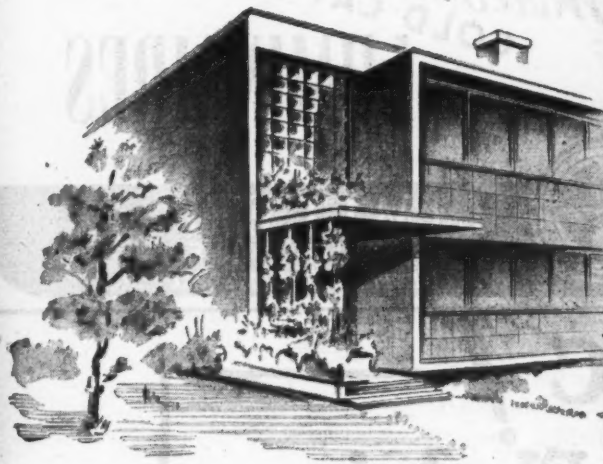
A Corrugated Construction insulation on a boiler in the works of *British Belting and Asbestos Ltd.* at Cleckheaton, Yorks, insulated by Versil Ltd.



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This coal-electric SADIA

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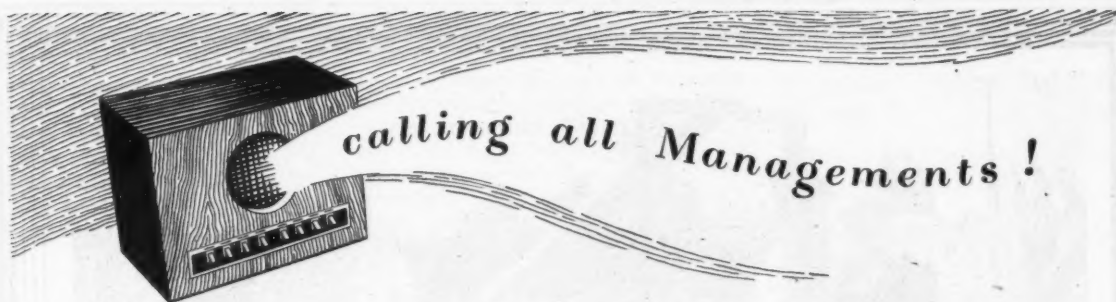
Floor space—2' 6" x 1' 3".

Write for folder giving full technical details.



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FUEL USAGE ANALYSIS

—a first step to lower prices

IT IS surprising to find—as the Ministry of Fuel and Power is constantly finding—that what could be called the “fuel component” in the costs of production of very similar products can vary enormously between one maker and another.

“Management Interest” is the secret

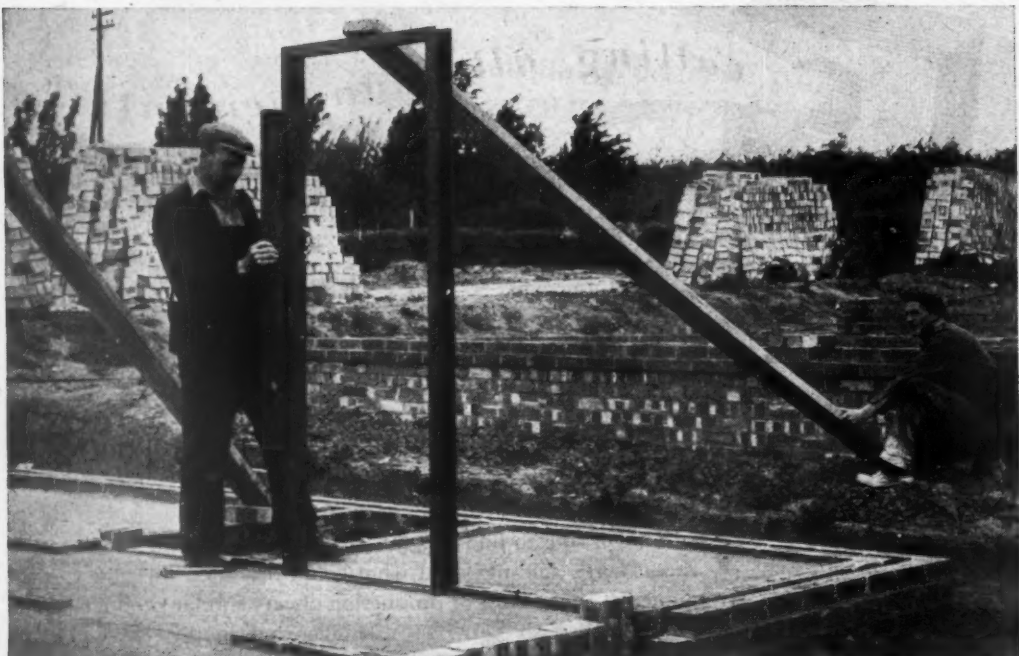
Why does one firm so often use twice as much fuel as another? Such variation is surely too great to be accounted for by differences in the process or in quantity and quality of product.

It is almost always found that efficiency starts at the top. If Management is actively interested in its usage of fuel, heat and power—if Management is constantly asking questions and listening sympathetically to its engineers' suggestions—its influence is infectious. From the Chairman's office all the way down to the coal yard, people begin to sit up and pay attention.

“Fuel Usage Analysis”—what it is and how to start it

It is not enough to know the total amount of fuel, heat and power used every day or week or month. More details should be sought and many more questions asked. How much does each department and each process use? Who is too cold and who is too warm? Would it be helpful to instal steam-meters and thermometers and other instruments—and who should be responsible for their regular calibration and maintenance?

Once Management starts asking itself questions, it will begin to achieve results. Some pertinent questions are available. Later advertisements in this series will direct you to them.



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PRESSED STEEL

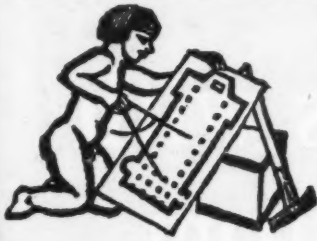
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AND ADJUSTABLE LOCK-STRIKES, READY FOR BUILDING IN

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In common with every other periodical, this JOURNAL is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then be added to the subscription list as soon as possible. Subscription rates: by post in the U.K. or abroad, £1 15s. od. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 17s. 6d. each; carriage 1s. extra.



NEWS

THURSDAY,
No. 2833

May 26, 1949
Vol. 109

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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 FIRST BRITISH INDUSTRIAL FINISHES EXHIBITION will be held at Earls Court in September 1950.

This decision was made after consultation between members of the Honorary Council, the Advisory Technical Committee and leading exhibitors. A congress on Industrial Finishing, to which technicians and executives in British industry will be invited, and at which the foremost experts on the subject will speak, will run concurrently with the exhibition.

FORTY BRITISH WORKMEN have been flown to Bermuda.

These painters, labourers, tilers, masons and plasterers are to work on a £1,500,000 contract for the renovation and redecoration of the Castle Harbour Hotel. Messrs. William Winstanley, contractors, whose firm secured the contract, have since secured further contracts for three more large hotels in Bermuda.

DIARY FOR MAY JUNE AND JULY

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.

BRADFORD. *Design Week organized by the Council of Industrial Design.* Details to be announced locally. **SEPT. 12-17**

BRIGHTON. *Health Congress. Pavilion Theatre, Corn Exchange.* (Sponsors, The Royal Sanitary Institute.) **UNTIL MAY 27**

BRISTOL. *Design Week organized by the Council of Industrial Design.* Details to be announced locally. **JUNE 13-18**

GLASGOW. *Exhibition of Industrial Architecture.* The Scottish Building Centre, 425 and 427, Sauchiehall Street. Weekdays, 9.30 a.m. to 5.30 p.m.; Wednesday evenings, 7 p.m. to 9 p.m.; Saturdays, 9.30 a.m. to 1 p.m. **UNTIL JUNE 4**

LEEDS. *Pre-stressed Concrete Exhibition.* 47-49, Briggate. (Sponsor, MOW.) Daily, 10 a.m. to 5 p.m. (except Sunday). Opening day, 12 noon to 5.30 p.m. **MAY 28-JUNE 4**

LEICESTER. *Leicester and Leicestershire Industries Exhibition and Trade Fair.* At the Granby Halls, Leicester. **UNTIL MAY 28**

LONDON. *The Royal Academy Summer Exhibition.* At Burlington House, Piccadilly, W.1. **UNTIL AUG. 7**

C. W. Gibson. *London's Housing Policy.* Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) 6.30 p.m. **MAY 26**

Building and Engineering Exhibition (Equipment and Materials). Old Horticultural Hall, Westminster, S.W.1. Daily, 9.30 a.m. to 6.30 p.m., except Sundays. **UNTIL MAY 27**

Exhibition of Packaging Materials at Murray House Exhibition Hall, Murray House, Petty France, S.W.1. (Sponsors, Institute of Packaging and Printing, in collaboration with CID.) **UNTIL MAY 31**

Exhibition of paintings by Giorgio de Chirico. Summer exhibition of Royal Society of British Artists, Suffolk Street, S.W.1. **UNTIL JUNE 11**

Open Day. Representatives of industrial organizations invited to visit National Physical Laboratory at Teddington. 2.30 p.m.-6.30 p.m. **MAY 26**

Hampstead Seen. Exhibition of plans, drawings, photographs and paintings by Hampstead artists, architects and photographers. (Sponsors, Hampstead Artists' Council.) 12 noon to 7 p.m. every day. **MAY 28-JUNE 25**

RICS. *Annual General Meeting.* 12, Great George Street, S.W.1. 5 p.m. **MAY 30**

Dr. N. Pevsner. *Balthasar Neumann.* Courtauld Institute of Art, 20, Portman Square, W.1. 5.30 p.m. **MAY 31**

RIBA Council Election Results. Charles Woodward and Sydney Redfern. *Questions and Answers in Practice.* At the RIBA, 66, Portland Place, W.1. (Sponsor, RIBA.) 6 p.m. **JUNE 21**

TPI Annual General Meeting. In the Assembly Room, Central Hall, Westminster. 5.30 p.m. **JUNE 23**

Furniture Design Conference. At the RIBA, 66, Portland Place, W.1. (Sponsor, CID.) **JULY 18-22**

Exhibition of Industrial Finishes. At Earls Court. (Sponsor, CID.) **AUG. 31-SEPT. 13**

NOTTINGHAMSHIRE. *RIBA New Schools Exhibition.* At the county branch library, West Bridgford. **UNTIL MAY 28**

British Architects' Conference. To be held at Nottingham. (Sponsor, RIBA.) **JUNE 29-JULY 2**

ROCHESTER. *Medway Industries Exhibition.* Fort Horsted. **UNTIL MAY 28**

ST. ANDREWS. *Town and Country Planning Summer School.* At the University of St. Andrews, Fife. (Sponsor, TPI.) **AUGUST 20-27**

SOUTHAMPTON. *Design Week organized by the Council of Industrial Design.* Details to be announced locally. **JULY 11-16**

COMPETITIONS

Competition for Design of Strip Carpet. The IAAS announces that this competition will be open to all architects and architectural students in the United Kingdom and the Commonwealth. It will be divided into three sections: hotels, cinemas and theatres and ships. In each section a first prize of 75 guineas and a second prize of 25 guineas will be awarded. Details will be announced later.

Design of Community Centre. The Incorporated Association of Architects and Surveyors. Details to be announced by IAAS, 75, Eaton Place, Belgrave Square, S.W.1.

Formica emerges with flying colours from the tests of Good Housekeeping Institute

The stringent character of the tests can be gathered from the following extracts from the report of the Institute notifying the award. (Report No. 1565)

PRACTICAL TESTS A sheet of Formica 4' 10" x 2' 7" was inlaid to form the working top of a table in the Institute, while another smaller sheet approximately 2' x 1' 9" was stuck to an existing wooden table top. A further sample was fitted to a sink unit to form a working surface and splash back. These were used constantly over a period of several months for general household purposes, including the preparation of food, the rolling of pastry and ironing with a blanket or sheet laid over the surface. Saucepans containing boiling liquids were also frequently placed on it. *It remained unimpaired, showing no signs of scratches, heat marks or dull patches. The working surface of the sink unit was used for draining crockery and pans on one side, and for a gas grill on the other. It was in no way impaired.*

In addition to the above general usage tests, certain specific tests were carried out to determine the resistance of FORMICA to acids, alkalis and abrasives. The standard solutions were those given in B.S.1344 for testing vitreous enamel finishes, in order to form a means of comparison for domestic working surfaces.

ACID TEST A piece of ordinary filter paper was placed on the surface and on top of this a somewhat smaller piece of filter paper. The solution at room temperature was dropped on to the paper until both pieces were saturated. After twenty minutes the paper was removed, the solution washed off and the surface

dried with a clean cloth. **RESULT.** The portion covered by the filter paper was not impaired in any way.

ALKALI TEST (Carried out along lines similar to the acid test.) **Result.** The surface was not affected.

ABRASION TEST Felspar was sprinkled over an area of approximately $\frac{1}{2}$ inch square of the test sample and then covered with a clean cloth. A 2-lb. weight, having a circular base 1 sq. inch in area was placed on the cloth over the powder and drawn by hand without additional pressure over $\frac{1}{2}$ inch travel of the FORMICA ten to twelve times to and fro. The surface was then examined for scratches. **RESULT.** No scratches were apparent.

HEAT TEST In addition to pans containing boiling liquids being stood on the FORMICA, baking tins and casseroles were placed on it, immediately on being removed from the oven, for periods of time ranging from five to fifteen minutes. **RESULT.** The intensive heat did not damage or impair the surface in any way.

General Conclusions We consider that FORMICA is ideal for working surfaces in the kitchen, being pleasing in appearance, durable and very easy to clean. In our opinion, it would also be excellent for use in the bathroom and nursery, or in any other place subjected to heavy wear.

SEAL OF GUARANTEE In view of the efficiency of FORMICA as a working surface, and its apparent durability, the Good Housekeeping Institute Seal of Guarantee is awarded.



THOMAS DE LA RUE & CO. LTD., PLASTICS DIVISION, Imperial House, Regent Street, London, W.1. Telephone: Regent 2901

From AN ARCHITECT'S Commonplace Book

PERSONALITY AND THE ARCHITECT. [From Eliel Saarinen, by Albert Christ-Janer (Cambridge University Press).] Design is the foundation upon which the structure is built; design is the grammar of art, and so Eliel Saarinen has considered it in his lifetime of work. There is no hiatus in Eliel Saarinen's work when he deals with various materials which may have to serve very different functions. "To me there must be a unity of concept here," he says; "otherwise the personality of the artist can only be fragmentary." Personality, to Eliel Saarinen, is the wellspring of all creation. Because he is concerned with personality, he is more than an architect; he is an educator. In his relation with designers, throughout the last twenty-five years, he has devoted as much thought to the quality of man as he has to the characteristics of his art. There he manifests his usual concern for penetrating to the underlying source. "It is fundamental," Eliel Saarinen observes, "that whatever forms a man brings forth through honest work, those forms will not be altogether convincing unless they are a true expression of his life—his emotions, his thoughts, and his aspirations. This art, at best, is a significant testimony of his integrity of mind and spirit, the product of his real personality. No work of art in any field can be considered a work of art unless it reveals the basic nature of the artist himself."

HOUSING STANDARDS were discussed in a recent talk by E. Maxwell Fry at the Housing Centre.

Mr. Fry said that a certain amount of saving might be effected in planning. The common form of planning divided up the flat according to the functions of the rooms. It was possible to plan a flat in which access to the bedrooms was from the living room. This was not common practice in England, but was common on the Continent, and the extent of saving might be between 3 and 4 per cent. He had not yet been able to compare on cost two plans on which his firm was working, but he thought that a plan giving access to the bedrooms from the living room through a lobby would produce a considerable saving.

Further economies might be achieved by adapting the arrangement of the kitchen and living room. The Americans had a plan whereby the kitchen opened through a hole into the living room straight on to a table. It was more the custom in America than here to live in the kitchen. The Americans had come to terms with their kitchens, whereas we had not yet managed to make ours so jolly-looking and smart.

The question of alternative means of providing heating and hot water was a vexed one. From the national point of view, the burning of coal in the open grate was wasteful. Now the use of improved heating appliances and new fuels would reduce this waste. Nevertheless, it should be cheaper to heat water at one point and push it round the building, because heat losses would then be reduced to an insignificant amount, and everyone would have a ready supply of hot water and background heat. This, however, cost about 6s. per week, which was a fixed addition to the rent. This was just another item by which people were tied to the large city or state; the means of keeping warm was out of their control. Heating became another item in the very high rent, and we had to decide whether or not we ought to load tenants with it. On the whole, he thought he was in favour of it, though he was not quite satisfied about it because it was so tied up with the freedom and life of the family.

In the matter of structural standards, there was a good deal more freedom now than formerly, and the authorities were prepared to take almost anything put up to them. Prefabrication had been swallowed almost too readily, and not enough scope was left for individuality. It was impossible to have prefabrication except on a large scale. A great deal of capital, and large factories, were required, and in order to make prefabrication economic, large numbers of similar units had to be produced to provide housing for large sections of the country. This was more than the human

spirit could bear. The manufacturers and the Government, by a *force majeure*, had gone further than had been anticipated; in other words they had swallowed prefabrication whole whereas a part would have sufficed. Even the new towns were being regarded merely as large housing schemes, and the amount of central direction was very small.

THE AESTHETICS OF ROAD LIGHTING were discussed at the annual general meeting of the IES held recently.

Monsieur Ludovic Gaymard, the President of the Association Française des Eclairagistes (the French IES) and chief engineer of the Public Lighting Department of Paris, gave an address on "Public Lighting in France" at this meeting at the RSA on May 10. He pointed out that whereas in England emphasis was placed on the efficiency of the equipment and installation as a whole, in France a main consideration was that of aesthetics. For instance, though mercury and sodium vapour discharge tubes were used extensively in this country for lighting in towns, in France these light sources were used only on main highways, the colour rendering of such lamps being objectionable in towns. In Paris, he said, pavement obstructions and unsightly lamp columns were reduced to a minimum by the fixing of lanterns on wall brackets where possible.

The awards in the annual competitions promoted by the ROYAL INCORPORATION OF ARCHITECTS IN SCOTLAND have been announced. They are as follows:

Rowland Anderson Studentships (Silver Medal and £100), Peter L. A. Williams, Glasgow School of Architecture; *Commended*, David Bain and G. S. Steedman, Edinburgh School of Architecture, R. G. Jones, Aberdeen School of Architecture, A. R. Mackenzie, Glasgow School of Architecture.

Rutland Prize, not awarded; *Hon. Mention*, Frank Sproson, Aberdeen School of Architecture; *Commended*, E. A. Meldrum and A. J. McLean, Aberdeen School of Architecture, J. M. Paton, Royal Technical College, Glasgow.

Incorporation Prize (Certificate and £15), W. A. Greig, Aberdeen School of Architecture; *Hon. Mention*, A. H. Bannerman and R. A. Taylor, Aberdeen School of

Architecture; *Commended*, Victor Marr, John L. Middleton and Stanley R. Moir, Aberdeen School of Architecture.

The Quarterly Essay Prize and the Lorimer Memorial Prize were not awarded.

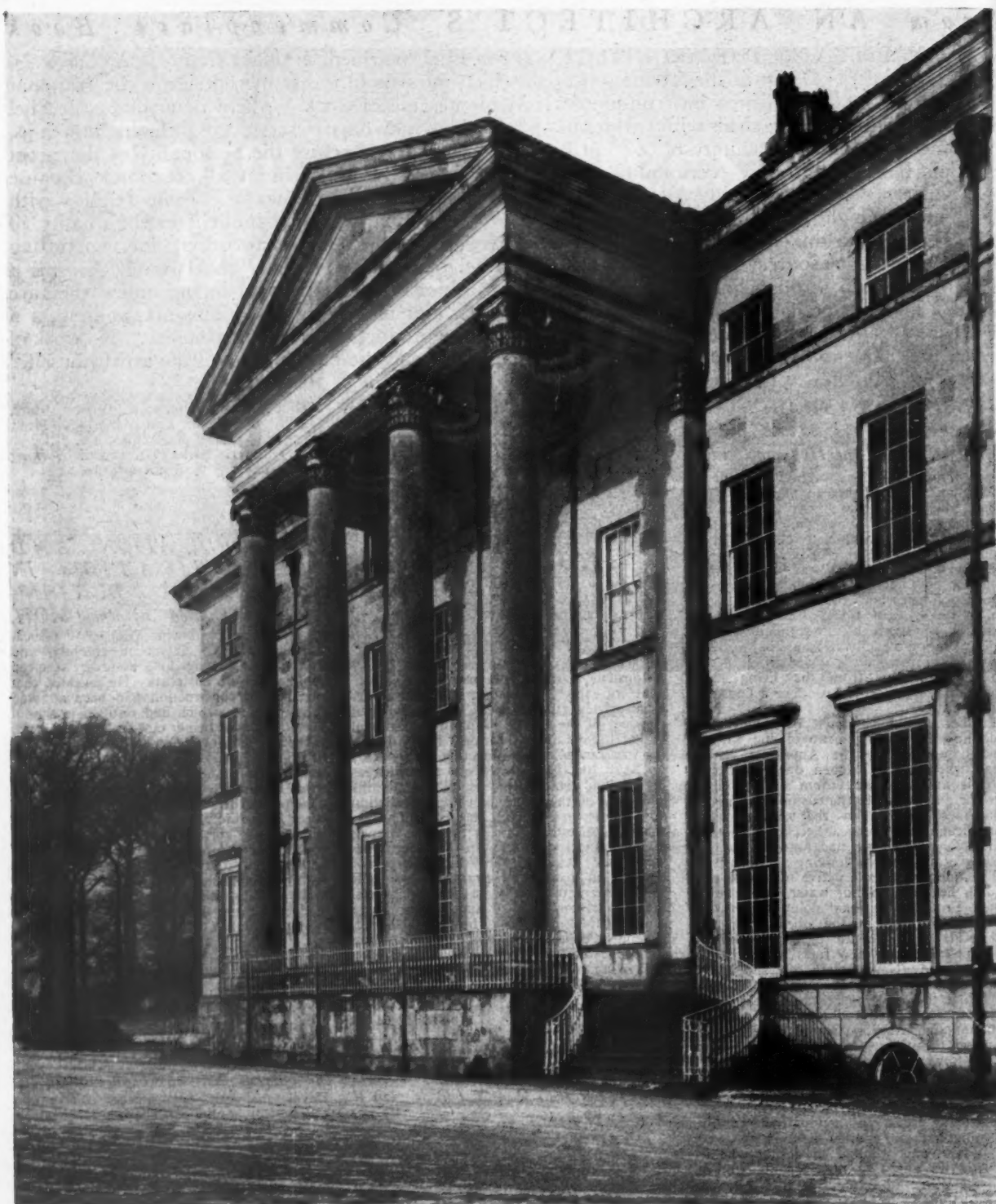
★ STANDARDIZATION AND PREFABRICATION IN EDUCATIONAL BUILDING are being studied by the MOH.

Mr. George Tomlinson, Minister of Education, speaking in Plymouth recently, said that this was being done in order to speed building and to cut costs. He revealed that methods of construction had been adopted in some areas which had resulted in school building costs being cut by 25 per cent. without impairing the efficiency or the finish of the buildings. The Ministry, he said, was out to standardize not the design of whole schools but sets of components which could be used to build a variety of types of school. If a really efficient and economical sort of "Meccano" outfit could be developed, valuable results would be obtained, first by simplifying and speeding up the technical work of preparing plans and working drawings, and secondly by saving time and labour on the building site itself.

THE POLICY OF THE METROPOLITAN PUBLIC GARDENS ASSOCIATION for the current year has been announced.

Development of open spaces for public benefit will continue. The assistance given by the Metropolitan Public Gardens Association is governed by actual need. Most attention must be given to small gardens for mothers with young children and elderly people in districts where access to parks and large public gardens is difficult. The Association has several sites of this character under consideration.

The Association welcomes the vastly increased interest by local authorities in tree planting, but regrets that the selection of varieties is not always well-judged. It states that too often forest trees are still planted in sites where full development is impossible, and the converse is often true. Small flowering trees have been used where there is ample space for such trees as the plane, and where the architectural background calls for large trees. The Association urges its members and all interested persons to apply all possible influence to secure correct planting and pruning.



Attingham House Open to the Public

Attingham House, near Shrewsbury, which was left by will to the National Trust in 1947 by the eighth Lord Berwick, was opened to the public on Tuesday, May 17. Attingham House was built in 1783-85 by George Steuart, in the neo-Grecian style then coming into vogue. The south front, seen above, with its three-storeyed centre block, tall, narrow portico and balancing side wings, connected by colonnades, stretches to a length of

nearly 400 feet. The great portico leads into the square hall, the walls of which are painted to imitate marble and decorated with panels in grisaille. Among the paintings in the picture gallery, which was added by John Nash in 1807, and in the drawing room are works by Lely, Kneller, Reynolds, Angelica Kauffmann and Lawrence. There are also pictures of the Flemish and Italian schools and some fine pieces of Italian and French furniture on view.

★★
The first CIAM INTERNATIONAL SUMMER SCHOOL of Architecture will be held in London from August 8 to September 3.

Four main subjects of study have been drawn up for the School, which will be held at the AA. These take the form of fully documented programmes based upon actual sites in London.

One programme for a new Elephant and Castle, prepared by Mr. Arthur Korn and Mr. Dan Stanton, outlines the planning implications and problems of this area, which is a vital link in the traffic system of London, but points out that its purpose is to provide a study in civic design rather than a town planning problem. Another object for study, an office building on a bombed site between Knightsbridge and Hyde Park, has been prepared by Mr. Cadbury Brown. Mr. Kenneth Capon, A.R.I.B.A., has drawn up a programme for a National Theatre in Regents Park, in which he refers to the need for a new architectural form in the theatre and suggests that the design should allow for variation in the relationship between auditorium and stage. The fourth programme, which was drawn up by Mr. Peter Shephard, A.R.I.B.A., is for housing at Parliament Hill, on the south side of Hampstead Heath.

These programmes will be issued to selected applicants so that they may work on them before the School opens. Membership is limited to forty students, half drawn from nominees of the various national groups of CIAM and half from architects of post-graduate status, resident in the British Isles.

The School will be under the direction of Mr. Maxwell Fry, with Miss Jacqueline Tyrwhitt as assistant director and members of the MARS Group as studio tutors. Prominent members of CIAM, probably including M. le Corbusier, Mr. Van Eesteren, Dr. Giedion, Dr. and Helena Syrkus and Mr. Jose Louis Sert, will give lectures.

The membership fee for the course is £5, which includes attendance at public lectures. There are still some vacancies, and application should be made by the end of this month to Mr. Dan Stanton, 34, Gordon Square, W.C.1. Applicants should state their age and qualifications and enclose evidence of their architectural ability.

NEWS IN BRIEF

Mr. C. D. Buchanan, a senior technical officer of the Ministry of Town and Country planning, and Mr. P. St. L. Lloyd, a senior civil engineer at the Ministry of Transport, are visiting Oslo at the invitation of the city's town planning department to advise on a plan for dealing with traffic at Oslo's main street junction.

Mr. John James Davies, Deputy Planning Officer in the city engineer's and surveyor's department, Liverpool, has been promoted to the post of Deputy City Planning Officer.

Mr. L. W. Hutson, formerly Director of Bricks, Ministry of Works, has been appointed a member of the Building Research Board for four years.

The Northern Ireland Minister of Education visited Bristol recently with representatives of Northern Ireland education committees, directors of education, educational architects and officials of the Ministry, to see the manufacture of components for prefabricated aluminium schools in the Bristol Aeroplane Company's factory at Weston, and to inspect an aluminium school at Bristol.

PUBLIC ARCHITECTURE AND PUBLIC OPINION

COMMENTS on LCC housing have been appearing in the JOURNAL for nearly three months, and readers who live outside the London area may have begun to feel that a great deal of space is being given to matters that do not concern them. But they would be mistaken. The current controversy concerns them vitally, because it is part and parcel of the larger question of the quality of work produced by big public offices, and because the precedent provided by the LCC in staging an exhibition of its work and inviting criticism from practising architects is a most important one.

The LCC's admirable gesture is a challenge to other public bodies to follow their example. By accepting the challenge and giving opportunities for the exchange of views between the municipal architect, the private architect and the architectural critic, they too can show that they are aware of the responsibility that rests upon them. That responsibility is immense, for a very large proportion of the building work of the country is in their hands and will be for some time. It is, moreover, the type of building work that has the closest impact on the daily lives of the people; the building of houses, hospitals and schools. The future of architecture and, to some extent, the character of the growing generation, depends therefore on the architects and planners of local authorities.

Also on them depends the architectural education of the new race of clients that new times have produced: the ordinary people of Britain and their elected representatives. In the long run it remains true that the public gets no better architecture than it deserves, and a rising standard of public architecture can only spring from an informed body of public opinion. Well informed opinion comes from discussion at all stages and from local authorities taking the public into their confidence. This is only another way of developing the same community spirit that they are trying to promote through their town planning and other activities. For the community spirit consists of something more than a group of industrial and black-coated workers dancing hand-in-hand around a communal maypole, while the local authority beams paternally from a safe distance. The authority should join the circle. And in so doing it should have two principal aims in mind. Firstly, it should keep the people informed of the housing and other architectural work it is carrying out. Then, as the basic plan for a neighbourhood or re-planned town begins to evolve into a recognizable pattern, the public will acquire some knowledge of the meaning of architecture and will form opinions that may influence the appearance of the completed pattern. Secondly, the authority should realize that architects of today are pioneers, and that whether they are sailing in the comfortable ship of State or rocking perilously in the smaller vessels of private enterprise it is essential that they should meet to determine the direction they are taking.

Above all, local authorities must realize that free discussion and criticism of a building in the planning stage is the only way to avoid a "trial and error" method of building. There is no room in the country for more architectural mistakes. We already have an abundance of monuments dedicated to bad taste and inefficiency. By keeping one eye on these, one eye on the public and both ears ready to receive the advice of their fellows in private practice, as the LCC have shown themselves willing to do, local authority architectural departments should be in a position to make a positive contribution to the many problems the post-war world has to solve.



The Architects' Journal
9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1
Phone: Whitehall 0611

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

BALLOON GOES UP IN CHELSEA

The residents of Chelsea who worked so hard to save the Georgian houses in western Cheyne Walk from destruction (see this column in February) will be able to celebrate their victory on the spot next week. For the lowbrows there will be a fun fair on vacant land just behind the very same houses, for the highbrows a Turner exhibition at Whistler's house alongside, and every kind of entertainment in between in all parts of the borough—not forgetting the Flower Show. On Saturday afternoon an intrepid French balloonist will make an ascent in front of the Duke of York's barracks.

It is all on account of Chelsea Week, which has now become an institution. But never before has it been on so varied and ambitious a scale. I have often complained of the tendency for different parts of London to let themselves become merged in the sameness of modern development; here is one Borough Council that knows the value of encouraging local patriotism.

CIAM SUMMER SCHOOL

I learn that there are still some vacancies for English students at the CIAM Summer School, which the MARS Group is organizing at the AA for the month of August, and that applications have to be in by the end of May. I should remind readers that it is to be a *post-graduate* school, but for any architects who can spare a month to become students again the time will be well spent.

Maxwell Fry is the Director of Studies, and he and his staff have already prepared four alternative programmes (which are summarized, I believe, elsewhere in this issue). They are all concerned with London sites, so that the students can study conditions on the spot, but deal with problems of wide application—like a busy city traffic centre (the Elephant and Castle) and an office block on a main street (Knightsbridge), so that the foreign students will not be at a disadvantage. Students have already enrolled, I am told, from Sweden, France, Switzerland, Italy, Poland and the Argentine, and a number of eminent foreign architects will be coming as visiting tutors and lecturers.

STUDENTS JOIN THE COLD WAR

The recent international student conference in London was a strange affair—vague and inconclusive with its generalized clichés and its undertow of half-repressed political emotion. Now some AA students have taken an unequivocal stand by publicly disassociating themselves from the main resolution passed by the conference on account of its political bias.

In two pages of foolscap the conference came broadly to the following resolution after a good deal of

haggling:—that architectural students, representing 23 countries, by coming together had made a "contribution to the progress of international co-operation and understanding between all students" (no evidence supplied), that architectural students did not want a Third World War and therefore sent greetings to the Paris Peace Congress, that architects must build today for the People and not for single individuals (LCC flats?), that architectural students must take an active part in the social life of the People in order to express it—and so on.

I don't want to seem discouraging to the idea of such conferences; the more people of different countries meet and talk together the better. But when architectural students travel so far, in their capacity as architects of the future, specifically architectural subjects should surely come first on the agenda. I wonder how much they succeeded in learning of architectural conditions in each other's countries.

THIRTY-FIVE DAYS TO GO

Unless claims for compensation for loss of development value arrive in a flood before the end of next month, it looks as though whoever thought of three hundred million as a "global sum" for distribution will have made a pretty bad guess. Sir Malcolm Trustram Eve has so far had about one hundred thousand claims (no big ones), which seem unlikely to add up to more than twenty million pounds or so.

Now, it seems to me that almost anyone owning land with frontage to a road has a *possible* claim, but I am pretty sure that many people haven't made them, partly because they don't know whether they have a claim at all, most probably because they doubt whether they will get more than a small fraction of what they ask for. And why pay fees now against a problematical return when the pay-off starts in 1953? If, as it now appears, there is some likelihood that claims may be met in full, one might suggest to one's clients that they should think again.

DANSK HYGGE

The Architectural Press has reprinted in book form, with a quantity of additional material, the special issue of the



Last week the MOW completed a demonstration suite of offices to show how working conditions can be improved by correctly applied colour schemes and well-designed furniture. The advice of BRS was obtained, and the reactions of the staff to their new environment will be studied. Above, a typist's room before, and right, after redecoration. See Astragal's comment.



Architectural Review for November last on *The Architecture of Denmark*. It is a bargain at 12s. 6d. because it cheers one with the thought that, although there is something rotten in the state of the world, all may not yet be lost while a small part of it can still create charming, human and characterful buildings.

As you can see from such illustrated examples as Moller, Fisker and Stegmann's university, Jacobsen and Moeller's town hall, both at Aarhus, Juhl's delightful little house at Ordrup and Hansen's beautifully composed factory at Aalborg, the Danes have their own definite national expression. This, curiously, seems to be nearer in character to that of the Swiss than to that of the Swedes. It appears more certain of itself, less self-conscious, less worried, easier.

Climate may have something to do with it, for the Danish weather is mild. Moreover, the jovial Danes are, on the one hand, farmers and therefore shrewd, practical and conservative, and on the other hand, sailors and therefore adventurers and collectors of the exotic. They have thus accepted functionalism without having become obsessed by it. As Mr. G. Anthony Atkinson writes in one of the chapters of the book, "the national conservatism did not permit the erection of many 'abstract' buildings in which structure alone is dramatized. The Danes ask of architects another quality in their buildings, a quality

they call "hygge"—an air of comfort, of being at ease." (It may, incidentally, be significant that there are no quantity surveyors in Denmark and few general contractors, work being priced and contracted for by trades, so that the architect dominates the job.)

The architecture which has resulted, Mr. Atkinson tells us, has been called "narrative functionalism." It admits that a building has a psychological function as well as a physical function to perform. Human quality is added by the use of materials which age gracefully and by bringing Nature right up to and into the building.

What I now have to ask is: do we have to ask now for Narrative Functionalism? Isn't New Empiricism enough, or may we just say simply, "More Hygge, please"?

SIA SUMMER SCHOOL

"To explore the common frontiers of art and science, to investigate the fundamentals of shape, colour and pattern and our reactions to them." This was the all-embracing title that led half a hundred enthusiastic members of the SIA to spend a sunny week-end confined in the cold dark lecture room of Wyatt's Gothic Revival, Ashridge Park. Two architects, a reader in crystallography, a member of the Goethean Science Foundation, a technologist and an art historian all did their respective bits of exploring and investigating and the audience dutifully stared, listened,

questioned and aped the guinea-pig for a series of experiments to discover if the shapes that I like are the same, or nearly so, as you like.

The maddeningly superior air of my informant on this SIA Summer School suggests that there is a great deal to be said for an occasional exchange of views between the Arts and Sciences, if only to break down, however fleetingly, the rapidly growing barriers of specialization. Even amongst an audience so well versed in the Arts as the SIA, it was, apparently, fairly obvious that there were not many "common frontiers" for architect and artist and even less for artist and scientist. On two things, however, I suggest none could fail to agree, and those were the beauty of the park and gardens and the adequacy of Wyatt's role.

WHITEHALL GOES COLOUR CONSCIOUS

Congratulations to the MOW on giving their architects the opportunity, in collaboration with BRS, to experiment with original colour schemes and specially designed furniture for government offices. The photographs above show the excellent effect achieved, even allowing for the fact that the finished room will never be so tidy again.

Visitors to County Hall and other government offices will agree with me in hoping that all will follow a similar enlightened course and clean up the dreary surroundings under which so many civil servants work.

ASTRAGAL

LCC HOUSING

Below is printed a further selection of architects' opinions on the work of the LCC Housing Department. They have been sent in response to the LCC's invitation and are based on the exhibition the LCC arranged at County Hall following severe criticism of post-war LCC housing on the radio, in the JOURNAL and elsewhere. The JOURNAL accepted the LCC's challenge to publish the profession's opinions on its work.

Maxwell Fry and Jane Drew,

FF.R.I.B.A.:

London County Council housing design is out of touch with its time. The exhibition of drawings and photographs drawn from pre-war and post-war work of the Council makes this abundantly clear, and the criticism is as true of its "cottage" estates as of its flats.

It is a severe criticism to make of a body that serves this lively metropolis in so important a matter, but I think that when its work is set against what has been achieved by architects in the world at large, its truth must be admitted, and knowing the resources of architectural talent available to so large an undertaking as the LCC, the reason for it must be in the organization of its architectural staff and in the attitude towards architecture of the Council and its officers.

The character of work exhibited was fixed many years ago in adaptation of Georgian architecture to multi-storey flatted dwellings, using large double hung sash windows in walls of good brick, surmounted by high-pitched tile roofs, very well done in a way that Lutyens made popular, careful, decent, sombre and architectural.

The "cottage" estates are to a pattern that is a degeneration from Unwin's original idea. They are garden suburbs with second thoughts about shopping and cultural centres.

Over a very considerable period these characters have changed very little, and not necessarily for the good, because when they were first propounded they were believed in by their creators and now they cannot be.

The strength and survival of any art rests upon its contact with the moving forces of the life it springs from, its creators aware of the currents of thought animating activities in spheres beyond those in which their work lies. Thus architecture that fails to reflect what has taken place in medical science, in sociology, in engineering and industrial technique has shut itself off from human activities of great importance in the formation of contemporary culture, and is to this extent dumb.

Though the LCC must have access to the best technical knowledge, it has, for reasons unknown to us, stifled the capacity of its ghost architects to use their powers of observation and feeling in the creation of contemporary housing, and as a result it has little of value to say to us.

Most of the drawings were signed by the Valuer to the Council, who, nevertheless, could not have been, and certainly should not have been, personally, the author of them, and this but added to the impression this exhibition gave me of life stifled and deadened by organization.

It is in the highest degree desirable that London housing should be the best of its kind, lively and significant. It does not matter whether it is built of brick or reinforced concrete, but it should be alive and contemporary, its buildings and its layout plans of a piece, its details human and functional. It could be all these if architects who make it are free to think and

select and are given the acknowledgment that connects them with their professional fellows and we with them.

Raglan Squire, A.R.I.B.A. (of Arcon):

The LCC have invited criticism, and it is only right that architects should say what they think. It cannot be denied that a visit to the County Hall exhibition must depress anyone who cares about architecture. The projects shown are monotonous in layout, the plans are stereotyped, and the elevations would not pass a fifth year "crit" at any of the advanced schools of architecture in the country. Why is this?

First, the maximum height limitations under the planning control are taken far too literally. If five storeys are allowed, then acres of five-storey blocks are proposed without any mingling of three-storey flats or terrace housing, or even an occasional group of single houses to break the monotony.

Secondly, the LCC is hamstrung by its own Building Act. Given a height limitation of five or six storeys and a thorough interpretation of the Building Act, there is no other answer possible except the load-bearing brick walls and thick piers between the windows of the buildings shown at the County Hall exhibition.

Thirdly, the approach to the internal planning of the flats is far too conservative.

Fourthly, there is not the slightest sign of any desire whatsoever to experiment. It is disheartening that, while the Building Research Station grows larger and larger and the investigations into building science take up more and more public and private time and money, the results of these researches and experiments appear to be ignored by the largest building authority in the country.

Fifthly, a point which I would like to put in the form of a question: Has anybody really enjoyed working on the drawings exhibited? I suspect not.

The Times:

It is a praiseworthy move on the part of the Council to arrange a comprehensive exhibition so that the designs that have been criticized can be studied with proper thoroughness. The result can only confirm that there is room for much improvement in the layout of LCC housing estates, in the design of the exteriors of the blocks of flats, and in the detailing and choice of materials.

R. Furneaux Jordan, F.R.I.B.A.:

The London Council is probably the largest housing authority in the world; its work must be judged on a plane both international and historical. In inviting criticism it has, for the first time, made criticism legally free, as it already is for literature, music and drama. That it is the moral duty of the LCC to seek public criticism of public work need not lessen our respect for a fine gesture that need never have been made.

The nobility of the gesture is a guarantee, if such a guarantee had been wanted, that any retaliation or revenge upon the severe critic can be ruled out as unthinkable from so large and impersonal a body as the County Council. It is known, and it should be known that many distinguished architects—while privately admitting that the work under discussion is deplorable—have not done their public duty to London because they might be "involved." That, apart from being regrettable, is a gross misreading of the situation. LCC housing has been attacked and the LCC have invited criticism—presumably to test the validity of the attack. Polite platitudes from elderly academicians are not wanted, least of all by the LCC.

The LCC is capable of great achievement in architecture. The new concert hall may have for 1951 the symbolic significance that the Crystal Palace had for 1851; the County of London Plan is an historic document of international importance.

The housing of London—at least after the war—was one of those vast problems that should have been seen in the whole social, technical and aesthetic perspective of its time. We live in a confusing age, and it is not easy for a Valuer to work out a basic philosophy for a vast concept. After all, there are not many precedents, but then he who controls LCC housing must not look for precedents, he must create them. He must create them out of the social content of his problem, through the instrument of the finest available techniques of a scientific age. The Valuer may, for all I know, have done his work excellently as a valuer; he should have been a "back room boy" for some great engineer-artist combine. There might then have been less "art" and rather more genuine economy to the ultimate benefit of the tenant.

There seems little point in a prolonged factual criticism, it is the "set-up" that is wrong. And it is, of course, the wrong "set-up" that has produced such desperately wrong "art." The Valuer—for all that one can see to the contrary—tosses a coin to decide between "Georgian" roofs and flat roofs; if it comes down tails the details are streamlined a little more, and that's "modern." As simple as that! Except, as at Dorset Road, for example, when middle period Dudok towers break the Georgian skyline, and heads and tails get a little mixed. Or Woodberry Down! (Not Nos. 40 to 48). At Woodberry Down the flats in the lower half of the building have balconies on one elevation, the flats in the upper half have them on the other; the roof is flat, but the cornice is a pretty full-blooded affair—architrave, frieze and cornice to be correct—with the windows of the top floor punctuating the frieze-like metopes. The Valuer should leave such *tours de force* to Sansovino, who did them better.

That "style" should emerge from structure is altogether unrealized, let alone that basic structural economics and standardization of structure might in themselves lead to a "style." The economics thus effected might at least give us two more inches in the 4 ft. 8 in. bathroom, or have spared us the corner rooms lit down a recess so deep as to be virtually a corridor!

The "cottage housing" I like less. Three brick houses alternating with two in rough-cast is too naïve a recipe for avoiding monotony. The colour of material can give unity; variety is better achieved through form and grouping. I recommend to the Valuer a well-known work by Sir Raymond Unwin which will give some useful tips on how to place cottages at road junctions—elementary but useful.

In conclusion, I have no wish to sneer. I went to County Hall expecting to see bad housing and I saw what I expected, but it was not worse than I expected. I am grateful for having been given an opportunity to do my duty as a citizen of a city that is not always mean.

M. Hartland Thomas, F.R.I.B.A.:

There are some glimmerings of a feeling for architectural expression in the later designs, but the basic problem of designing monster blocks of dwellings has eluded their designers.

I say that the problem has eluded them, because they seem to be unaware that there is this problem of scale when you are agglomerating a multitude of separate dwellings into gigantic slabs of building. Such blocks have no social or civic business to look large and imposing. They need to come down to the scale of the human individual or family and to look nice and friendly.

Now please don't reach for the frilly bits. You won't bring it off that way.

The Architect and Building News:

After visiting the LCC exhibition of housing schemes arranged for architects in the conference room at County Hall, I still found myself in agreement with Mr. J. M. Richards. I saw nothing in the exhibition which altered my view that in general LCC layouts are dull, that LCC housing architecture is unimaginative, and that its detailing is coarse. If the Leader of the LCC is unable to see that this is a fair criticism, it is unfortunate, and the only hope is that every architect who feels as I do will not only visit the exhibition but will—and this is vital—record his criticisms on the form provided.

It is useless for the LCC to plead financial restrictions and shortages of materials when many metropolitan boroughs, working to precisely the same set of conditions, are producing good housing which is also good architecture.

Mr. Richards is very much to be congratulated on the stand he has made. So far, in the eyes of the LCC, he has stood alone, and unless those, and their numbers are believed to be large, who agree with him speak up, the LCC will assume that their housing architecture is generally approved by the profession, and that would be disastrous.

Bryan Westwood, A.R.I.B.A.:

In availing myself of the opportunity offered for criticism of the LCC flats the drawings of which are at present on exhibition, I must make it clear that my remarks are not concerned with the detailed accommodation, which I trust one can accept as being in accordance with current practice. While it is realized that the cost of sites is so high that each one must be developed to the maximum and that the architect's scope is correspondingly reduced, in general I found the designs dull and heavy to a depressing degree. Imagination was lacking both in site utilization and in elevational treatment.

I can only surmise that perhaps large-scale, specialized organization is to blame as being quite unsuited to the job of planning buildings of such an intimate character as homes. (These barrack-like blocks would require as great a stretch of imagination to be called "homes" as their arid surroundings to be fairly termed "gardens.") On reflection, it seems unlikely that a department continually engaged upon the design of working class flats will continue to approach each new site with the same enthusiasm as an architect who only comparatively rarely is called upon to do similar work.

The many ideas arising from other types of buildings are denied to the specialist and may be a factor making for dullness. I have raised these controversial points because it seemed to me that each new site merely posed the question: "Which of our types can be made to fit these irregularities?" Most of these schemes are so large that surely "types" could be forgotten

altogether, and it should not be too much to ask that each one should be considered entirely on its own merits.

If this were done, perhaps at least some of the horrid little irregular, but nevertheless straight-sided, areas marked "children's playground" might become real playgrounds and the orientation of the rooms in the flats might receive far greater attention.

At the exhibition of drawings one looked in vain for the sensitive approach, or even crudity carried out with enthusiasm. These buildings, representing such a large proportion of London's building effort, seemed utterly devoid of that spark which could turn flats into homes or mere building into architecture.

Edmund Ward, A.R.I.B.A.:

You have invited me to comment on the architectural merit of the work of the LCC's Housing Department. This is very difficult, as I can find no evidence from the drawings on view at the County Hall that the anonymous staff who produced them had any opportunity of attempting to practise the art of architecture.

The plans and elevations displayed, reminiscent of plates in an Edwardian treatise on building construction, testify to their

Several architects have expressed reluctance to accept the LCC's invitation to criticize their housing because they are themselves doing work for the LCC. The JOURNAL has obtained an official assurance from County Hall that such connections should not deter architects from giving their opinions of the work shown at the exhibition, and that any criticism they may make will in no way prejudice their relations with the LCC.

authors' industry and meticulous patience, but not, unfortunately, to their imagination or vision.

The prevailing impression is that the LCC have decided to go "moderne," with here and there a backward glance at LCC Georgian or pre-war speculators' by-pass.

Why should this be so, when the same authority has produced the concert hall on the South Bank?

Obsolete bye-laws cannot be responsible, as borough councils within the London area are producing progressive work.

Is not the answer that something is wrong with the organization of the department under the District Valuer?

W. H. Groves, A.R.I.B.A.:

In response to your request for comments on the above, may I give the following:—

Before beginning to criticize, I feel we must first give credit to the LCC for tackling a difficult job under unfavourable conditions and under both public pressure and political stunts calling for more dwellings. These conditions are not conducive to good architecture, but rather likely to produce "buildings."

My impression of the exhibits is that their

architecture is not contemporary. It may have "modern" elements in it, but are they "contemporary modern"? I think not, on the whole. As a recently qualified architect I cannot remember any of my fellow-students, even pre-war, designing dwellings in the 1935 Institutional-Modern-Fire-station-Civic style (or was it 1930?) The heavy Germanic impression of solid box balconies applied to small, almost Georgian, windows, and the insistence on regarding flats as a bundle of houses to be topped by an appropriate house roof and etceteras, does not produce a happy elevation, nor is the fenestration always happy with the rooms behind it on plan. It seems that there has been a reluctance to change from a previous type-plan, elevations, and details, and these have been brought out from the drawer and re-delivered for each job with slight modifications. Both LCC and private architects seemed to be suffering from this outlook, and I could not distinguish between their designs without reference to printed indications.

I suggest that these, in previous days, were worthy and pioneer attempts at a new conception, from which many lessons have been learnt. There is no doubt that great credit belongs to those who made these early attempts, and our ideas today would not exist without them; but let designers now go beyond these essential experiments, be less conservative and more ready to accept the inevitable lessons of these attempts—in short, let us design in contemporary style. Cease to regard flats as so many villas within the form of a larger villa, and let the elevations look like flats, even if it means cribbing from Scandinavia. Also, let balconies, doors, staircases, and other details be designed as an integral part of the building and not fitted to it from a previous pile in the plan chest in the hope that the assembling of units will produce good design. I feel certain that design is the missing key, for working drawings seem adequate if buildings have been erected. For Heaven's sake and London's sake, then let somebody look at the aesthetics.

Planning of residential areas seemed mixed. Recent ideas could be found in some modern parts of the plan, while in others a trace of monumental vistas could be found which did not always pay the best regard to the contours of the site.

N. James Rushton, L.R.I.B.A.:

Despite a sentimental attachment to a code that precludes the shooting of a sitting bird, I feel I must offer my criticism of the LCC's Housing Scheme.

The planning of units generally, while completely uninspired, has, none the less, a slick if bleak efficiency about it. It is the slick efficiency of the engineer, however, and not of the architect, and one wonders to what extent the so brutally imposed functions will be abused and mis-used by those who are forced to occupy them.

But it is when we come to their appearance that the full horror strikes one. How the late John Wesley would have relished it all! No iniquity of loveliness here! No sinful beauty to disturb! One can hear his ghost stamping by and crying, "Take them coloured curtains down, woman! Do you want to go to the devil?"

What can one say of these grim, soulless edifices? Man's inhumanity to man! These are not homes for flesh and blood people; they are stables for robots. Machines indeed for living in; product of an age that more and more denies to man his individuality. He who works on the progress belt must now live on it.

And now, lest my outlook should appear too jaundiced, let me say I can discern a gleam of hope for the future. It would seem that the first uneasy stirring of the official conscience that all is not too well has manifested itself in the naive plea to critics to have regard for the limitation imposed by post-war

conditions. There is never any excuse for bad art. Even a primitive Aborigine can create a lovely thing out of a couple of sticks picked up in the jungle—if he be an artist.

The architect who is not an artist is not an architect.

J. D. Lennon, A.R.I.B.A.:

No one could doubt that the London County Council had been faced with a tremendous problem after the war in their re-housing plans.

When I visited the exhibition my first reaction was one of depression. It does seem to me that a wonderful opportunity of making a real contribution to architecture has been missed. It may well be that all the buildings shown comply with every regulation ever laid down, and that they represent considerable feats in housing so many people to so many acres. They certainly represent a lot of hard work, but none of these things will make a fine building.

In writing a criticism one ought to try to be factual. One might criticise endlessly small detailed points in planning, such as splitting a window between a w.c. and a lobby as a compromise solution to provide ventilation for a dimly-lit corridor, but one is worried by what seems to be a lack of any kind of real inspiration, any bold conception, any really new solution. It seems in the various elevations shown that there is such a confusion as to what "motifs" might be used to relieve the monotony of these large blocks, a sloping roof here, a projecting balcony there, a staircase tower somewhere else, without the special character of this type of building providing its own contemporary expression.

I suppose that these buildings are an expression of a certain sort of contemporary style by which we shall later be judged. I cannot help feeling that it is not entirely the architects' fault; it is all part of our generally safe, dull, outlook on nearly everything which we try to do today. One wonders, too, what effect an exhibition of

this kind has on schools. What students, having spent years learning about the fine buildings of the past and the fine buildings of the last 30 years, could help feeling frustrated when walking round?

If one single building had been able to compare with the clarity of Gropius's block of flats in the Siemensstadt Siedlung, Berlin, built, mind you, 20 years, ago, one might have felt that there was some encouragement for the future.

Is it really too late to produce something of which we might all be proud?

Leonard Manasseh, A.R.I.B.A.:

J. M. Richards, in his broadcast on February 27 (text published in the A.J., March 10), said the first and last word on the subject of LCC housing. "Posterity," he said, "will judge it by its quality." And that is the ultimate argument.

In fifty years, even in ten years' time, the question of cost or circumstance will be academic and the plea of expediency will by then have lost even the appearance of validity.

For instance, it is the sheer quality of Bedford Square that appeals to us now—not what it cost to build, and the fact that the original use of the houses has changed does not detract from their intrinsic worth as architecture. Can one imagine some future equivalent of the Georgian Group rising in passionate defence of, say, the Mersey Estate, Islington, or the Flower House Estate at Lewisham?

Taste is a matter of opinion and often very personal opinion, but access balconies, if used, need not be as grim and heavy and dominant, and staircase towers can surely be more subtly handled and less arbitrary in the way they jump the eaves line. These are some of the pitfalls which await those who strive to reconcile modern needs and modern methods with scraps of half-digested tradition. Their very purpose and the needs and economics of today preclude these buildings from trying to be traditional, nor

do they succeed as they stand there, gaunt, striving and slightly pathetic, with their neo-period look.

One can always find, of course, the eminent eccentric in the profession to praise these schemes, but then there are eminent eccentrics in other arts as well and the world—as radio listeners are joyfully aware, would be duller without them; but the largest housing authority in the world must have a sense of responsibility, proportionate to its size and influence. In housing, quantity (like patriotism) is not enough.

Sergei Kadleigh, A.R.I.B.A.:

I have visited the Housing Exhibition arranged by the Valuers' Department of the London County Council and wish to take this opportunity to make some observations concerning the criticism of the schemes displayed there.

Since Vitruvius it has been considered that architecture is the synthesis of three conditions—"commodity, firmness, and delight" as Sir Henry Wotton put it—or sociology, science, and art, as one might express it today. It follows therefore that to criticise a building, all three conditions must be taken into account and their correct weight, quality, and relationship one with another assessed against an ideal—a task beyond the scope of my short visits to the Exhibition.

It is an easy pitfall to base criticism on one of these three conditions only and praise or condemn the buildings on the strength of it alone. For example, one cannot attribute architectural merit solely because the Valuers' Department of the LCC may be leading the world in providing quantitative housing, nor is it right to condemn the schemes purely on the evidence of immature scientific application or outmoded artistic expression.

History will judge the schemes on view, but I venture to predict that their merits, if any, will be considered sociological, not scientific or artistic, and certainly not architectural.

A PICTORIAL REVIEW OF THE LCC EXHIBITION

More opinions from architects about LCC housing will be printed in the next and subsequent issues of the JOURNAL. On the following pages is a pictorial review of the recent exhibition at County Hall, published so that architects who were unable to go to it—especially those living outside London—can form an opinion for themselves and add their voices to those of the rest of the profession. The discussion therefore continues. But, without wishing to prejudice the opinions yet to come, it may be useful for the JOURNAL at this stage to summarize the issues that seem to be emerging from the controversy. In previous articles the design issue has been stressed, although it is clear that design in the sense of aesthetics cannot be considered separately from planning, layout and the standard of housing provided. On the other hand it should be equally clear that the extent of the LCC's housing effort is not being attacked. Nor is the accommodation they can provide, which is conditioned by cost and the housing shortage. Quantitatively, the LCC's housing achievements are considerable. But if we, beset by the housing shortage, judge the present efforts by their quantity, posterity will judge them by their quality, and the question at issue is whether, within the limitations imposed by present-day circumstances, the quality of the housing put up by the LCC is as high as it ought to be? Whether they

are right in making financial difficulties an excuse for poor quality, or whether they should have resisted the demand for more and cheaper housing at the expense of quality is one question. Another question—one with which architects are perhaps even more concerned—is why, given the present cost limitations, other architects, notably some of those employed by the metropolitan boroughs, seem to be able to produce more satisfactory work? Is this primarily a matter of office organization, of the amount of responsibility individual architects, working under the Valuer, are given on the design side and the degree to which initiative is encouraged? If so, important lessons may perhaps be learnt from the LCC's tribulations, because the proper organization of big public offices so that the best young architects can work happily in them is one of the key problems that faces the profession today. As regards the physical aspects of LCC housing that require special scrutiny, judging by the comments received so far, there seem to be, at one end of the scale, the stereotyped and rather academic layout of buildings on the site and, at the other, the detailing and handling of materials, which is described as coarse, insensitive and unimaginative. In between lies the whole difficult question of architectural character—of the use, for example, of things like balconies as elevational features rather than as part of the organization

of the plan—and, indeed, on a still wider plane, the question of the value of these monster blocks of flats as a contribution to the human development of London. For in the long run this basic issue is the one that matters: not whether the JOURNAL'S or anyone else's strictures can be substantiated but whether, with the vacant spaces in London being filled up before our eyes with acres of high-density housing, the result is one we are going to be proud to hand down to posterity. If architects are agreed that the way of living

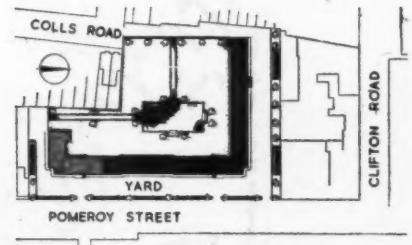
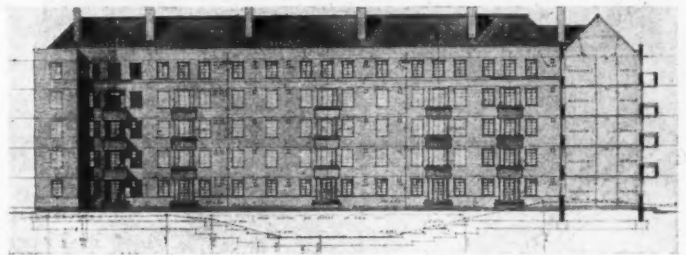
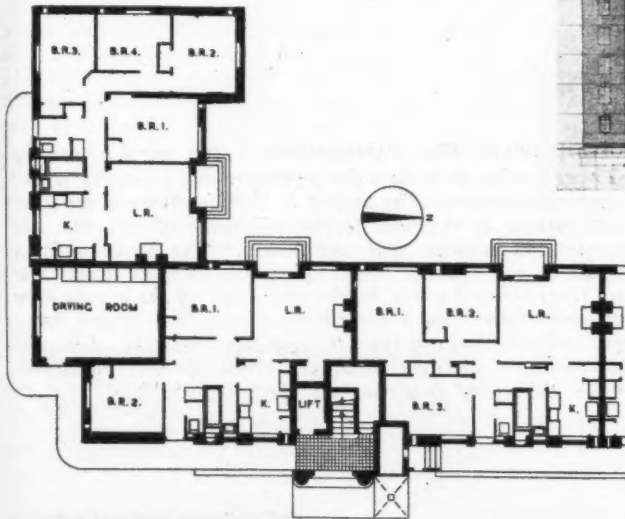
that this housing is imposing on Londoners for generations to come is inhuman by reason of its layout or its architectural character, they have a duty to protest, and the first protest must go to the LCC.

On this and the following pages work of the LCC Housing Department shown at the exhibition at County Hall is represented by a layout plan, a type plan and an elevation or exterior photograph of some of the principal schemes.

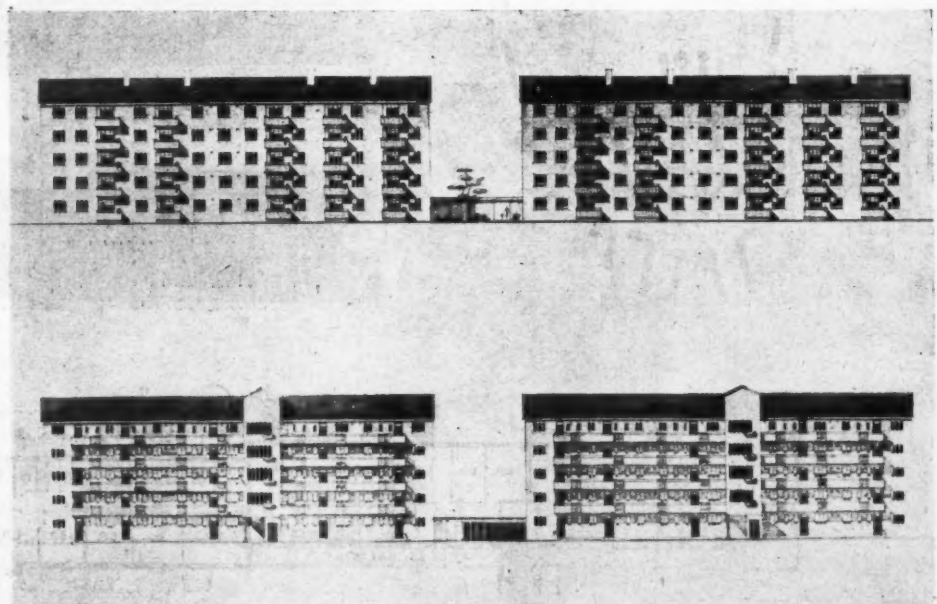
EDITOR.

I. POST-WAR FLAT TYPES

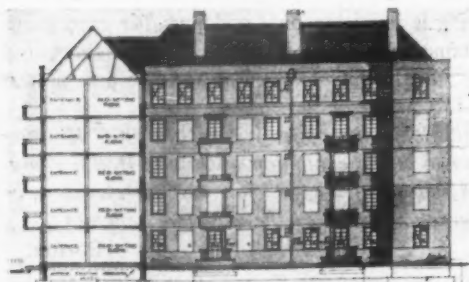
JUNIPER PLACE, CAMBERWELL The site has an area of 1.78 acres with a density of 42.13 dwellings to the acre. Work was commenced in May, 1948, and a 5-storey block with balcony access and lifts is being built. The number of dwellings is 75, with a total of 235 rooms. Below, the south elevation and the site plan. Below left, part of the ground floor plan. (Scale $\frac{1}{32}$ in. = 1 ft.).



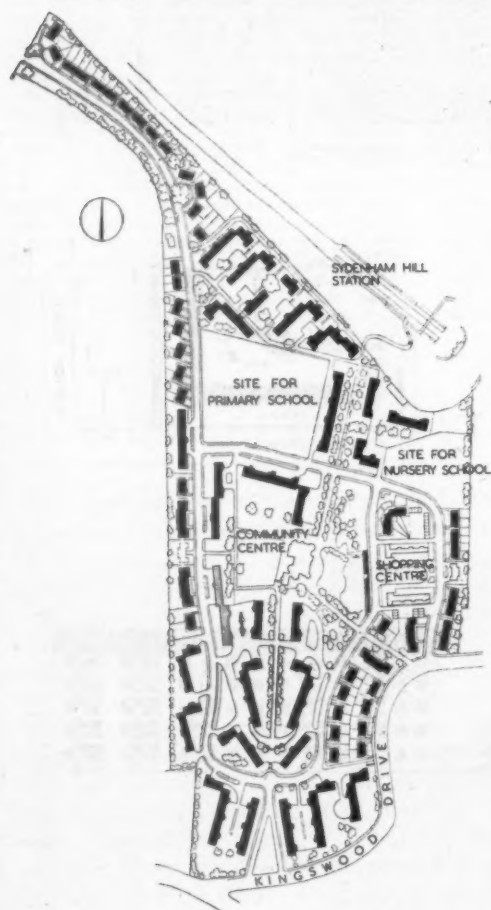
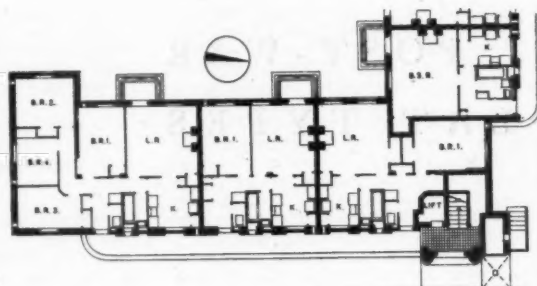
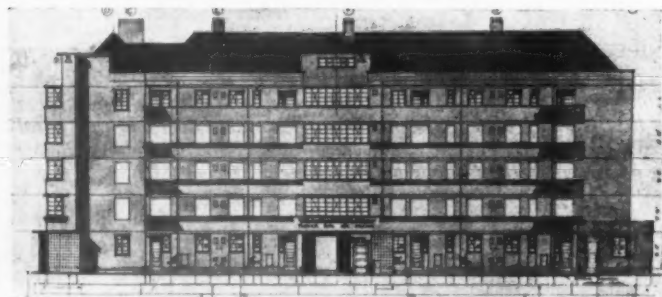
WOODBERRY DOWN ESTATE, SEVEN SISTERS ROAD SITE, STOKE NEWINGTON This estate has an area of 46 acres with a density of 39.7 dwellings to the acre. Post-war type of flats with balcony access and lifts. 47 blocks with 1,800 dwellings. The elevations illustrated are typical of blocks 40-48.



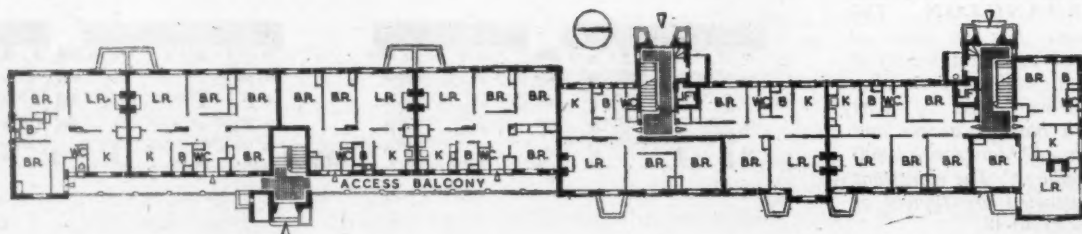
L C C H O U S I N G



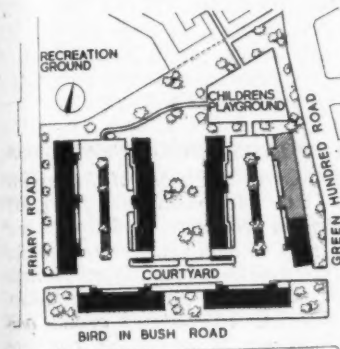
COMBER ESTATE, CAMBERWELL The site has an area of 0.743 acres with a density of 47 dwellings to the acre. Work was commenced in July, 1948, and a 5-storey block with balcony access and lifts is being built. The number of dwellings is 35 with a total of 105 rooms. Left: top, west elevation; beneath, north elevation. Below, ground floor plan. (Scale $\frac{1}{4}$ in. = 1 ft.).



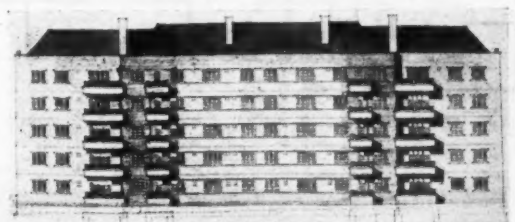
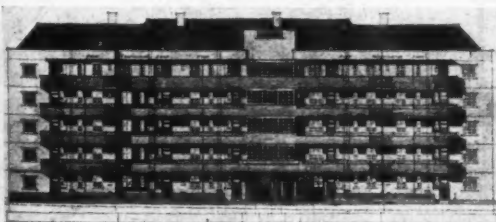
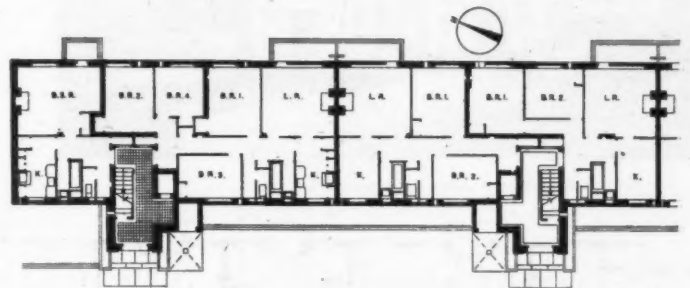
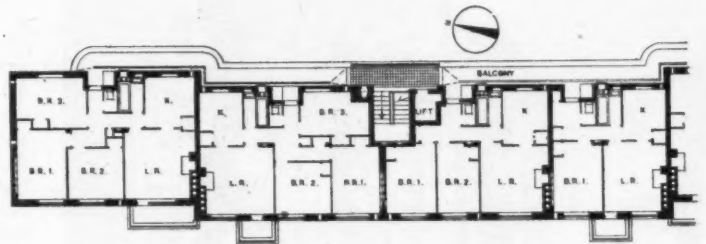
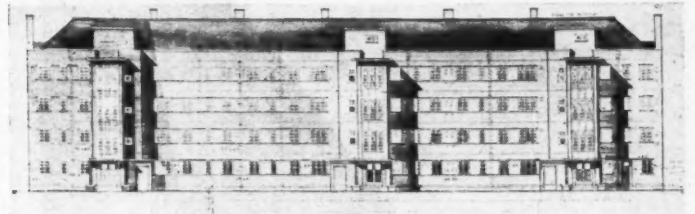
KINGSWOOD DRIVE SITE, CAMBERWELL The site has an area of 30.25 acres after deductions for a primary and a nursery school and a community centre. The density is 25.9 dwellings to the acre. The total number of dwellings is 784, consisting of 690 flats and maisonnettes, 92 cottages and two houses. The accommodation includes 26 3- and 4-storey blocks of flats of balcony access and staircase types; two 3-storey blocks with shops on the ground floor and maisonnettes over; one 3-storey block of maisonnettes and flats; and three 2-storey blocks of flats, the rest being cottages. Left, site plan. Below: top, the west elevation; centre, the east elevation; and bottom, the ground floor plan. (Scale $\frac{1}{40}$ in. = 1 ft.).



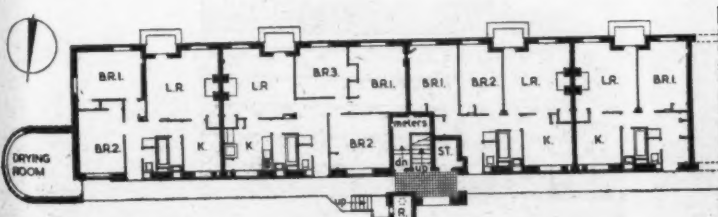
EXHIBITION : POST-WAR FLAT TYPES



DOWNES PLACE SITE, CAMBERWELL This site has an area of 3.40 acres with a density of 37.64 dwellings to the acre. Work commenced on the site in January, 1949, and accommodation is provided in 4- and 5-storey blocks. The 5-storey blocks are of post-war balcony access type with lifts. The 4-storey blocks are of post-war staircase access type with coal hoists. Six blocks with 128 dwellings, making a total of 408 rooms, are to be erected. Above, site plan; below, a typical elevation of block No. 3. Right: top, a typical elevation of block No. 1; centre, typical floor plans (Scale $\frac{1}{4}$ in. = 1 ft.); bottom, typical elevation of block No. 1.



KINGSHOLD ESTATE, HACKNEY The site has an area of 0.93 acres with a density of 43 dwellings to the acre. Work on a 5-storey block with 40 dwellings, comprising 138 rooms, of balcony access type, with lifts, was completed in December, 1948. Below, typical floor plan. (Scale $\frac{1}{4}$ in. = 1 ft.). Right, one of the blocks from the east.

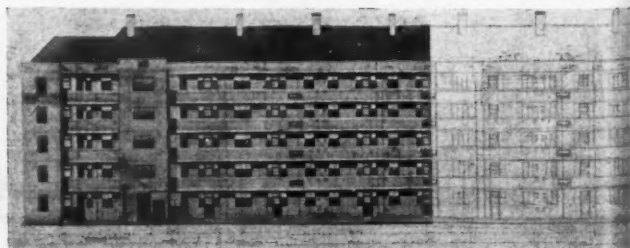
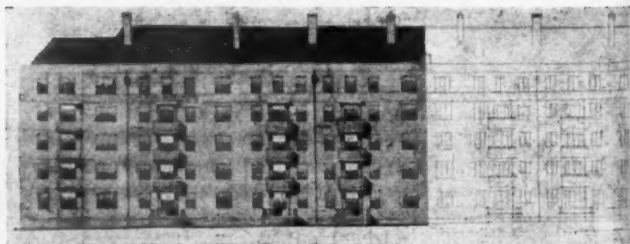
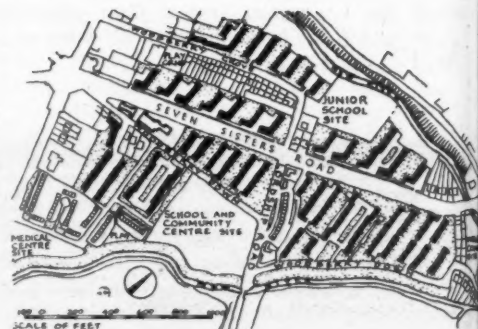
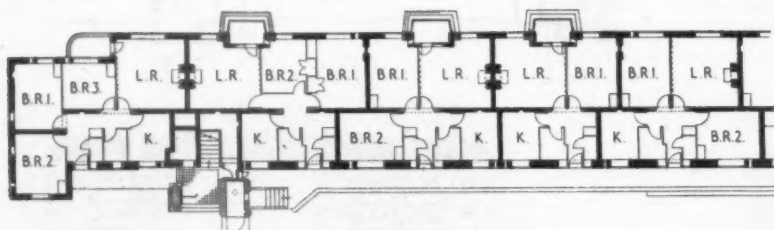


LCC HOUSING



WOODBERRY DOWN ESTATE, STOKE NEWINGTON

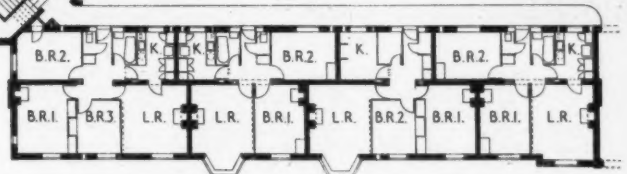
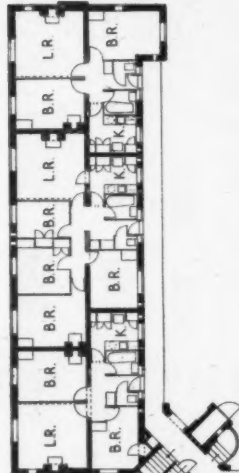
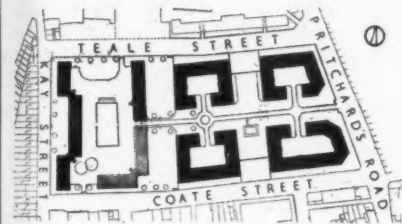
The site has an area of 46 acres and is one of the largest to be developed by the LCC. Accommodation for 1,765 families is to be provided on the estate, in 8-storey and 5-storey blocks of flats, with, in addition, 3-storey blocks of maisonnettes and flats. Two-storey cottages and cottage flats will be provided for old people. The 5-storey blocks are of traditional construction with balcony access and lifts. The 8-storey blocks are of monolithic concrete construction with access by lift and stairs (Illustrated in THE ARCHITECTS' JOURNAL for March 17). Left: top, one of the 8-storey blocks in monolithic concrete; centre, ground floor plan (Scale $\frac{1}{4}$ in. = 1 ft.); bottom, Lonsdale House, one of the 5-storey blocks, using traditional construction. Below, the site plan; bottom, typical elevations of a 5-storey block.



EXHIBITION: 2. TRANSITIONAL FLAT TYPES

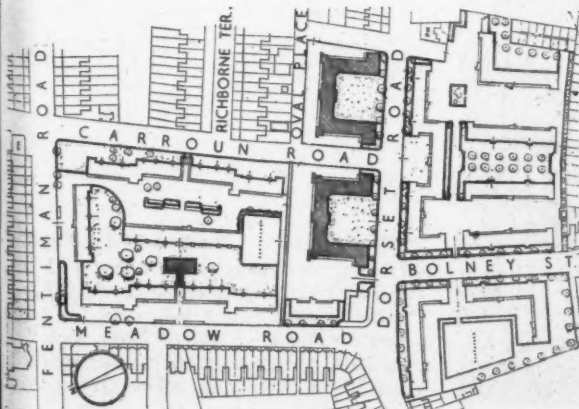
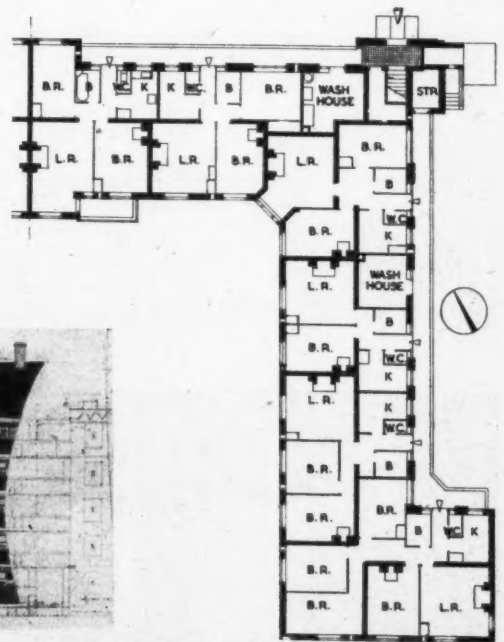
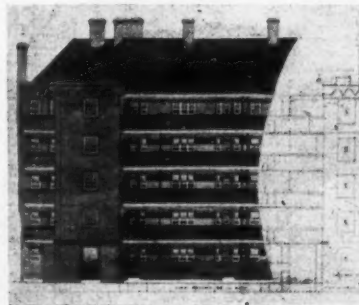
DINMONT ESTATE, BETHNAL GREEN

The site has an area of 2.35 acres with 36.6 dwellings to the acre. The two 4-storey blocks of flats were completed in June, 1948. The number of dwellings is 92, with a total of 288 rooms. The planning is of 1934 (3) type. This estate is of the transitional type incorporating improvements which were sanctioned in 1945, principally affecting the equipment of kitchens, the number of cupboards and methods of providing hot water. Below, the site plan. Right, part of the ground floor plan. (Scale $\frac{1}{2}$ in. = 1 ft.) Extreme right, a view of a completed block.



DORSET ROAD ESTATE, LAMBETH

This is a transitional scheme comprising ten five-storey blocks of flats containing 418 dwellings with a total of 1,406 rooms. (1934 plan types.) The estate has an area of 7.75 acres with a density of 54 dwellings to the acre. Right, north elevation of a typical block. Extreme right, ground floor plan. (Scale $\frac{1}{2}$ in. = 1 ft.) Below, the site plan. Below, right, a completed block from the south-west.

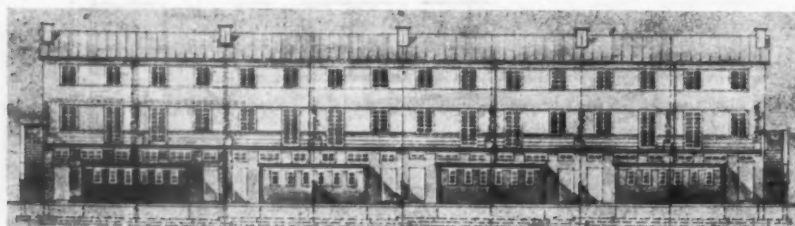
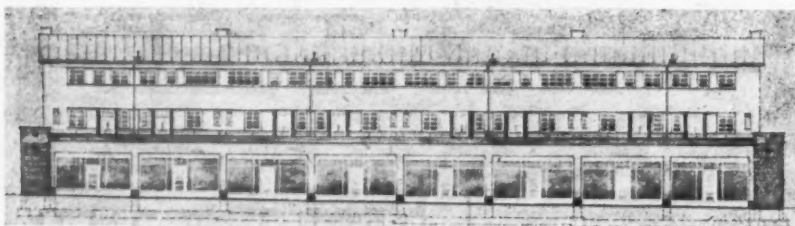




LCC HOUSING EXHIBITION :

3. COTTAGE ESTATES

CHINGFORD ESTATE, ESSEX *The site has an area of 1.66 acres. The accommodation in Hatch Lane comprises a 3-storey building with 17 shops on the ground floor and 14 3-room and nine 4-room maisonettes. Left, view of shops being erected in Hatch Lane.*



OXHEY ESTATE, HERTS *The site has an area of 925 acres with a density of 8 dwellings to the acre over net housing land. The estate has provision for schools, shops and other communal facilities, but no sites are reserved for industry. The accommodation consists of various types of houses and bungalows, and 2- and 3-storey blocks of flats. Left, elevations of shops to be erected in Little Oxhey Lane and Sandy Lane.*



DEBDEN ESTATE, ESSEX *The site has an area of 579 acres with a density of 7.5 houses to the acre on gross housing land (less land for industry). The estate has provision for schools, and shops and reserve sites are being allocated for industry. The accommodation consists of various types of cottages and one 4-storey block of 10 shops on ground floor and 18 dwellings on upper floors, making a total of 3,850 dwellings. Left, houses on the estate.*

ST. PAUL'S CRAY SITE, KENT *The site (next page) has an area of 570 acres with a density of seven dwellings to the acre over the gross area. Chislehurst section has 3,300 dwellings, including 2,100 permanent prefabricated houses and 300 3-storey flats. The Orpington*

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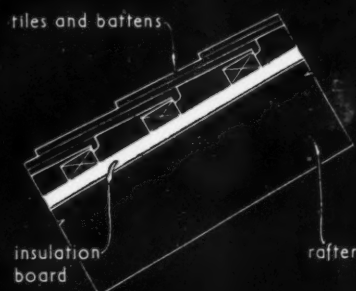
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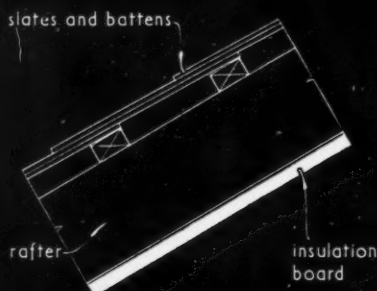
THERMAL INSULATION | ROOFS AND CEILINGS

28.E10

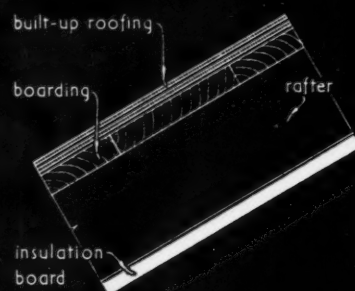
The Architects' Journal Library of Information Sheets 173. Editor: Cotterell Butler, A.R.I.B.A.



U = 1.50 without insulation board
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 U = 0.21 with $\frac{3}{4}$ " insulation board

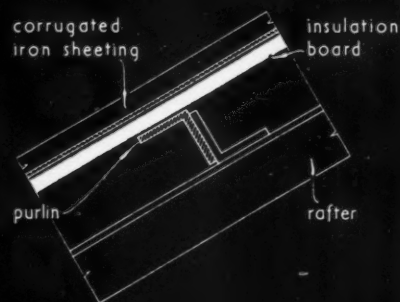


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 U = 0.21 with $\frac{3}{4}$ " insulation board

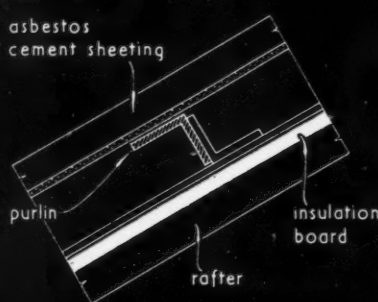


U = 0.55 without insulation board
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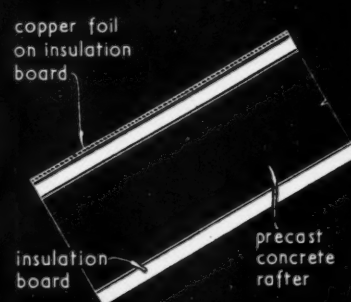
PITCHED ROOFS: TIMBER CONSTRUCTIONS.



U = 1.50 without insulation board
 U = 0.33 with $\frac{1}{2}$ " insulation board
 U = 0.26 with $\frac{3}{4}$ " insulation board

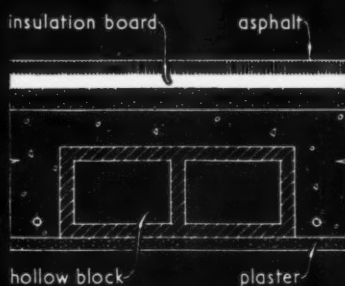


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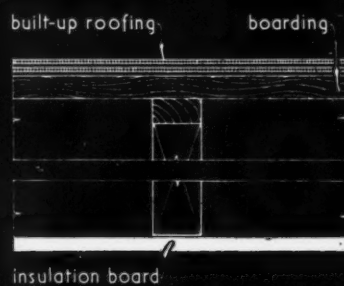


U = 0.46 without ceiling insulation
 U = 0.19 with $\frac{1}{2}$ " ceiling insulation
 U = 0.17 with $\frac{3}{4}$ " ceiling insulation

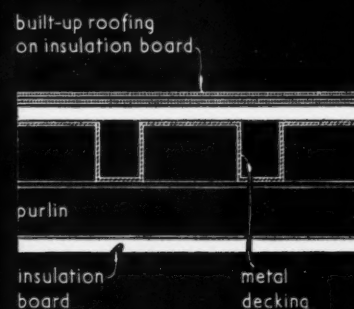
PITCHED ROOFS: STEEL AND CONCRETE CONSTRUCTIONS.



U = 0.36 without insulation board
 U = 0.23 with $\frac{1}{2}$ " insulation board
 U = 0.20 with $\frac{3}{4}$ " insulation board



U = 0.55 without insulation board
 U = 0.21 with $\frac{1}{2}$ " insulation board
 U = 0.18 with $\frac{3}{4}$ " insulation board



U = 0.33 without ceiling insulation
 U = 0.19 with $\frac{1}{2}$ " ceiling insulation
 U = 0.16 with $\frac{3}{4}$ " ceiling insulation

FLAT ROOFS: HOLLOW BLOCK, TIMBER AND METAL CONSTRUCTIONS.

LLOYD BOARDS: COMPARATIVE EFFICIENCIES OF INSULATED ROOFS.

Compiled by C.W. Glover and Partners for Rowntree Building Boards Ltd.

28.E10 LLOYD BOARDS: COMPARATIVE EFFICIENCIES OF INSULATED ROOFS

This Sheet illustrates a range of insulated pitched and flat roofs and gives their calculated thermal transmittance values based on conductivities as set out in *The Computation of Heat Requirements for Buildings* published by the Institution of Heating and Ventilating Engineers.

The values (U) are expressed in B.Th.U./sq. ft./hr./° F. temperature difference. In calculating these values the contribution made by the rafters has been ignored since this will vary according to the particular construction adopted.

Fixing Insulation Board

With rafter spacings up to 16 in., insulation board applied to the underside may be spiked to the rafters. Above this, patent fixing methods should be used. (For details, see Sheets 22.D1 and 22.D2.)

Suspended Ceilings

Where use is made of an insulated horizontal ceiling below a pitched roof, the insulation value of such a structure depends on the air flow over the upper

horizontal surface, which is related to the effectiveness of the pitched roof covering as a vapour barrier. Where the roof covering presents an effective vapour barrier, e.g., in the case of a tiled and boarded roof or a membrane covered close boarded roof, a higher degree of insulation is afforded to rooms below if the insulation board is fixed in the form of a suspended ceiling rather than by being attached to the underside of the roof joists.

Compiled from information supplied by :

Bowaters Building Boards Limited.

Address : 15, Portman Street, London, W.1.
Telephone : Welbeck 8527.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

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a b c d e f g h i j k l m n o p q r s t u v w x y z

VERTICAL LETTERING: $\frac{1}{4}$ " CAPITALS, FIGURES AND LOWER CASE.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0

a b c d e f g h i j k l m n o p q r s t u v w x y z

VERTICAL LETTERING: $\frac{1}{8}$ " CAPITALS, FIGURES AND LOWER CASE.

a b c d e f g h i j k l m n o p q r s t u v w x y z

SLOPING LETTERING: $\frac{1}{4}$ " LOWER CASE.

A B C D E F G H I J K L M N O

P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 0 $\frac{1}{16}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$

a b c d e f g h i j k l m n o p q r s t u

v w x y z

LARGE STENCILLED LETTERING AND FIGURES.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 a b c d e f g h i j k l m n o p q r s t u v w x y z

MINIMUM SIZE STENCILLED LETTERING AND FIGURES.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0

a b c d e f g h i j k l m n o p q r s t u v w x y z $\frac{1}{16}$ $\frac{1}{8}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$

COMFORTABLE SIZE STENCILLED LETTERING AND FIGURES.

FREEHAND AND STENCILLED LETTERING FOR GENERAL DRAWING OFFICE USE.

Compiled for Eagle Pencil Company - Chemi-Sealed Turquoise pencils.

1. B10 FREEHAND AND STENCILLED LETTERING FOR GENERAL DRAWING OFFICE USE.

This Sheet, one of the series on draughtsmanship, illustrates freehand and stencilled lettering for general drawing office use. Sheets 1.B7 and 1.B8 illustrate light sans serif upper and lower case drawn alphabets.

Freehand Lettering : Ink and Pencil

Good freehand lettering in ink is more easily done with a well-worn nib which has become suited to the personal inclination of the draughtsman's hand. A contemporary opinion is that the nib should be well loaded with ink so that differences in thicknesses between vertical and horizontal strokes are minimised. The character of pencil lettering should not differ materially from the freehand examples drawn in ink and illustrated on the face of this Sheet. To obtain the same fluent quality the grade of pencil should be carefully suited to the paper. Although personal factors inevitably influence the exact grade of pencil chosen the following selection may be taken as typical :

| | |
|-----------------|-------|
| Cartridge paper | HB-2B |
| Tracing paper | H-HB |
| Tracing linen | HB-B |
| Hand-made paper | F-2B |

For further notes on pencil grades, reference should be made to Sheet 1.B2.

Upright lettering : The examples shown are representative of sound lettering for general titling and notes on working drawings. Certain personal idiosyncracies are apparent which contribute to the character of the lettering. Personal mannerisms are always present in good interesting freehand lettering but the style should never become stylistic or self-conscious resulting in a bizarre effect. Even more important, eccentricities should not be allowed to result in illegibility.

Crude artifices, such as underlining, in an attempt to give emphasis should always be avoided. Emphasis is much better achieved by increasing the boldness and/or size of the character.

For notes on drawings generally, freehand lettering is much quicker than stencilled lettering, although a natural flair and a certain amount of practice are essential if the result is to be at all pleasing.

For working drawings a combination of stencilled lettering for main titles and freehand lettering for notes forms an intelligent compromise.

Sloping lettering : It is generally considered that this form of lettering is a more natural style for the

draughtsman whose handwriting slopes ; additionally slight variations in the angle of the slope are not so readily detectable as are variations from the vertical in upright lettering.

Stencilled Lettering

The stencil face shown is that designed for the Uno series and is known as the architectural stencil.

It should be remembered that stencilling is a purely mechanical process. No attempt therefore should be made to draw the letters, the pen being guided easily through the stencil, its own weight being sufficient to float the ink on to the paper. A clean stencil and a half filled pen held vertically over a horizontal board contribute largely to the success of good stencilled lettering. The labour and tediousness of stencilling is considerably influenced by the size adopted. For the general titling of drawings stencils of $\frac{1}{4}$ in. to $\frac{1}{2}$ in. high are convenient. For notes, the $\frac{3}{16}$ in. stencil upper or lower case may be considered as an optimum in that it is not too large for the majority of working drawing notes while at the same time the pen used is robust and the work is neither unnecessarily cumbersome nor tedious. The minimum size shown is rarely used for drawing office work but it is valuable for studied drawings and drawings from which printer's blocks have to be made.

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

Compiled from information supplied by :

Eagle Pencil Company.

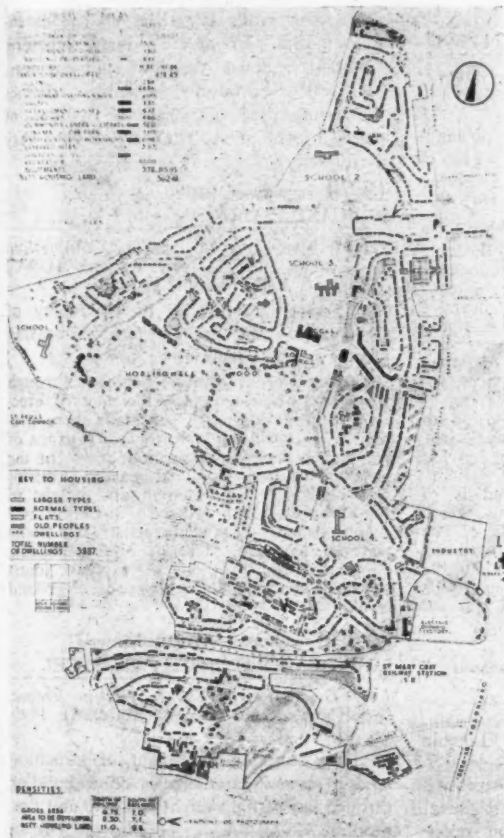
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Telephone : Tottenham 4435-6-7.
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LCC HOUSING EXHIBITION: COTTAGE ESTATES

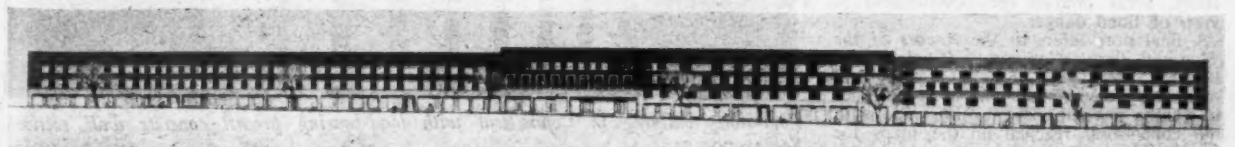
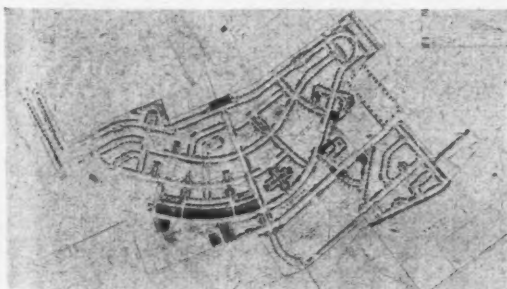
ST. PAUL'S CRAY SITE, KENT (continued)

section has 587 cottages of various plan types. The estate is to be laid out with schools, shops and other communal facilities

Below, site plan. Right, two views of the estate



HAINAULT ESTATE, ESSEX. The estate has an area of 291 acres with a density of 9.5 dwellings to the acre over the gross area. Provision is made on the site for schools, shops and a community centre. Total number of dwellings is 2,538. Below, site plan. Right, two views of the estate. Bottom, elevation of shops with flats over.



INFORMATION CENTRE · INFORMATION SHEETS
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.

3.17 planning: regional and national GEOGRAPHICAL ANALYSIS

Gloucestershire, Somerset and Wiltshire: A Geographical Analysis. Research Group, University of Bristol. (J. W. Arrowsmith, Bristol, 1949. 8s. 6d.)

Second report on regional investigations in Gloucestershire, Somerset and Wiltshire in connection with reconstruction problems. Illustrated by three maps to a scale of a quarter inch to one mile and by photographs.

This report carries the research summarized in the first study, entitled *Land Classification* (see 28.8.47:3.7), a stage further. It describes the principles of the land classification categories, the topographical classification, and the classification of scenery and features of special interest. The three area maps, the contents of which are analysed in the text, show land classification, topography, and a combination of the two, together with features of special interest. This last composite map provides an excellent overall picture of the distribution of certain areas within the three counties. The key shown on the map describes these areas as follows: areas specially reserved; areas recommended for reservation; areas for industrial development, but after special survey only; areas possible for industrial development; and lastly, areas difficult for development in view of flood danger.

A final note refers to the *Report of the National Parks Committee (England and Wales)*, 1947 (see 6.13:20.11.47) summarizing the views set out in it in order to enable a comparison to be made with the conclusions reached on the maps for the three counties.

4.48 planning: urban and rural

HOUSING ESTATES: LANDSCAPING

Landscape and Housing Design. Bournville Village Trust. (B. T. Batsford Ltd., 1949. 6s.)

A well illustrated short handbook on landscape treatment in residential areas. Lists of suitable road trees and selected bibliographical references.

This little book should prove useful when considering the landscaping of housing estates for it is based on practical experience gained by the Bournville Village Trust over the last fifty years. It is by no means a comprehensive treatise but rather a compilation of short notes on certain aspects such as landscape treatment related to street layout, the distribution of open spaces, the use of trees in the landscape, the layout of grass verges along roads, the provision of house gardens and their treatment, and lastly, the maintenance cost of open spaces giving some 1947 figures.

An appendix contains an annotated list of trees suitable for roadside planning, which have been tried out at Bournville. The notes provided on each species are, therefore, based on experience limited by the climatic, topographical and soil conditions of that particular area.

15.54 materials: applied finishes and treatments HOT DIP GALVANIZING

Hot Dip Galvanizing and Rust Prevention. (Hot Dip Galvanizers' Assocn., Lincoln House, Turl Street, Oxford. 1949.)

Booklet of 51 pages describes the process of hot dip galvanizing in simple technical language; discusses also corrosion resist-

ance of coatings and their characteristics, and concludes with sections on the properties belonging to a good galvanized coating and on advances in technique. Profusely illustrated.

18.26 construction: theory

LAMINATED STRUCTURE

Design of Glued Laminated Structural Members. Verne Ketchum. (Timber News, pp. 52, 55, 56. Publishers, Lomax, Erskine & Co., 154, Fleet Street, E.C.4.)

First of a series of articles to deal extensively with laminated wood structure. Author is a noted American civil engineer. This article introduces the subject, defines the terms used and lists a number of "design assumptions." Likely to be a very useful series.

19.70 construction: details.

PRECAST WALLS

Precast Walls Speed Dormitory Completion. T. Crane. (Eng. News-Record [USA], March 31, 1949, pp. 36-7.)

Four-storey dormitories of University of Connecticut built entirely of load-bearing precast concrete sections.

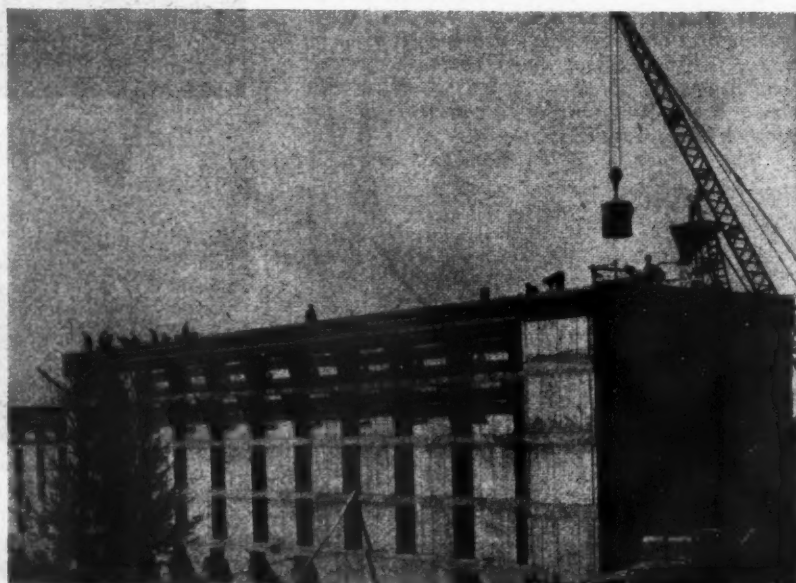
Speed and economy were achieved through simplicity of design and efficiency of erection method selected. The slabs were precast in stacks, floor high, the top surface of one slab serving as the bottom form for the next. Thickness of load-bearing exterior wall slabs is 8 in. Length and height of the slabs was standardized. Location was accomplished by crawler cranes. The floors were cast *in situ*. Use of brick surfacing eliminated the problem of exterior joints between concrete slabs above the ground level.

20.130 construction: complete structures

LOW DEAD WEIGHT SAVES STEEL

Low Dead Weight Saves Steel in Frame. (Eng. News-Record [USA], March 31, 1949, pp. 41-3.)

Extensive saving in weight of structural steel in a new Los Angeles office building through use of lightweight concrete and fire-proofing.



Four-storey building in Connecticut with load-bearing precast concrete wall sections. See 19.70.



Straight-run Sliding Door Gear

Photographs of a recent job at Mulliners Motor Body Works, Birmingham. Architects: Henry Weedon & Partners. They show: ABOVE, exterior view which gives some idea of the size of the door; RIGHT, interior view which indicates length of the opening and the number of doors involved; BELOW, close-up showing the triple run of track.



This is a typical straight-run installation. Sometimes doors are required to slide round the corner or slide and fold. Every enquiry is carefully studied and our Drawing Office service and trained technical representatives are freely available to ensure that the most suitable gear is chosen at the planning stage. *Catalogue No. 48* contains diagrams, photographs and complete specification data.

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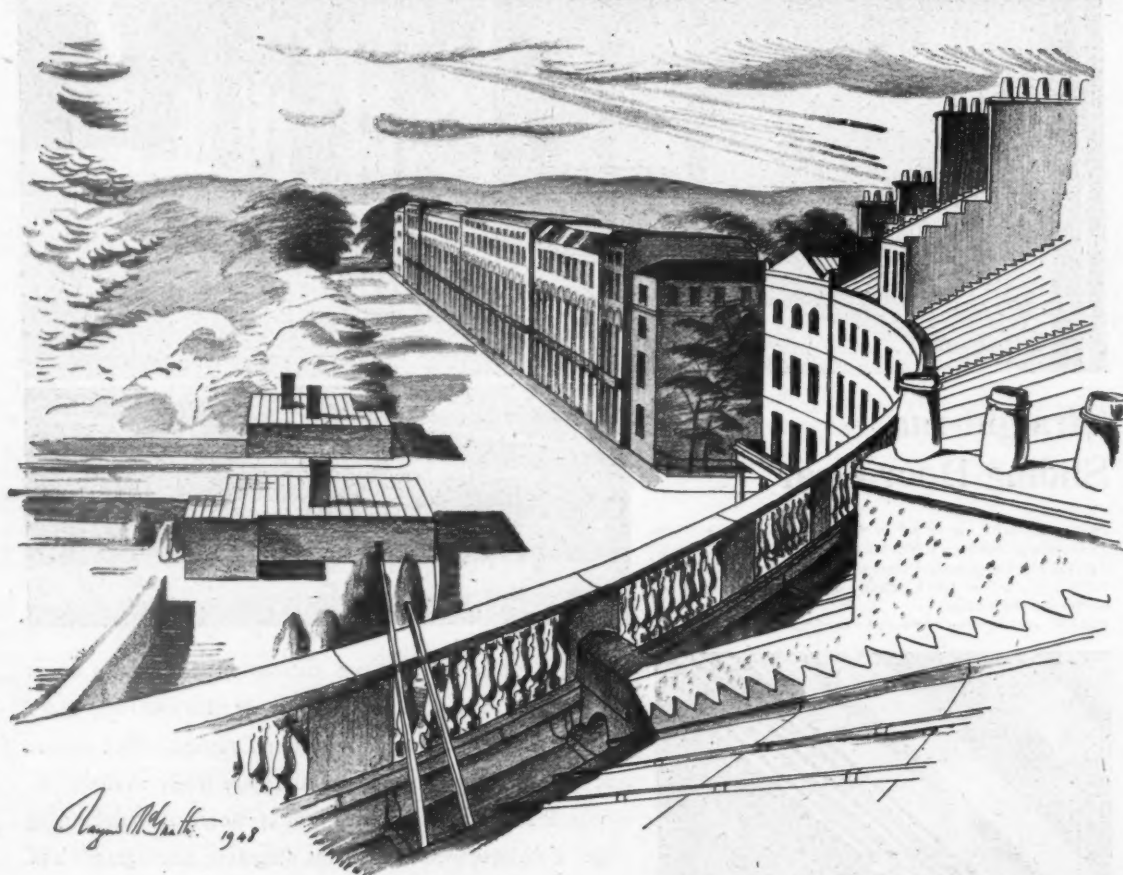
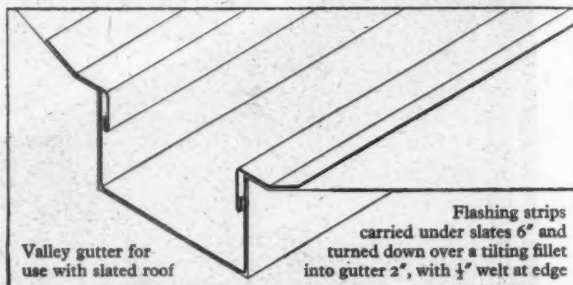
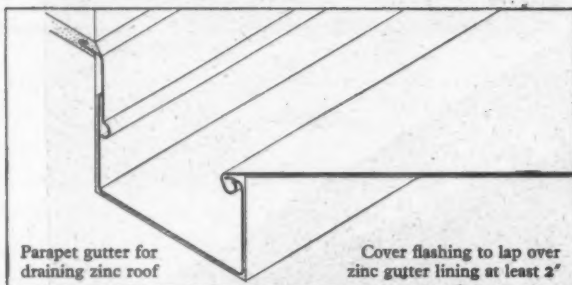


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should be at least 2" deep and 9" wide. The cesspools used at all outlets should be at least 4" deep and the full width of the gutter. Slates, and also tiles, should project over the edge of the gutter to form a dripping edge. Further information on gutters, rainwater pipes and other uses of zinc in building can be had from the Association together with a list of publications.

ZINC DEVELOPMENT ASSOCIATION

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Dead weight in a multi-storey framed building usually represents from 60 to 80 per cent. of the total load on the first floor columns. In the new 12-storey office building of the Prudential Life Assurance Company in Los Angeles about one-third of the dead weight was saved by the use of concrete made of pumice aggregate. The weight of this concrete is 95 lb. per cu. ft., as compared with 145 lb. per cu. ft. for ordinary concrete. An even more impressive percentage-wise weight saving was obtained by the use of vermiculite plaster fire protection for the exposed steel beams and columns. This weighs about one-tenth as much as ordinary concrete casing. It consists of metal lath, placed around the steel member and covered with a 1-in. thickness of vermiculite plaster.

The building was faced with precast reinforced slabs of lightweight concrete. A pleasing surface to these slabs was obtained by a combination of crushed quartz and white cement. A maximum amount of the crushed aggregate is exposed. As the slabs are precured and heavily reinforced, cracking is expected to be almost entirely eliminated.

The building has been designed to resist earthquake forces.

It is claimed that by the combined effect of the various savings in dead weight the weight of structural steel was reduced by 1,000 tons.

22.32 sound insulation and acoustics NEW SOUND ABSORBENTS

Resonant Absorbers and Reverberation. Papers and Discussions of a Symposium of the Physical Society Acoustics Group, (The Physical Society, April, 1949. 7s. 6d.)

Panel absorbers, reverberation time, and a general review of acoustics. Very important architecturally. Illustrated. 52 drawings and photographs.

This is by all odds the most important publication on the acoustics of auditoria within the past ten years, and every architect interested in the subject should have a copy.

The most interesting architectural material is in a paper by P. V. Bruehl, of Denmark, on panel absorbers. These have been the subject of intensive research on the continent, and are rapidly finding their place as the main absorbers for use in concert halls

and other places where good acoustics are required. The important thing is this: in modern buildings there is far too much reverberation at low frequencies and too little at high. The lack of "highs" gives poor character and intelligibility, and too much "lows" is unpleasant. Panels absorb "lows" and preserve "highs." In other words, they are exactly what we need. But they can be used in a great variety of ways, sometimes perforated or slitted, sometimes made of ribbing, sometimes in metal or glass, sometimes with glass silk behind, sometimes just with cavities. Here, in fact, is something non-proprietary, with a controllable architectural character. Architects who have seen the modern concert halls in Sweden and Denmark have seen the fascinating way panel and ribbed absorbers have been used there, but up to now the techniques have not been described in English. That is why this publication is so important. The technology described does not obscure the architectural significance.

In addition to the panel absorbers there is a discussion of so-called Helmholtz absorbers—vases or bottles or other containers tuned to take out one frequency. They are not so generally useful, but with them you can cure conditions otherwise sometimes incurable, such as annoying flutter echoes.

Changes have been taking place, too, in the ideas of reverberation in rooms. The geometrical basis of W. C. Sabine's work is giving way in part to a wave theory. A paper by Moir and another by Bagenal give a great deal of new information on reverberation. The old geometry is not quite thrown over yet, but it is obviously taken with a substantial pinch of salt.

Not the least charming reading material here is the Group's inaugural lecture by Alex Wood, well known to architects for his joint authorship with Bagenal on acoustics. Wood's paper discusses the whole field of acoustics in an extraordinarily pleasant and clear way.

The publication can be obtained from the Physical Society at 1, Lowther Gardens, Prince Consort Road, London, S.W.7.

27.12 furniture and fittings FURNITURE AND FITTINGS

Modern Furniture and Fittings. J. & R. Hooper. (Batsford, 1948. 42s.)

Treatise on the design and construction of furniture, classified according to type of building in which it is to be used. Also includes chapters on exhibition and show-cases and shop fitting. Extensively illustrated with measured drawings, diagrams and photographs. Supplementary volume to *Modern Cabinet Work* by Wells & Hooper, pp. 327, incl. index.

This book contains over 100 photographs and about 1,700 drawings and details of furniture and fittings, with descriptive notes on design and technique. It does not deal with tool operations, and is confined mainly to the illustration and description of actual examples of furniture designed for different types of room or building.

In so far as the book is mainly a record of examples it is not likely to be so useful to architects or architectural students as other books dealing more concisely with the main principles of joinery work.

It is also unfortunate that the presentation of the working drawings is rather unattractive although a vast amount of work has gone into the preparation. The drawings would have been more easily readable if figured dimensions had been used instead of merely a scale at the bottom of each drawing.

It is a pity that a book which otherwise maintains such a high standard should be spoiled by the style of drawing and by the frontispiece in colour which is enough to deter any architect from venturing further.

Nevertheless it must be said that there is a wealth of information to be gained by study of the book, and that as a supplement to *Modern Cabinet Work* it is likely to be most useful to craftsmen, teachers and others specially interested in furniture and cabinet making.

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

QUESTIONS AND ANSWERS

2990 SOUND ABSORPTION OF PLASTER

Q I have heard that plaster finishes to walls can be usefully employed as sound absorbers. Is this the case, and is the effect of all plasters available more or less the same?

A According to the recently published National Building Study Bulletin No. 6, *Gypsum and Anhydrite Plasters*, there is little variation from one type of normal plaster mix to another, assuming a smooth trowelled finish. The publication gives a range of from 1 to 3 per cent. absorption (an open window representing 100 per cent.) for plasters based on lime and on calcium sulphate. In general, calcium sulphate plasters lie at the lower end of this range and lime plasters at the upper end. Special acoustic plasters, based on calcium sulphate plasters, are used for sound absorbing purposes and have absorption figures of the order of 20 to 50 per cent. The bulletin issues a warning that a somewhat specialized technique is necessary for the application of these if their full effect is to be obtained and points out that they are sensitive to wear and abrasion. ●



Precast stone facing on lightweight steel frame to building in Los Angeles. See 20.130.

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BUILDING MATERIALS' PRICES

By Ian Bowen

INDEX FOR THE SECOND QUARTER

The index for building materials' prices for the second quarter of 1949 stood at 210.6 (1939 = 100). It was 1.8 points, or rather less than 1 per cent., below the level for February, 1949. The following table, and the graph, show how the index has moved from quarter to quarter since the end of World War II.

| TABLE I | | |
|---|-------|--------|
| Index (August, 1939 = 100) | | |
| Number of points change on previous quarter | | |
| 1945—Qr. 3 .. | 160.5 | — |
| .. 4 .. | 164.2 | + 3.7 |
| 1946—Qr. 1 .. | 167.6 | + 3.4 |
| .. 2 .. | 170.2 | + 2.5 |
| .. 3 .. | 175.8 | + 5.6 |
| .. 4 .. | 180.7 | + 4.9 |
| 1947—Qr. 1 .. | 183.5 | + 2.8 |
| .. 2 .. | 197.2 | + 13.7 |
| .. 3 .. | 200.7 | + 3.5 |
| .. 4 .. | 206.0 | + 5.3 |
| 1948—Qr. 1 .. | 209.2 | + 3.2 |
| .. 2 .. | 208.3 | — 0.9 |
| .. 3 .. | 207.9 | — 0.4 |
| .. 4 .. | 210.7 | + 2.8 |
| 1949—Qr. 1 .. | 212.4 | + 1.7 |
| .. 2 .. | 210.6 | — 1.8 |

The fall in the index in this quarter, like the rise in the preceding quarter, does not indicate a consistent movement in the trend of building materials' prices in general; it reflects the net effect of changes both upwards and downwards for individual commodities. Four items, the quotations for which are used in the construction of the index, fell in price in the second quarter of 1949; these were white lead paint, linseed oil putty, lead piping and cast iron baths. But the quotations for eleven other items (slates, sinks, cast iron rainwater and soil pipes, iron tubes and tubular bends, galvanized corrugated roofing sheets, screws, wire nails, cold and hot water tanks) moved up over the same quarter. Thus, while it is gratifying that the index as a whole has gone down, a general break in building materials' price is not yet discernible.

GROUPS OF MATERIALS AFFECTED

Movements in the four main groups of materials were as shown in the following table:—

| TABLE II | | | | | | |
|--------------|-----------|-------|-----------|----------|-------|--|
| Group | | | | | | |
| | I | II | III | IV | Total | |
| | Im-ported | Metal | Quar-ried | Prim-ary | | |
| (1945 = 100) | | | | | | |
| 1947—Qr. 3 | 175.5 | 129.3 | 131.5 | 102.6 | 123.6 | |
| .. 4 | 175.6 | 144.5 | 131.9 | 105.4 | 128.3 | |
| 1948—Qr. 1 | 176.7 | 145.9 | 134.0 | 107.9 | 130.4 | |
| .. 2 | 175.6 | 142.1 | 133.8 | 107.9 | 129.8 | |
| .. 3 | 175.6 | 142.3 | 133.8 | 107.3 | 129.6 | |
| .. 4 | 184.8 | 144.4 | 133.8 | 107.4 | 131.4 | |
| 1949—Qr. 1 | 190.1 | 145.9 | 133.8 | 107.4 | 132.5 | |
| .. 2 | 181.1 | 145.8 | 133.8 | 107.7 | 131.3 | |

Thus the fall is mainly concentrated in the group of imported materials. There were two falls in the metals' group, but these were offset by a number of small increases which have already been mentioned.

It ought, perhaps, to be mentioned that there has been an increase in the authorized price of metal windows, which does not appear among the 44 quotations used.

IMPORTS AGAIN

The most remarkable feature about the latest movement in prices is that the turning point in import prices seems to have been reached and passed. It will be remembered that there were substantial increases in the authorized prices of lead sheet and piping from October, 1948, to January, 1949. Since the break in American raw materials' prices at the turn of the year, there has been a tendency for British prices to decline, although not so rapidly owing to the stabilizing effect of long-term contracts placed under bulk purchasing schemes. In a period of falling prices these schemes tend to prevent prices falling as fast as they otherwise would. Thus, although imported materials' prices may go down further, the fall is not likely to be either sustained or spectacular.

Another factor which supports this prediction is the question of the purchasing power of the pound. Talk of devaluation still persists, despite, or even because of, official denials; and if world prices continue to fall some measure of devaluation may be forced on the country, whatever the present official intentions may be. This, if it came, would further offset, as far as Britain was concerned, the downward trend in prices.

The severe fall in American raw materials' prices may not, for these reasons, herald an era of cheap imported materials; on the other hand, some alleviation from this cause is to be hoped for, always provided that a serious trade recession, with all its repercussions, does not follow upon the initial setback.

As for domestic prices, the situation is still unfavourable. At home, we are still on the inflationary horn of the general economic dilemma; wages are still rising, and so are transport costs, and productivity is not increasing in the materials' industries fast enough to offset the other factors. In the long run, of course, improved productivity must be the basis of more efficient materials' production; a table now published officially (Monthly Digest of Statistics, April, 1949, Table 65) shows that the value of brick- and tile-making machinery absorbed on the home market has increased from a monthly average of £56,000 in 1946 to £136,000 per month in the fourth quarter of 1948.

SUPPLY OF BUILDING MATERIALS

Between the first quarter of 1947 (March) and that of 1948 there was a marked overall change in the building materials' supply

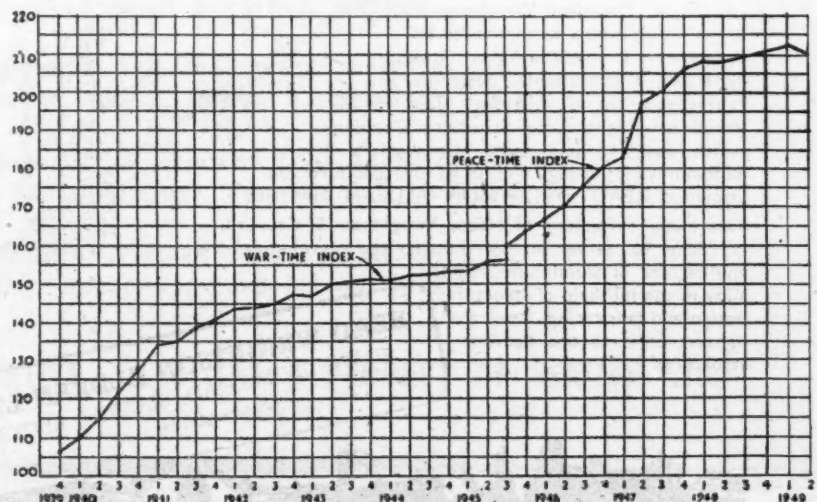
position; briefly, nearly all materials came into relatively plentiful supply after a period of intense scarcity. A few materials were still rather scarce. Over the next year, however, there has been an entirely different story; production in most lines has slowed down or actually declined, and some materials have long passed the stage of under-production. Stocks have begun to accumulate quite alarmingly. By the end of 1948 there were 1,532,000 square yards of plasterboard in the manufacturers' stocks, as against 440,000 square yards a year previously; this large stock had been run down to 799,000 by the end of March, 1949, but only by curtailment of production. For clay roofing tiles the stocks were four times as great in March, 1949, as they were 16 months previously, and there was a similar rise in the stocks of concrete roofing tiles. Baths were being produced at the rate of 52,000 a month in March, 1949, as against a monthly average of 41,000 in 1948 and 32,000 in 1947.

The position now is therefore that the supply of materials is outrunning demand, especially where items specific to new housing are concerned. The need to rescue the somewhat tarnished housing programme from its comparatively neglected state may soon become as much the concern of manufacturers as it is of the house-building firms themselves.

PRICE POLICY AND MONOPOLY

In the present situation of incipient over-supply, producers of building materials have to safeguard their financial position. The draft Labour Party programme, and the enquiries being pursued by the Commission set up under the Monopolies and Restrictive Practices Act, are warnings that their price and production policies are now officially treated as questions of direct public concern. In the present year there exists an especial incentive for individual manufacturers, and for the appropriate trade associations, to exercise moderately such monopoly, or quasi-monopoly, powers as they may enjoy.

Some industries are still run under conditions of competition; it is noteworthy that in the "primary" and "quarried" groups of materials, prices have risen least since the end of the war, and in these groups considerable competition still prevails. On the other hand, some highly organized industries, like cement, are included in these groups. Either fairly intensive competition, or monopoly combined with a high degree of technical efficiency and subjected to a mild form



Graph showing price index from 1939 to the present.

of Governmental price control, is conducive to a relatively slow rise of prices.

But some other groups of materials are not so well conducted. There are sometimes wide discrepancies in the relative efficiencies of the best and least successful firms in the industry. Active steps are needed to narrow the gap—by eliminating or improving the inefficient units. Prices will certainly not come down of their own accord, domestically, and it is idle to pin all hopes on a reversal of the trend in wage costs or fuel prices. A rationalization policy, to revive an old term, is badly needed, if endless probing and enquiry, and the threat of nationalization, are to be fought off. The objective this year should be the greatest possible production at the lowest possible cost, regardless of which units in the trade are thereby adversely affected. Any other policy (one designed to ensure the greatest happiness of the greatest possible number of producers, for instance) will inevitably endanger the very producers who misguidedly enter upon its support.

Announcements

Mr. L. J. Hodges, A.R.I.B.A., A.M.T.P.I., has been appointed Assistant County Planning Officer (Architecture) to the Hampshire County Council. He will be pleased to receive trade catalogues, circulars, etc., at Litton Lodge, Clifton Road, Winchester (tel.: Winchester 3278).

Messrs. Covell & Matthews, F./A.R.I.B.A., of 299, Mitcham Road, Tooting, S.W.17, will be glad to receive catalogues, literature, and information sheets relating to school construction and special fittings and equipment for schools.

Mr. H. L. Bloomfield, F.R.I.B.A., has relin-

quished his appointment as Regional Technical Adviser, Building Control, and has commenced practice at 8, New Square, Lincoln's Inn, W.C.2, in association with Messrs. Clyde Young & Bernard Engle, F./L.R.I.B.A. He will be glad to receive trade catalogues and price lists. (Telephone: Holborn 1772.)

Mr. Sergei Kadleigh, A.R.I.B.A., has moved from 9, Mansfield Street, W.1, to 63, Abingdon Villas, W.8. (Telephone: Western 4402.)

The Minister of Works has made an Order (S.I. 1949, No. 479), abolishing statutory control over the prices of sanitary fireclay ware. The Minister has also authorized an increase of 5½ per cent. in current maximum selling prices.

As a result of the publication of the Fourth Edition of the Standard Method of Measurement, certain alterations have been made to the "Code for the Measurement of Building Work in Small Dwelling Houses," by the Standing Joint Committee of the RICS and the NFBTE. These amendments are listed in Circular No. 4/1949, issued by the LMBA to subscribers.

Mr. Charles H. Taylor, of Messrs. Taylor and Smith, Quantity Surveyors, Lincoln's Inn, has been elected President of the Incorporated Association of Architects and Surveyors, with Mr. Hurley Robinson, F.R.I.B.A., of Birmingham, as Chairman of Council, and Mr. A. E. Mander, L.R.I.B.A., of London, as Vice-Chairman.

Correction

Mr. S. W. Warn, who has been appointed Deputy County Architect to the Cornwall County Council, was wrongly referred to in News in Brief last week as Mr. S. W. Wain.

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

ENQUIRY FORM

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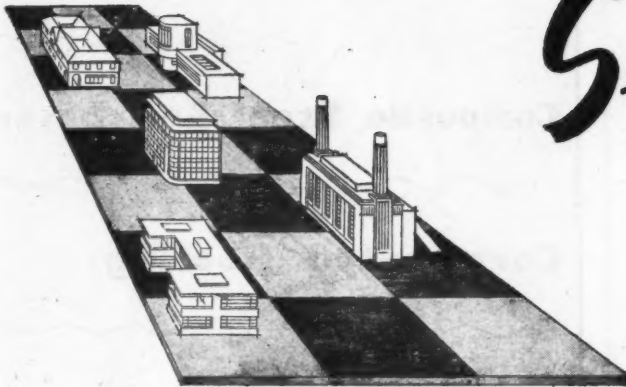
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- Pilkington's Asphalte Co. Ltd., 68 Northiam Street, Hackney, E.8
- Semtex Ltd., 185, 187, 189 Finchley Road, London, N.W.3
- The Alba Flooring Co. Ltd., West Arthurlie Works, Lochlibo Road, Barrhead, Glasgow
- The Limmer & Trinidad Lake Asphalt Co. Ltd., Steel House, Tothill Street, Westminster, S.W.1
- The Penmaenmawr & Trinidad Lake Asphalt Co. Ltd., National Bank Buildings, Fenwick St., Liverpool, 2
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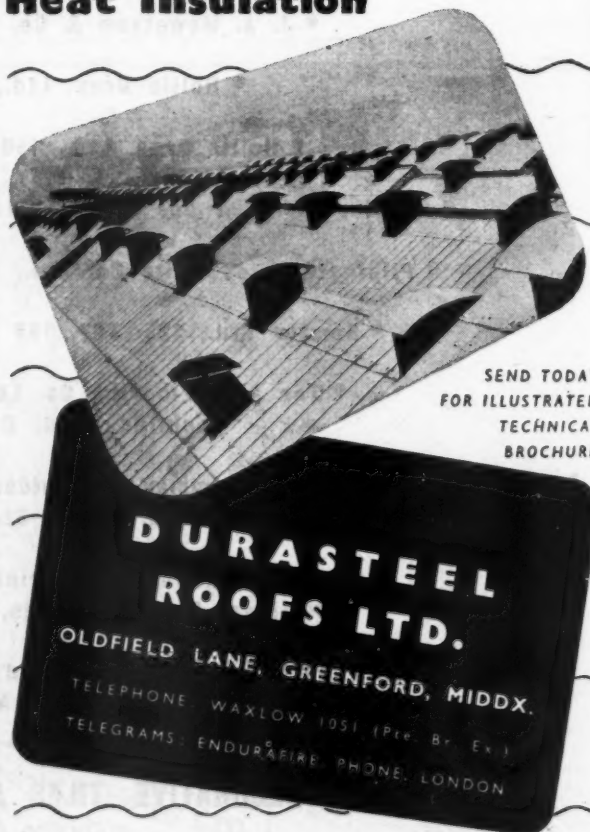
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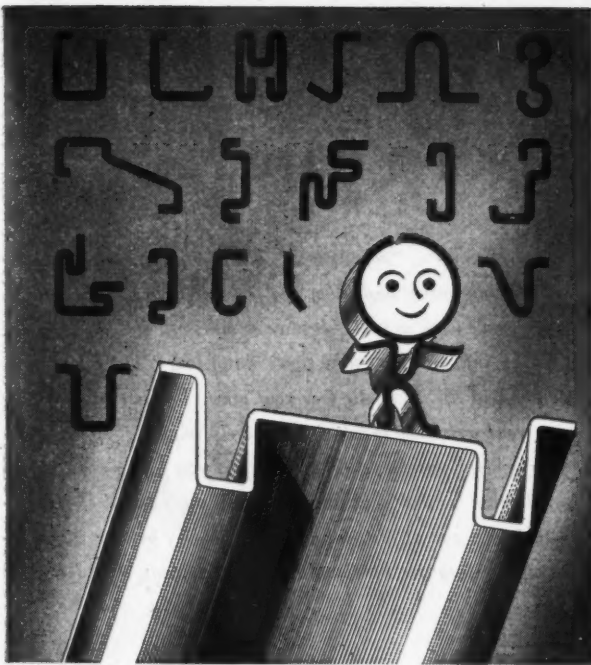
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Boss: Is it comparable with the switches we've been using?

Joe: They are all rated 5 amps, but this micro-gap job breaks double the specified load and shows no sign of wear.

Boss: That's the silver contacts I suppose.

Joe: Partly, but also I think to the extraordinary way the ball-bearing pivots preserve the mechanical condition. The action seems sweeter now than when it was new. Try it.

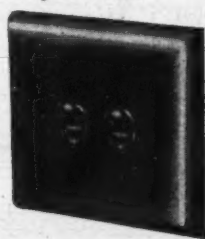
Boss: Yes, it's a perfect action—quiet too. You know this looks an unusually good switch. What's the price?

Joe: The same as we're

paying now. But the reliability, and the fact that the "Unit" construction cuts out assembly and adjustment on site, must make them much cheaper over all.

Boss: Well, we can't afford to ignore progress like this m'boy. Get NEW DAY into stock at once! I'll show this report to the architect.

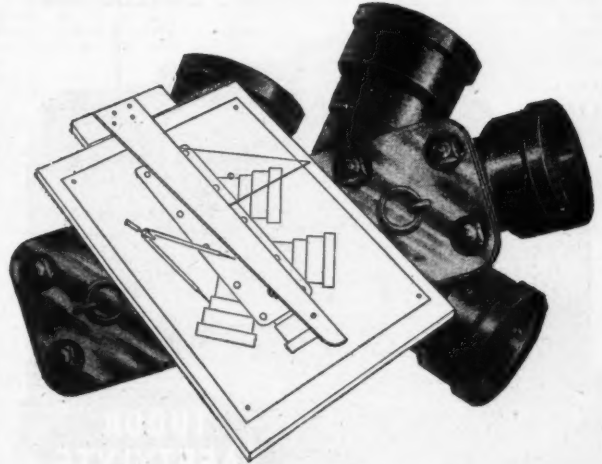
Joe: He'll like them, Sir! They're already approved by the Ministry of Works.



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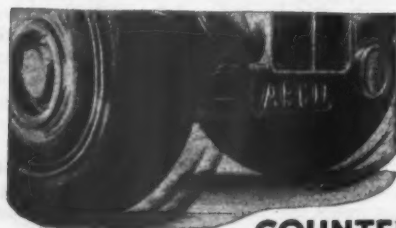
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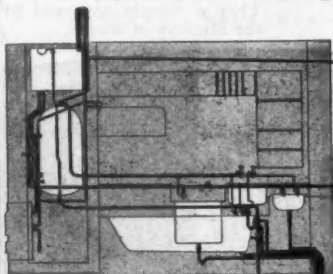
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CLASSIFIED ADVERTISEMENTS

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

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

Available only to applicants excepted from the Control of Engagements Order, 1947.

Public and Official Announcements

2ls. per inch; each additional line, 2s.

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. **ADDRESS: SECRETARY, RASTON, WARREN PARK, WHITEHALL, S.W.1. Tel.: Uplands 0935. 991**

LONDON COUNTY COUNCIL.

Applications are invited for unestablished positions of (1) ARCHITECT, Grade III (salaries up to £700 a year) and (2) ARCHITECTURAL ASSISTANTS (salaries up to £580 a year), in the Housing and Valuation Department. Commencing salaries in either grade will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Act, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

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

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.W.1 (stamped addressed envelope required, and quote Ref. G.B.3). Canvassing disallowed. (2669) 1046

COUNTY BOROUGH OF MIDDLEBROUGH. EDUCATION COMMITTEE. ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent establishment:-

(a) One CHIEF ASSISTANT ARCHITECT. A.P.T. Division, VIII (salary £685-£760 per annum).

(b) One ASSISTANT ARCHITECT. A.P.T. Division, VI (salary £595-£660 per annum).

(c) TWO ASSISTANT ARCHITECTS. A.P.T. Division, V (salaries £520-£570 per annum).

In respect of appointments (a) and (b), certain housing accommodation is being made available, and can if necessary be provided by the Authority for the successful applicant.

Applicants for appointment (a) must be Associates of the Royal Institute of British Architects; be fully conversant with the design and construction of school buildings in accordance with the requirements of the 1944 Education Act, and be capable of the supervision of drawing office staff under the Education Architect.

Applicants for appointment (b) must be Associates of the Royal Institute of British Architects, with experience in the design and construction of school buildings, and capable of carrying out large contracts.

Applicants for appointment (c) should preferably be fully qualified architects, with experience in the design and construction of school buildings.

Forms of application (which should be returned not later than 9 a.m. on Friday, 3rd June, 1949) and conditions of service may be obtained from the Director of Education, Education Offices, Woodlands Road, Middlebrough.

E. C. PARR,
Town Clerk. 992

FLINTSHIRE COUNTY COUNCIL. COUNTY PLANNING DEPARTMENT.

Applications are invited for the following appointment:-

PLANNING ASSISTANT (ARCHITECTURAL), at a salary in accordance with Grade A.P.T., VI (£595, rising to £660 per annum, consolidated). Applicants should have had considerable experience, including the control of development, in the Planning Office of a Local Authority or joint planning committee, and particularly on the architectural side of planning. The possession of a recognized architectural qualification and Corporate Membership of the Town Planning Institute is desirable. A car is essential in connection with the appointment, for which an allowance will be made in accordance with the National Joint Council's scale.

The appointment will be subject to (a) the National Scheme of Conditions of Service, as modified by the County Council; (b) the Local Government Superannuation Act, 1937, and (c) the passing satisfactorily of a 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 other persons to whom direct reference can be made, are to be submitted to me not later than the 1st June, 1949.

W. HUGH JONES,
Clerk of the County Council.
County Buildings, Mold.
May, 1949. 943

CUMBERLAND COUNTY COUNCIL. APPOINTMENT OF PLANNING ASSISTANT.

Applications are invited for the above appointment within A.P.T. Grade VI, of the National Scales, at a salary of £595-£660, with a car allowance (at present £50 per annum, plus a mileage allowance) and a subsistence allowance in accordance with the County Council's scale. The appointment is subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to undergo a medical examination.

The appointment is terminable by one month's notice in writing on either side.

Applicants should be Members or Associate Members of the Town Planning Institute, and a qualification in Civil Engineering or in Architecture will be an advantage.

The duties of the post will involve the collation of survey material, the preparation of development plans, and control of development.

Applications, stating age, qualifications, experience and previous appointments held, accompanied by names and addresses of two referees and a copy of one recent testimonial, should be sent to the County Planning Officer, Citadel Chambers, Carlisle, to arrive not later than the first post on Monday, 6th June, 1949.

G. N. C. SWIFT.

Clerk of the County Council.
The Courts, Carlisle. 988

WEST SUFFOLK COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT. APPOINTMENT OF DEPUTY COUNTY ARCHITECT.

Applications are invited for the appointment of Deputy County Architect, at a salary on A.P.T. Grade VIII (£685-£760), commencing salary according to qualifications and experience.

Applicants should be fully qualified, preferably Associates of the Royal Institute of British Architects, and should have had considerable experience of architectural design and construction, and be capable of assuming full responsibility and supervision of the day-to-day work of the Department, which is mainly concerned with new school, police, and health building work, and general maintenance and improvements of the County buildings; also possess organizing ability and experience in the management of building contracts.

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

Forms of application may be obtained from the undersigned, by whom applications, together with the names of two referees, should be received as soon as possible.

L. G. H. MUNSEY,

Clerk of the County Council.
Shire Hall, Bury St. Edmunds.
11th May, 1949. 960

COUNTY BOROUGH OF EAST HAM. TEMPORARY ARCHITECTURAL ASSISTANT-HOUSING DEPARTMENT.

Applications are invited for the temporary appointment of Architectural Assistant, at a salary in accordance with Grade A.P.T., VIII, of the National Scales (£635-£710 per annum), plus London allowance. The commencing salary may be in excess of the minimum of the scale, according to the qualifications and experience of the person appointed.

Candidates must be Fellows or Associates of the Royal Institute of British Architects, and have had administrative experience in the housing work of a Local Authority. A Town Planning qualification would be of advantage.

The Council will be prepared to consider applications for a subsistence allowance in appropriate cases should applicants be unable to obtain suitable housing accommodation.

Applications on forms obtainable from me are returnable by noon on Tuesday, the 7th June, 1949.

H. A. EDWARDS,

Town Clerk.
Town Hall, East Ham, E.5. 1000

COUNTY BOROUGH OF SUNDERLAND. APPOINTMENT OF BOROUGH ARCHITECT.

The Council of the County Borough of Sunderland invite applications from duly qualified persons for the position of Borough Architect, at a salary of £1,500 per annum, advancing by annual increments of £50 to £1,700 per annum.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the passing of a medical examination by the successful candidate. He will also be required to devote the whole of his time to the duties of the office, and the appointment will be determinable by three months' notice in writing.

Applications (upon forms provided for the purpose, which, together with particulars of duties and conditions of appointment, may be obtained from the undersigned), should be endorsed on envelope "Borough Architect," addressed to me and delivered at my office at the Town Hall, Sunderland, not later than first post on the 18th day of June, 1949.

Canvassing, either directly or indirectly, until after the first selection of candidates by the Committee, is strictly prohibited, and will be deemed a disqualification.

G. S. MCINTIRE,

Town Clerk.
Town Hall, Sunderland.
9th May, 1949. 960

GOVERNMENT OF NORTHERN IRELAND. MINISTRY OF FINANCE.

ASSISTANT ARCHITECTS AND ARCHITECTURAL ASSISTANTS.

Applications are invited for posts of Assistant Architect and Architectural Assistant in the Works Division of the Ministry of Finance. Appointments will be non-pensionable, but, as far as can be foreseen, will last for several years. Applicants will be eligible for consideration for appointment to established posts as vacancies arise. THE WORKS PROGRAMME EMBRACES DESIGN AND EXECUTION OF FACTORIES, HOUSING, SCHOOLS AND PUBLIC BUILDINGS.

Remuneration: The ranges of salary attaching to the posts are:-

Assistant Architect, Grade "B," £500-£750.
Assistant Architect, Grade "C," £400-£500.
Architectural Assistant, Grade "D," £250-£500.
Entry point will be determined according to the qualifications and experience of the successful candidate.

Qualifications: Candidates for Grades "B" and "C" must be Registered Architects, by examination. In addition, candidates for Grade "B" posts must have had good general experience in an Architect's office, including the writing of Specifications. Candidates for Grade "D" posts should have had approved experience in an Architect's Drawing Office.

Preference will be given to ex-Service candidates of the 1914-1918 or 1939-45 war, provided that such candidates can or within a reasonable time will be able to fill the posts efficiently.

Applications, giving date of birth and full details of training and qualifications, should be sent immediately to the Director of Establishments, Ministry of Finance, Stormont.

15/30/49. 976

GLENROTHES DEVELOPMENT CORPORATION invites applications from suitably qualified persons (under 45 years of age) for the following appointments:-

(1) DEPUTY CHIEF ARCHITECT AND PLANNING OFFICER. Salary £1,000-£1,250, the commencing salary to be determined according to qualifications and experience.

(2) CHIEF QUANTITY SURVEYOR. Salary £1,000 per annum.

(3) (a) ASSISTANT CHIEF PLANNER; (b) ASSISTANT CHIEF ARCHITECT (Housing); (c) ASSISTANT CHIEF ARCHITECT (Other Buildings). Salary £850-£1,000 per annum.

(4) SENIOR PLANNER; (b) SENIOR ARCHITECT (Housing); (c) SENIOR ARCHITECT (Other Buildings); (d) SENIOR ENGINEER. Salary £750-£1,000 per annum.

(5) (a) PLANNER; (b) ARCHITECT (Housing); (c) ARCHITECT (Other Buildings); (d) TWO ENGINEERS. Salary £540-£735 and £20-£760 per annum.

(6) FIVE JUNIOR ASSISTANTS. Salary £380-£420 and £10-£490 per annum.

Applicants for (1) should be Corporate Members of the R.I.B.A. and T.P.I., and should have had considerable experience in the design of large layouts and the design and construction of all types of buildings, together with a sound knowledge of contractual procedure, good administrative experience, and the ability to organize and supervise technical staff.

Applicants for (2) should be Corporate Members of the R.I.C.S., and should have considerable experience in Estimating, preparing Bills of Quantities, and settling Final Accounts of large contracts.

Applicants for 3(a), 4(a) and 5(a) should be Corporate Members of the T.P.I. and also have an appropriate Architectural or Engineering qualification; they should have a sound knowledge of town planning, with particular reference to the problems of new town development.

Applicants for 3(b), 4(b), 5(b) and 3(c), 4(c) and 5(c) should be Corporate Members of the R.I.B.A., and an additional Town Planning qualification will be an advantage. Architects (Housing) should have had experience of the design and construction of large housing layouts, and Architects (Other Buildings) of all types of public buildings appropriate to New Town development.

Applicants for 4(d) and 5(d) should be Corporate Members of the I.C.E. or I.Mun.E. For post 4(d) good general experience suitable to New Town development is expected, and for 5(d) good experience in the design and construction of roads and surveying is necessary.

Applicants for (6) will be posted to the following sections:-

Planning (one), Architects (two), and Engineers (two).

They should have passed at least the Intermediate examination of the appropriate professional body.

The posts will be superannuable under the Local Government (Scotland) Act, 1937, and successful candidates will be required to pass a medical examination.

The Corporation will give assistance in securing housing accommodation.

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

Applications, giving full particulars of the candidate's age, qualifications and experience, together with copies of not more than three recent testimonials, must reach the undersigned not later than 4th June, 1949.

INTERIM SECRETARY.

Glenrothes Development Corporation,
County Buildings, Cupar.
11th May, 1949. 1002

COUNTY OF LINCOLN—PARTS OF
LINDSEY

COUNTY PLANNING DEPARTMENT.

Applications are invited for the appointment of a SENIOR PLANNING ASSISTANT, Grade A.P.T. VI, £295-£260 per annum, on the Headquarters Staff in Lincoln.

Preference will be given to candidates who are Corporate Members of the Town Planning Institute, with additional qualifications or experience in architecture, surveying, or engineering. Experience in the preparation of outline development plans and reports for urban and rural areas is desirable, together with ability to detail the layout of residential neighbourhoods.

The appointment is subject to the Local Government Superannuation Act, 1937, to the passing of a medical examination, and to the National Scheme of Conditions of Service as adopted by the County Council. The person appointed will be required to maintain a car, for which the appropriate travelling allowance will be paid. The County Council have agreed to the payment of special subsistence and travelling allowances to newly appointed married staff during the period between their taking up appointment and securing housing accommodation, for a limited period only.

Applications, stating age, qualifications and previous experience, together with one testimonial and the names and addresses of two referees, must be forwarded to the County Planning Officer, The Castle, Lincoln, not later than 11th June, 1949.

H. COPLAND,

County Offices, Newland, Lincoln. 1007

GLOUCESTERSHIRE COUNTY EDUCATION
COMMITTEE.CHELTENHAM SCHOOL OF ART AND
CRAFTS.

Principal: A. SEATON WHITE, B.Sc.
DEPARTMENT OF ARCHITECTURE.

Applications are invited for the post of Full-time STUDIO INSTRUCTOR AND LECTURER, for work in the Department of Architecture, up to Intermediate standard. The School is a "Listed School" in the Board of Architectural education classification. Applicants should be Fellows or Associates of the Royal Institute of British Architects, and should have been trained at a recognized School of Architecture. Salary in accordance with the Burnham Scales: £300-£15-£255, plus, where applicable, additions for graduate or equivalent professional qualifications and training, with additional increments for approved professional experience after the age of 21, up to a maximum of 12 years. Subject to the conditions governing full-time teaching service, the successful candidate will be given such opportunities as may be practicable to maintain his/her professional practice. The person appointed will be required to take up duties in September, 1949.

Application forms and further particulars (stamped addressed foolscap envelope necessary) from the Principal of the School, St. Margaret's Road, Cheltenham, to whom the completed forms, together with copies of two recent testimonials, should be returned within 14 days of the publication of this advertisement. 1006

GOVERNMENT OF EAST PUNJAB, INDIA.
CONSULTING ARCHITECT to the Government of
East Punjab.

Qualifications: Candidates should be F.R.I.B.A. or A.R.I.B.A., and preferably have had at least ten years' practical experience as Consulting Architect in a Government Department or private firm. Age between 30 and 45 years on 1st April, 1949.

Terms: Contract for five years in first instance (including one year's probation), terminable by six months' notice on either side. Pay in scale Rs.1,300-Rs.60-Rs.1,600 per month (approximately £1,170 to £1,440 a year), according to age, qualifications, etc., plus £30 a month overseas pay for appointee of non-Asiatic domicile. Free passage, Provident Fund.

Further particulars and forms of application may be obtained on request by postcard quoting No. 463.F, from the High Commissioner for India, General Department, India House, Aldwych, London, W.C.2. Last date for receipt of applications 18th July, 1949. 1069

BOROUGH OF WATFORD.

BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.

APPOINTMENT OF ASSISTANT ARCHITECT.
Applications are invited for the permanent appointment of an Assistant Architect in the Borough Engineer and Surveyor's Department.

Salary on Grade III of the National Scale, £450 per annum, rising subject to satisfactory service to £495 per annum.

Preference will be given to those holding an appropriate professional qualification, and applicants must have had good experience in architectural design and construction.

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

Applications on the prescribed form must be returned to me, not later than Friday, 3rd June, 1949, endorsed "Assistant Architect."

F. C. SAGE, Assoc. M.Inst.C.E.,

M.Inst.Mun.E.
Registered Architect, Borough Engineer
and Surveyor.

Town Hall, Watford.
May, 1949.

1023

COUNTY BOROUGH OF HUDDERSFIELD.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following

appointments:—

(a) ASSISTANT ARCHITECTS. Grade VI

(£295-£260).

(b) ASSISTANT QUANTITY SURVEYOR.

Grade V (£250-£207).

(c) ASSISTANT QUANTITY SURVEYOR.

Grade IV (£240-£225).

(d) TOWN PLANNING ASSISTANT. Grade

II (£240-£225).

For appointment (a) candidates should be suitably qualified and possess a sound experience in the design, construction and maintenance of all types of buildings carried out by a Local Authority, and be capable of carrying contracts through to completion; for appointments (b) and (c) candidates should have had considerable experience in the preparation of Bills of Quantities, Specifications, and Estimates, and the settlement of Final Accounts; for appointment (d) interim development experience in a Planning Office is necessary.

Housing accommodation will be made available, if necessary, and candidates are requested to state in their application if such accommodation is required.

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

Applications, suitably endorsed, giving age, qualifications, past and present appointments, and full details of experience, together with the names of three referees, must reach the Borough Architect, High Street Buildings, Huddersfield, not later than the 31st May, 1949.

Canvassing of Members of the Council, either directly or indirectly, will be a disqualification.

HARRY BANN,

Town Clerk.

Town Hall, Huddersfield.

957

METROPOLITAN BOROUGH OF WOOLWICH.

APPOINTMENT OF CHIEF ARCHITECTURAL
ASSISTANT.

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

Salary scale £250 per annum, rising by annual increments of £25 to a maximum of £310 per annum, together with a motor car allowance in accordance with the National Charter Scale. The commencing salary will be fixed according to the experience of the successful candidate.

The appointment will be subject to the Council's Conditions of Service in force from time to time, to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side.

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

Candidates must have passed the Final examination of the R.I.B.A., and have had experience in architectural work, especially housing, undertaken by a Local Authority, the organization of the work and the supervision of staff.

Applications should be made on a form to be obtained from the Borough Engineer, Town Hall, Woolwich. These must be returned to the undersigned, with the names of three referees, not later than 3rd June, 1949.

Candidates must disclose, in writing, if they are related to any member or senior officer of the Council.

Canvassing members of the Council, either directly or indirectly, will disqualify.

DAVID JENKINS,

Town Clerk.

Town Hall, Woolwich, S.E.18.
May, 1949.

925

KENT COUNTY COUNCIL.

Applications are invited from Members of the Royal Institute of British Architects for the following appointments in the office of the County Architect, which offer interesting and varied work upon the design and erection of Fire, Health, Police and School Buildings:—

ONE SENIOR ASSISTANT ARCHITECT (A.P.T., Grade VII, £235-£210), to take charge of the work of a section of the office carrying out a number of large schemes. Candidates should have considerable experience in the design and supervision of such schemes.

ONE SENIOR ASSISTANT ARCHITECT (A.P.T., Grade VI, £225-£200), capable of taking charge of schemes. Candidates should have good experience in the design and supervision of both large and small building schemes, including housing.

FIVE ASSISTANT ARCHITECTS (A.P.T., Grade V(a), £250-£210), are also required with experience in the preparation of sketch schemes and working drawings for modern buildings.

Previous experience with a Local Authority is not essential for the above appointments.

The posts are superannuable, and successful candidates will be required to pass a medical examination.

Applications, on forms obtainable from the County Architect, Springfield, Maidstone, should be delivered to him not later than 14 days after the date on which this advertisement appears.

W. L. PLATTS,

Clerk of the County Council.
County Hall, Maidstone.

5th May, 1949.

919

BOROUGH OF WILLESDEN.
BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.

The Council invite applications for the following appointments on the staff of the Borough Engineer and Surveyor:—

(a) 2nd Class ENGINEERING ASSISTANT.

Grade A.P.T. V, £250-£200 (permanent).

(b) 2nd Class ARCHITECTURAL ASSISTANT.

Grade A.P.T. V, £250-£200 (temporary).

(c) 3rd Class ARCHITECTURAL ASSISTANT.

Grade A.P.T. III, £240-£225 (permanent).

(d) BUILDING SURVEYOR. Grade V, £250-

£200 (permanent).

Candidates for:—

(a) Should have good training and adequate experience in the design and construction of Civil Engineering Works, particularly in regard to main drainage, highway construction and maintenance and structural engineering, and should be Corporate Members of one of the recognized professional Institutions.

(b) Should have good training and general knowledge and experience of architectural work in the service of a local authority and should be Corporate Members of the Royal Institute of British Architects.

(c) Should have received suitable training and have passed the Intermediate examination of the Royal Institute of British Architects.

(d) Should have a knowledge and experience of the administration of Building Byelaws, the Town Planning Acts, and the general work of a Building Surveyor's Office, and should be Corporate Members of one of the recognized professional Institutions. In the case of this appointment it is desirable that the successful candidate should have a motor cycle or car, for which the Council will pay an allowance in accordance with the National Whitley Scale.

The appointments will be terminable by one month's notice on either side, are subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass medical examinations.

Applications, giving age, experience, etc., accompanied by copies of not more than three testimonials, should be addressed to the undersigned, suitably endorsed, not later than 10 a.m. on Friday, 10th June, 1949.

It will be necessary for the successful candidate to provide his own housing accommodation as the Council is not in a position to assist.

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

(Signed) R. S. FORSTER,

Town Clerk.

Town Hall, Dyne Road, Kilburn, N.W.6.
17th May, 1949.

1061

BOROUGH OF WALTHAMSTOW.

BOROUGH ARCHITECT'S DEPARTMENT.

ASSISTANT ARCHITECT.

Applications are invited for the permanent position of Assistant Architect, at a salary in accordance with Grade III of the National Joint Council for Local Authorities' Administrative, Professional and Technical Division (£250, rising to £295 by annual increments, plus London weighting allowance, according to scale).

Applicants must have had experience in the preparation of working and detail drawings for various classes of buildings, and should have attained the standard required for the Royal Institute of British Architects' Intermediate examination.

The appointment will be subject to the Local Government Superannuation Act, 1937, to the National Joint Council's Conditions of Service, to the successful candidate passing a medical examination, and to termination by one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by names and addresses of three persons to whom reference may be made, must reach the undersigned, endorsed "Assistant Architect," not later than Tuesday, the 7th June, 1949.

Canvassing in any form will be deemed a disqualification, and applicants must disclose any relationship to any member of the Council or holder of any senior office of the Council.

G. A. BLAKELEY,

Town Clerk.

Town Hall, Walthamstow, E.17.
26th May, 1949.

1060

IMPERIAL WAR GRAVES COMMISSION.

Applications are invited from suitably qualified candidates for the following posts:—

(a) ASSISTANT DIRECTORS OF WORKS, in the French District and North-West European District (Belgium, Holland and Germany). Salary £750-£225-£275 per annum, plus local allowance when payable.

(b) SENIOR SUPERINTENDENT OF WORKS, in the French District. Salary £625-£225-£275 per annum, plus local allowance when payable.

For (a) candidates should be Associate Members of the Institution of Civil Engineers or the Royal Institute of British Architects, for (b) membership of these two Institutes or the Royal Institution of Chartered Surveyors would be an advantage.

All candidates should be under 50 years of age and have had experience in carrying out constructional work abroad. A knowledge of the language of the country desirable. Preference will be given to ex-Service men. Applications to be addressed to: Appointments Officer, Imperial War Graves Commission, Woodburn House, Woodburn Green, High Wycombe, Bucks.

1045

SURREY COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointment:—
ARCHITECTURAL ASSISTANT, Grade I. Salary £390 to £435 per annum, plus London allowance of up to £30 per annum, according to age.

Applicants should be of good general training and give full details in their application. It is desirable that applications should be accompanied by a small sample of the applicant's work.

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

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later than the 4th June, 1949.

Canvassing, either directly or indirectly, will disqualify a candidate for consideration. The Council will be unable to provide any housing accommodation, and the successful applicant will be required to make his own arrangements in this direction.

DUDLEY AUKLAND,

Clerk of the Council.

County Hall, Kingston-upon-Thames. 999

SALOP COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments to established posts in the Department:—

(1) **CHIEF ASSISTANT QUANTITY SURVEYOR, A.P.T., Grade VIII.** Salary £685 to £760 per annum.

Applicants must be Members of the R.I.C.S. (Quantities Division), and have had administrative experience.

(2) **SENIOR ASSISTANT ARCHITECTS, A.P.T., Grades V-VI.** Salary £520 to £610 per annum.

(3) **ASSISTANT ARCHITECTS, A.P.T., Grades II-III.** Salary £420 to £495 per annum.

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

Application forms may be obtained from the County Architect, 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, 7th June, 1949.

G. C. GODBER,

Clerk of the Council.

Shrewsbury. May, 1949. 926

COUNTY BOROUGH OF GATESHEAD.

Applications are invited for **FOUR ASSISTANT ARCHITECTS**, on Grade IV of the A.P.T. Division of the National Scale of Salaries (£480-£525 p.a.).

Candidates must be Registered Architects and be Corporate Members of the Royal Institute of British Architects. They should have good experience in the design and construction of public buildings, schools and/or Municipal housing schemes.

The appointments will be subject to the Local Government Superannuation Act, 1937, and to one month's notice on either side. The successful candidates will be required to pass medical examinations. The question of housing accommodation, if found necessary, will be discussed at the interview.

Applications to be made on forms obtainable from the Chief Architect should be returned, together with copies of three recent testimonials, to H. J. Cook, A.R.I.B.A., M.I.Struct.E., Chief Architect, Municipal Buildings, Swinburne Street, Gateshead, 8, not later than the 6th June, 1949.

J. W. PORTER,

Town Clerk.

Town Hall, Gateshead, 8. 10th May, 1949. 969

WILLENHALL URBAN DISTRICT COUNCIL.

APPOINTMENT OF HOUSING ARCHITECT.

The Council invite applications for the appointment of Housing Architect.

Candidates must be at least Associates of the Royal Institute of British Architects, and have had wide experience in architectural design and construction, particularly in relation to the building of houses.

The successful candidate will be responsible directly to the Council, and the appointment will be subject to the Local Government Superannuation Act, 1937, the National Scheme of Conditions of Service, and to termination by one month's notice on either side.

Applications, stating age, qualifications, present and previous appointments, grade or salary required, particulars of experience, the names of three persons to whom reference can be made, and whether the candidate is to his knowledge related to any Member or Senior Officer of the Council, must reach me not later than Saturday, 18th June, 1949.

Canvassing will disqualify.

JOHN R. RIDING,

Clerk of the Council.

10th May, 1949. 1067

NORTH RIDING COUNTY COUNCIL.

APPOINTMENT OF COUNTY ARCHITECT.

Applications are invited from Registered Architects for the whole-time appointment of County Architect, at a salary of £1,350 per annum, rising by annual increments of £50 to £1,550 per annum, with travelling allowance on the Council's scale. The appointment covers the whole of the architectural work of the Council, except that of the Education Committee, though Architects in private practice may on occasion be invited to submit designs for larger buildings.

The appointment will be subject to three months' notice on either side, the Local Government Superannuation Act, 1937, and to a medical examination. Canvassing will disqualify.

Forms of application, together with particulars of duties and terms of conditions of appointment, may be obtained from the undersigned, by whom applications should be received not later than 11th June, 1949.

H. G. THORNEY,

Clerk of the County Council.

County Hall, Northallerton. 1066

SOMERSET COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) **ONE ARCHITECTURAL ASSISTANT, Salary, Grade VI (£595-£650).**

(b) **THREE ARCHITECTURAL ASSISTANTS, Salary Grade IV (£480-£525).**

(c) **ONE ARCHITECTURAL ASSISTANT, Salary, Grade I (£390-£435).**

Applicants for (a) must be Associate Members of the Royal Institute of British Architects, with good general Architectural experience.

The appointments will be subject to the Council's Conditions of Service in force from time to time, and to the provision of the Local Government Superannuation Act, 1937, and any amendments thereof. Selected candidates will be required to pass a medical examination.

Applications, giving full details of age, qualifications and experience, should be forwarded, together with copies of three recent testimonials, to reach the undersigned by Saturday, 4th June, 1949.

Candidates should state whether or not they are related to any Member and/or Senior Officer of the Council. Canvassing will be a disqualification.

R. O. HARRIS, F.R.I.B.A.,

County Architect.

Park Street, Taunton. 18th May, 1949. 1064

COUNTY BOROUGH OF IPSWICH.

APPOINTMENT OF SENIOR PLANNING ASSISTANT (GRADE A.P.T. VII).

Applications are invited for the above appointment in the Borough Engineer's Department.

Candidates should have passed the examination of the Joint Town Planning Board, and/or hold a recognized professional examination in Municipal Engineering, Architecture or Surveying, and should have had good experience in all aspects of planning relating to a large town. The selected candidate will be engaged on all those matters dealing with development control.

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

There is no form of application, but candidates must state age, experience, qualification, and other relevant details. Copies of not more than three testimonials must be submitted. Applications must be received by the Borough Engineer, Town Hall, Ipswich, not later than Monday, 13th June, 1949. Canvassing will disqualify. If the applicant is to his knowledge related to any Member or Senior Officer of the Council he must disclose that fact in writing when submitting his application.

J. G. BARR,

Town Clerk.

Town Hall, Ipswich. 18th May, 1949. 1063

BRITISH ELECTRICITY AUTHORITY.

SOUTH WALES DIVISION.

Applications are invited for the following appointments in the Construction Department of Divisional Headquarters:—

(a) **STYK SURVEYOR (Temporary).** Salary £650-£750 per annum.

(b) **WORKS INSPECTORS (Temporary).** Salary £450 per annum.

Applicants for (a) should be Qualified Quantity Surveyors, capable of dealing with measurements of large contracts by standard methods, preparation of Bills of Quantities, etc.

Applicants for (b) should have been engaged on large Civil Engineering works involving pile driving, bulk excavation, heavy foundation and superstructure work. A knowledge of sinking of caissons and compressed air work would be considered an advantage.

Forms of application may be obtained from the Divisional Secretary at the address below, to whom completed applications should be returned within 10 days from the appearance of this advertisement, in sealed envelope endorsed with the appointment sought.

E. J. TURNER,

Divisional Secretary.

Cardiff (Pangam Moors) Airport, Cardiff. 17th May, 1949. 1062

Ref. 149/O/GN/PM.

COUNTY BOROUGH OF CARLISLE.

CITY ENGINEER'S DEPARTMENT.

Applications are invited for the appointment of **ARCHITECTURAL ASSISTANT, Grade II, £420-£465.** Candidates should have good general experience in the preparation of Working Drawings and Details. Preference will be given to those who have passed the Intermediate examination of the R.I.B.A. and have had experience with a Local Authority.

Forms of Application and Conditions of Employment may be obtained from the City Engineer, 12, Fisher Street, Carlisle, to whom applications should be returned not later than Monday, 13th June, 1949.

H. D. A. ROBERTSON,

Town Clerk.

Town Clerk's Office, 15, Fisher Street, Carlisle. 1066

PENGE URBAN DISTRICT COUNCIL.

ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the appointment of a **Senior Technical Assistant**, in the Engineer and Surveyor's Department, at a salary according to A.P.T., Grades III and IV (£450-£525), plus appropriate London "weighting."

Applicants must be experienced in housing works, including design, construction, maintenance, and the preparation of surveys, specifications and estimates. Experience in Town Planning Scheme preparation and General Development procedure will be an advantage.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the National Joint Council Conditions of Service, and will be terminable by one month's notice on either side.

Applicants must possess the final qualifying examination of one or more of the recognized professional institutions.

Applications, endorsed "Senior Technical Assistant," stating age, experience, previous and present employment, together with the names of three referees, must be delivered to the undersigned not later than Friday, 10th June, 1949.

BERNARD FIELDING,

Acting Clerk to the Council.

Town Hall, Anerley Road, S.E.20. 17th May, 1949. 1065

BOROUGH OF WREXHAM.

HOUSING ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of:—

(a) **DEPUTY HOUSING ARCHITECT**, at a salary of £575 per annum.

(b) **ASSISTANT QUANTITY SURVEYOR or TAKER OFF**, at a salary of £420 per annum.

In the case of appointment (a) housing accommodation will be provided if required, and reasonable removal expenses paid to the successful applicant, subject to compliance with the Conditions of Appointment.

The provision of housing accommodation and removal expenses does not apply to appointment (b).

The work of the Department offers considerable scope in the administration, layout and design of houses, multi-storey flats, Shops and Business Centres and Ancillary Buildings, and amenities for one of the largest neighbourhood units in North Wales.

Applicants for appointment (a) should be qualified members of the R.I.B.A., and experience in Local Government Administration and housing work will be an advantage, although not essential.

Applicants for appointment (b) should have had considerable experience in Taking Off for Bills of Quantities, Measuring of Works and Materials for Interim Valuations and Final Accounts. Previous Local Government Service is not essential.

Conditions of Appointment and Forms of Application may be obtained from the undersigned, to whom applications, accompanied by not more than two recent testimonials, must be delivered by not later than first post on Monday, the 13th June, 1949.

PHILIP J. WALTERS,

Town Clerk.

Guildhall, Wrexham. 5th May, 1949. 1067

METROPOLITAN BOROUGH OF

SOUTH WARK.

PERMANENT APPOINTMENTS—BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited from suitably qualified persons for the following permanent appointments:—

ARCHITECTURAL ASSISTANT, A.P.T., V. Salary £550, rising to £600.

ASSISTANT QUANTITY SURVEYOR, A.P.T., III. Salary £480, rising to £525.

The appointments are subject to the Council's Conditions of Service, to the provisions of the Shoreditch and Other Metropolitan Borough Councils' (Superannuation) Acts, 1922-1937, to the passing of a medical examination, and to one month's notice on either side.

Applications should be made on forms obtainable from me, and returned not later than Tuesday, 7th June, 1949.

The Council is not in a position to assist in the provision of housing accommodation.

Canvassing in any form will disqualify.

D. T. GRIFFITHS,

Town Clerk.

Town Hall, Walworth Road, S.E.17. 16th May, 1949. 1062

**CITY AND COUNTY BOROUGH OF BELFAST.
CITY ENGINEER AND SURVEYOR'S
DEPARTMENT.**

Applications are invited for the following appointments:—

(a) **ENGINEERS, Class I.**
Candidates must be Corporate Members of the Institution of Civil Engineers or Corporate Members of the Institution of Municipal Engineers, with a minimum of five years' practical experience in Civil Engineering.

The salary attached to the office is £450 per annum, rising by annual increments of £25 to £650 per annum, plus cost-of-living bonus, at present £90 per annum.

(b) **QUANTITY SURVEYOR.**
Candidates must have practical experience of preparing estimates for all classes of building and maintenance works, measuring from plans and works in progress, compiling payments, and checking contractors' accounts, etc.

The salary attached to the office is £450 per annum, rising by annual increments of £25 to £650 per annum, plus cost-of-living bonus, at present £90 per annum.

(c) **ASSISTANT ARCHITECTS, Class I.**
Candidates must be Registered Architects, with a minimum of 5 years' practical experience as such.

The salary attached to the office is £350 per annum, rising by annual increments of £25 to £550 per annum, plus cost-of-living bonus, varying from £78 to £90 per annum.

The commencing salary in each case will be determined in the light of the qualifications and experience of the person appointed.

Candidates must not be more than 45 years of age on the date of taking up the appointment.

Preference will be given to ex-Service candidates, possessing the required qualifications, provided the Council is satisfied that such candidates can, or within a reasonable time will be able to, fill the posts efficiently.

Forms of application and conditions of appointment may be obtained from the City Surveyor at Room 39, City Hall, Belfast.

Applications, endorsed "Appointment of..." and accompanied by copies of three recent testimonials, must be lodged with the undersigned not later than 4 p.m. on Monday, 20th June, 1949.

Canvassing in any form, oral or written, direct or indirect, will, if proved to the satisfaction of the appointing authority, disqualify a candidate for appointment.

JOHN DUNLOP, Town Clerk.
City Hall, Belfast.
May, 1949. 1037

**URBAN DISTRICT OF RUISLIP.
NORTHWOOD.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

Applications are invited from qualified persons for this appointment. Salary £550-£690 (Grades V and VI). The grading for this and other posts is shortly to be reviewed. The appointment is subject to the National Scheme of Conditions of Service and to the provisions of the Local Government Superannuation Act, 1937, and accordingly the successful applicant must pass a medical examination.

A form of application (with details in respect of this appointment) is obtainable from me, and applications must be received at my office not later than Friday, 3rd June, 1949.

Canvassing, directly or indirectly, will disqualify.

B. BARKER, Clerk of the Council.
Council Offices, Northwood.
17th May, 1949. 1031

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

Applications are invited for the following appointments on the permanent staff in accordance with the National Scale of Salaries:—

(a) **SENIOR ASSISTANT ARCHITECT, Grade VII.** Salary £635-£710.

(b) **ASSISTANT ARCHITECT, Grade VI.** Salary £595-£660.

(c) **JUNIOR ARCHITECT, Grade I/II.** Salary £390-£465.

Applicants for appointments (a) and (b) should be Associate R.I.B.A., with a good knowledge of general architectural work.

Applicants for appointment (c) should have passed the Preliminary Examination of the R.I.B.A. and have had experience in general architectural work.

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

Forms of application may be obtained from **Thos. W. East, F.R.I.B.A., Borough Architect,** The Council House, Derby, and should be returned when completed, together with a copy of one testimonial and the names of two persons to whom reference may be made, to arrive not later than Monday, 6th June, 1949.

Canvassing, directly or indirectly, will be a disqualification.

E. H. NICHOLS, Town Clerk.
1014

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

Applications are invited for the appointment on the established staff of **BUILDING INSPECTOR, A.P.T., VI,** salary £595 to £660 per annum. Must have extensive knowledge of all building trades and general supervision, able to prepare specifications, concise reports and approximate estimates.

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

Application forms can be obtained from **C. H. Elkins, F.R.I.B.A., A.R.I.C.S., County Architect,** Shire Hall, Warwick, to whom they should be returned not later than 7th June, 1949.

L. EDGAR STEPHENS, Clerk of the Council.
Shire Hall, Warwick. 1022

**COUNTY BOROUGH OF ST. HELENS.
BOROUGH ENGINEER'S DEPARTMENT.**

Applications are invited for the following appointments on the permanent establishment, in accordance with the National Conditions of Service and Salary Scales:—

(a) **SENIOR ARCHITECTURAL ASSISTANT, Grade A.P.T., VI** (£595-£660 per annum). The commencing salary may be above the minimum, according to qualifications and experience.

(b) **ARCHITECTURAL ASSISTANT, Grade A.P.T., II** (£420-£465 per annum).

Consideration for housing accommodation will be given according to the circumstances of the successful applicant.

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

Candidates must, when making application, disclose in writing whether to their knowledge they are related to any member of the Council or to a holder of any senior office under the Council.

Applications, stating age, qualifications, present and past appointments and experience, accompanied by copies of three recent testimonials, must be forwarded to the undersigned not later than Saturday, 4th June, 1949.

Canvassing in any form will be deemed a disqualification.

M. WARD, M.I.Mun.E., A.M.T.P.I., Borough Engineer.
Town Hall, St. Helens.
13th May, 1949. 1021

**DURHAM COUNTY COUNCIL.
ARCHITECT'S DEPARTMENT.
APPOINTMENT OF ARCHITECTURAL ASSISTANTS AND QUANTITY SURVEYING ASSISTANTS.**

Applications are invited for the appointments of Architectural Assistants and Quantity Surveying Assistants in the following grades, in accordance with the National Joint Council for Local Authorities, Administrative, Professional, Technical and Clerical Services scales and conditions:—

Grade A.P.T., VII, £635-£710.

Grade A.P.T., VI, £595-£660.

Grade A.P.T., V, £520-£570.

Grade A.P.T., IV, £480-£525.

Grade A.P.T., III, £450-£495.

Grade A.P.T., II, £420-£465.

Grade A.P.T., I, £390-£435.

Misc. Grade I, £315-£360.

The persons appointed will be required to pass a medical examination, and the appointments are subject to the Local Government Superannuation Act, 1937, and to the regulations of the County Council relating to sickness for the time being in force.

Canvassing will disqualify, and a candidate who is related to a member or a senior officer of the Council must disclose this fact in his application.

Applications, giving particulars of age, experience and qualifications, previous and present appointments, etc., and giving the names of three persons to whom reference can be made, should be forwarded to **Mr. G. R. Clayton, F.R.I.B.A., County Architect,** Court Lane, Durham, not later than 2nd June, 1949.

J. K. HOPE, Clerk of the County Council.
Shire Hall, Durham.
12th May, 1949. 1013

**COUNTY BOROUGH OF WALSHALL.
PUBLIC WORKS DEPARTMENT.**

ASSISTANT ARCHITECT.

Applications are invited for an Assistant Architect at a salary in accordance with Grade VI of the Administrative, Professional and Technical Division of the National Joint Council's Scales of Salaries (£595-£660).

Preference will be given to candidates who are Associates of the Royal Institute of British Architects. Applicants must have had general architectural experience, especially in connection with Schools and Housing.

Consideration will be given to the provision of living accommodation for the successful applicant if this is desired.

Applications, giving age, details of qualification and experience, together with copies of three recent testimonials, should be received by the undersigned not later than Monday, 30th May, 1949.

M. E. HABBERSHON, Borough Engineer and Surveyor.
Council House, Walsall.
13th May, 1949. 1012

COUNTY BOROUGH OF BURTON-UPON-TRENT.

APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments in the Architectural Office of the Borough Surveyor:—

(1) **ARCHITECTURAL ASSISTANT,** at a salary of £520 per annum, subject to the National Scheme of Conditions of Service relating to Local Government Officers and in accordance with Grade V, A.P.T. Division. This appointment is in connection with the Council's Educational Building Programme, and applicants should preferably be Corporate Members of the R.I.B.A., but persons studying for the R.I.B.A. Final examination will be considered. A good knowledge of building construction and quantities is essential.

(2) **JUNIOR ARCHITECTURAL ASSISTANT,** at a salary of £390 per annum, subject to the National Scheme of Conditions of Service relating to Local Government Officers and in accordance with Grade I, A.P.T. Division. Applicants should have had suitable architectural training up to the standard required by the R.I.B.A. Intermediate examination and be good draughtsmen.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and to determination by one month's written notice on either side. The successful candidates will be required to pass a medical examination by the Medical Officer of Health.

Applications, in sealed envelopes endorsed (1) "Architectural Assistant, Grade V," and (2) "Junior Architectural Assistant," stating age, qualifications and experience, and accompanied by copies of not more than three recent testimonials, must be delivered to me not later than 10 a.m. on Friday, 10th June, 1949.

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

H. BAILEY CHAPMAN, Town Clerk.
Town Hall, Burton-upon-Trent.
9th May, 1949. 1019

**CITY OF LEEDS.
CITY ARCHITECT'S DEPARTMENT.**

Applications are invited for the following appointments:—

(a) **ASSISTANT ARCHITECTS.** Consolidated salary scale p.a., £595-£660.

(b) **ASSISTANT ARCHITECTS.** Consolidated salary scale p.a., £520-£560.

(c) **ASSISTANT ARCHITECTS.** Consolidated salary scale p.a., £480-£525.

(d) **ASSISTANT ARCHITECTS.** Consolidated salary scale p.a., £450-£525.

(e) **ASSISTANT ARCHITECTS.** Consolidated salary scale p.a., £450-£495.

Candidates must be Registered Architects, and should have had a thorough training and experience in architectural design and construction.

(f) **CLERK OF WORKS (PLUMBING).** Consolidated salary scale p.a., £420-£465.

(g) **CLERK OF WORKS (GENERAL).** Consolidated salary scale p.a., £390-£435.

(h) **JUNIOR CLERK OF WORKS.** Commencing salary according to age, maximum £385 p.a.

Candidates should be fully conversant with all trades and have had a wide experience of large contracts.

(i) **ASSISTANT QUANTITY SURVEYOR.** Consolidated salary scale p.a., £635-£710.

(j) **ASSISTANT QUANTITY SURVEYOR.** Consolidated salary scale p.a., £520-£560.

(k) **ASSISTANT QUANTITY SURVEYOR.** Consolidated salary scale p.a., £450-£525.

(l) **ASSISTANT QUANTITY SURVEYOR.** Consolidated salary scale p.a., £390-£465.

Candidates for (j), (k) and (l) must be qualified to prepare Bills of Quantities and finalise accounts for all classes of building works. Pre-war experience is preferred.

(m) **MATERIALS CLERK.** Consolidated salary scale p.a., £375-£420.

Candidates must have had a wide experience of the building trade and the supply of building materials.

(n) **ASSISTANT SURVEYOR.** Consolidated salary scale p.a., £520-£570.

Candidates should have had extensive experience in surveying and levelling of large sites and buildings.

(p) **JUNIOR ASSISTANT SURVEYORS.** Commencing salary according to age, maximum £385 p.a.

In each case the payment of salary increments will be subject to satisfactory service, and will be granted normally with effect from the 1st April following the completion of 6 months' service, except in the case of appointments (A) and (p) where birthday increments will be payable.

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

Applications on forms to be obtained from the undersigned, accompanied by copies of not more than three recent testimonials (not returnable), must be received by me in the envelope supplied therefor, not later than 10 a.m. on Saturday, 4th June, 1949.

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

R. A. H. LIVETT, A.R.I.B.A., City Architect.
Priestley House, Quarry Hill, Leeds, 9. 1015

URBAN DISTRICT OF EAST BARNET. ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following permanent appointments:—

(a) ENGINEERING ASSISTANT. A.P.T., Grade V.

Salary scale £520 to £570 per annum, plus the appropriate London weighting.

Applicants should be Chartered Civil Engineers or Chartered Municipal Engineers.

Housing accommodation will be rented to the successful applicant, if deemed necessary.

(b) ENGINEERING ASSISTANT. A.P.T., Grade III.

Salary scale £450 to £495 per annum, plus the appropriate London weighting.

(c) ARCHITECTURAL ASSISTANT. A.P.T., Grade IV.

Salary scale £480 to £525 per annum, plus the appropriate London weighting.

(d) ARCHITECTURAL ASSISTANT. A.P.T., Grade III.

Salary scale £450 to £495 per annum, plus the appropriate London weighting.

Applicants should be qualified by examination for the respective positions, and preference will be given to those applicants having previous experience with Local Authorities.

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

Forms of application may be obtained from the undersigned, and should be returned by not later than Saturday, 11th June, 1949.

C. M. BARNES, O.B.E., M.I.Mun.E., F.R.S.I.,
Engineer and Surveyor.

Town Hall, Station Road, New Barnet, Hertfordshire. 1049

DERBY NO. 2 HOSPITAL MANAGEMENT COMMITTEE.

CONSULTING ARCHITECT.

The above Committee are desirous of appointing a practising Architect or firm of Architects as Consulting Architect.

The selected candidate will be required to prepare and supervise future building schemes for all the hospitals within the purview of the Committee.

Applicants should preferably have had experience in the planning and construction of hospitals and alterations thereto.

They are invited to state their qualifications and terms for undertaking such duties and submit applications to the undersigned not later than 4th June, 1949.

H. A. WHITE, Secretary.

Babington House, Belper, Derbyshire. 1048

SURREY COUNTY COUNCIL.

Applications are invited for the appointment of CONTRACTS ASSISTANT (Male) in the County Architect's Department. The appointment is in the Higher Clerical Division, the salary scale being £440-£515-£485 per annum, plus London allowances. Applicants should have had experience of Local Authority administration, and a knowledge of building works, particularly progressing and statistics for contracts, will be an advantage.

Applicants, stating age, educational attainments, qualifications, and experience, should be forwarded to the County Architect, County Hall, Kingston-upon-Thames, not later than Monday, 13th June, 1949.

This advertisement is published by permission of the Ministry of Labour and National Service under the Control of Engagement Order, 1947.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 1040

COUNTY BOROUGH OF WOLVERHAMPTON. APPOINTMENT OF CHIEF ASSISTANT ARCHITECT.

Applications are invited for the appointment of Chief Assistant Architect (General Buildings) to the permanent staff in the Architectural Section of the Borough Engineer's Department. Salary A.P.T. Division, Grade VIII, £685-£760 per annum.

Applicants must be Associate Members of the Royal Institute of British Architects, and should be capable designers, with a wide experience of handling large scale building contracts.

The appointment, terminable by one month's notice on either side, is subject to the provisions of the Local Government Officers' Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination. The conditions of service will be those of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services.

Housing: A modern semi-detached house will be made available on rental to the successful applicant, if required.

Applications, stating age, qualifications, present position and full details of experience, together with copies of three recent testimonials, should be delivered to the undersigned not later than 2nd June, 1949, in a plain sealed envelope suitably endorsed.

J. BROOK ALLEN, Town Clerk.

Town Hall, Wolverhampton. 1039

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 should 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 £750-£825-£850 per annum.

Applications, marked "Senior Surveyor," should state:—

(1) Name and address.

(2) Age, whether married.

(3) Professional qualifications.

(4) Past appointments.

(5) Present appointment and salary.

(6) Experience.

(7) War service.

(8) Date available if appointed.

Names and addresses of three referees should be given, and applications should be received not later than 3rd June, 1949, addressed to the Secretary to the Board, "Dunira," Osborne Road, Newcastle-upon-Tyne, 2. 1024

PEMBROKESHIRE COUNTY COUNCIL.

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

(a) TWO ASSISTANT ARCHITECTS.

Grade A.P.T. VII to VIII, £635-£760, according to qualifications, etc.

(b) ONE ARCHITECTURAL ASSISTANT.

Grade A.P.T. V, £520-£570.

(c) THREE QUANTITY SURVEYORS.

Grade A.P.T. VII to VIII, £635-£760, according to qualifications, etc.

(d) TWO ASSISTANT QUANTITY SURVEYORS.

Grade A.P.T. V, £520-£570.

Previous Local Government experience not necessary. Scope of work includes: Educational, Police, Housing, Fire Service, and other County Buildings.

Applications, stating post and salary applied for, age, qualifications, experience, present and past posts and salaries, accompanied by copies of two recent testimonials, should be sent to the County Architect, County Offices, Haverfordwest, Pembrokeshire, on or before 9th June, 1949.

W. E. BURTON, Clerk of the County Council.

County Offices, Haverfordwest, Pembrokeshire. 1011

BOROUGH OF BRENTFORD AND CHISWICK.

APPOINTMENT OF ARCHITECTURAL
ASSISTANT.

BOROUGH ENGINEER AND SURVEYOR'S
DEPARTMENT.

Applications are invited for the above-mentioned appointment on the temporary staff, at a consolidated salary according to the A.P.T. Division, Grade VI, of the National Scheme (£595 to £660), commencing first year, plus revised London weighting, according to age.

Preference will be given to applicants who are Associate Members of the Royal Institute of British Architects (or who hold a similar qualification), but considerations will also be given to applications from persons intending shortly to take the Associate examination.

Applicants should have had experience in general architectural work, school and house planning and design, including the preparation of working drawings, specifications and setting out.

Applications for the above-mentioned appointment must be made on the prescribed form (which contains particulars and conditions of appointment), obtainable from the undersigned, by whom applications must be received not later than the 8th June, 1949.

W. F. J. CHURCH, Town Clerk.

Town Hall, Chiswick, W.4. 1010

SUNBURY-ON-THAMES URBAN DISTRICT ARCHITECTURAL ASSISTANT.

The Council invite applications for the above-mentioned permanent appointment in the Surveyor's Department, at a salary in accordance with Grade III of the A.P. and T. Division of the National Scales, viz., £450-£515 to £495 per annum, plus appropriate London "weighting."

Candidates must have good experience in the preparation of drawings, details, and specifications for general architectural work, and be able to demonstrate originality in design. Qualifications are not a condition of appointment; but candidates will be required to produce evidence of ability, and other things being equal, preference will be given to suitably qualified applicants.

Housing accommodation, if required, will be made available to the successful candidates.

Applications should be forwarded to the Engineer and Surveyor of the Council at the address below, to reach him by first post on the 4th June, 1949. Testimonials need not be sent, but the names of two referees must be given.

Canvassing will disqualify.

T. L. WATTS, Clerk of the Council.

Council Offices, Sunbury-on-Thames. 1009

HEPTON RURAL DISTRICT COUNCIL. APPOINTMENT OF CLERK OF WORKS.

Applications are invited for the position of Clerk of Works in the Architect's Department of the above Council.

The appointment will be of temporary nature, but will be for period of at least two years.

The person appointed will be engaged substantially on work on new housing estates, and particularly on erection of houses, and construction of roads, sewers and surface water drains.

The commencing wage will be at a rate of £8-29 per week, according to experience and qualifications.

Applications, giving details of age, qualifications and experience, and date when at liberty, should reach the undersigned not later than noon on Tuesday, 31st May, 1949.

E. H. BLACKBURN, Clerk to the Council.

District Bank Chambers, Hebden Bridge. 1018

CITY AND COUNTY OF NEWCASTLE-UPON-TYNE. CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the post of SENIOR ASSISTANT ARCHITECT (Structural Design Section) in the office of the City Architect. Applicants must be experienced in the design of Steel and Reinforced Concrete construction, and experience in the design of Multi-storied Flat development will be considered an advantage.

The officer appointed will be responsible for the preparation of working drawings and calculations for steel and reinforced concrete framed buildings, and other constructional details.

Salary £810 per annum, rising by annual increments of £50 to a maximum of £910 per annum.

The appointment will be subject to the National Conditions of Service as adopted by the City Council, to the provisions of the Local Government Superannuation Act, 1937, and to three months' notice on either side. The successful candidate will be required to pass a medical examination.

Favourable consideration will be given to the provision of housing accommodation, if required.

Applications, stating age, particulars of training, qualifications, experience, present and previous appointments, together with copies of two recent testimonials and names and addresses of two persons to whom reference may be made, to be addressed to the City Architect, 13, Cloth Market, Newcastle-upon-Tyne, 1, and to reach him not later than Saturday, the 4th June, 1949.

JOHN ATKINSON, Town Clerk.

Town Hall, Newcastle-upon-Tyne, E. 1066

CITY OF COVENTRY.

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

(a) ONE ASSISTANT ARCHITECT. Salary on Grade A.P.T. VII, commencing at £535 per annum and rising to £710 per annum.

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

(c) ONE ASSISTANT ARCHITECT. Salary on Grade A.P.T. IV, commencing at £480 per annum and rising to £525 per annum.

Applicants should be Associate Members of the Royal Institute of British Architects, or hold equivalent qualifications.

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

Applicants should have passed the Intermediate examination of the Royal Institute of British Architects.

(e) ONE ASSISTANT ARCHITECT. Salary on Grade A.P.T. II, commencing at £420 per annum and rising to £465 per annum.

(f) CHIEF QUANTITY SURVEYOR. Salary on Grade A.P.T. VIII, commencing at £685 per annum and rising to £760 per annum.

Applicants should be Members of the Royal Institute of Chartered Surveyors (Quantities Division), and should have a wide experience of all branches of Quantity Surveying appertaining to the work of a Local Authority.

In certain circumstances, housing accommodation may be made available for the successful applicants in the cases of (a), (b) and (f).

Salary increments are subject to satisfactory service.

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

Applications for all the above appointments must be made on the forms obtainable from the undersigned, and should be returned completed, together with copies of not more than two recent testimonials, or names of two persons to whom reference may be made, not later than ten days after the publication of this advertisement.

Canvassing, directly or indirectly, will be a disqualification.

D. E. E. GIBSON, City Architect.

11, Warwick Row, Coventry. 1063

**BOROUGH OF COLCHESTER.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

Applications are invited for the above-mentioned appointment, in the Borough Engineer's Department, at a salary in accordance with A.P.T., Grade IV, of the National Scales of Salaries (£480, rising by annual increments of £15 to £525 per annum).

Applicants should have received a thorough training in general architectural work, and have had good experience in design and construction; also in the preparation of working drawings and site surveys, preferably in connection with housing work undertaken by a Local Authority.

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

Applications, stating age, qualifications, and experience, endorsed "Architectural Assistant," and accompanied by a copy of a recent testimonial, and giving the names of two persons to whom reference may be made, should be delivered to the Borough Engineer, 64, West Stockwell Street, Colchester, not later than 6th June, 1949. Canvassing will disqualify, and applicants must state whether they are related to any member or senior officer of the Council.

N. CATCHPOLE,

Town Clerk.

Town Hall, Colchester.

1033

**CITY OF BIRMINGHAM EDUCATION
COMMITTEE.
BIRMINGHAM CENTRAL TECHNICAL
COLLEGE.**

SUFFOLK STREET, BIRMINGHAM, 1.
Principal: J. WILSON, B.Sc., B.Com., M.I.Mech.E.
DEPARTMENT OF BUILDING AND
STRUCTURAL ENGINEERING.

Applications are invited for the following full-time appointment:—

ONE ASSISTANT LECTURER, in Building Construction and Associated Subjects. Applicants should possess one of the following qualifications:—(a) A.R.I.B.A.; (b) A.M.I.Struct.E.; (c) L.I.O.B.; (d) A.H.C.E.S.; (e) Higher National Certificate in Building.

Salary will be in accordance with the Burnham Technical Scale. Basic scale (men) £300×£15—£565. Additions to the scale may be given for academic or professional qualifications and training, and the commencing salary will depend upon professional or industrial experience.

The person appointed will be required to take up duty on the 1st September, 1949.

Conditions of appointment and form of application may be obtained from the Principal of the College on receipt of stamped addressed foolscap envelope. The last day for receipt of applications is two weeks after the appearance of this advertisement.

R. L. RUSSELL, Chief Education Officer.

1029

**BOROUGH OF SWINDON.
APPOINTMENT OF QUANTITY SURVEYOR.**

Applications are invited for the appointment of a Quantity Surveyor in the Borough Architect and Planning Officer's Department, at a salary in accordance with A.P.T., Grade VII (£635-£710).

Applicants must be experienced in all branches of the work as applied to Local Authorities, and competent to prepare Estimates, Bills of Quantities, Specifications, etc., and to measure up for and prepare interim and final accounts.

Applicants should also have had experience in the preparation of valuations, schedules of dilapidations, estimates, and the control of the work of construction and maintenance carried out by direct labour.

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

Applications, on forms obtainable from me, must be returned not later than 4th June, 1949.

Canvassing will be a disqualification.

D. MURRAY JOHN,

Town Clerk.

Civic Offices, Swindon.

9th May, 1949.

1005

**ESSEX EDUCATION COMMITTEE.
SOUTH-WEST ESSEX TECHNICAL COLLEGE
AND SCHOOL OF ART.**

FOREST ROAD, WALTHAMSTOW, E.17.

Required, **STUDIO MASTER AND LECTURER**, in Architectural Design and/or Draughtsmanship. Ability to take classes in technique of presentation will be an advantage. The post involves studio work in connection with the full-time courses of study for the Examinations of the R.I.B.A.

Salary scale, £300 × £15—£555, with the addition of a London allowance of £36 or £48, according to age, plus allowances up to £45 for recognized full-time training and £30 for graduate qualifications. In fixing the basic salary, up to twelve increments may be allowed for suitable professional experience.

Applications (no forms), giving full particulars of training, qualifications and experience, should be submitted to the Clerk to the Governors at the College, within two weeks of the appearance of this advertisement.

D. N. BUNGEY,

Acting Chief Education Officer.
County Offices, Chelmsford.

1006

**COUNTY COUNCIL OF NORTHUMBERLAND.
COUNTY ARCHITECT'S DEPARTMENT.**

Applications are invited for the post of **ASSISTANT ARCHITECT, A.P.T., Grade IV** (consolidated salary £480-£525), or **Grade V** (consolidated salary £520-£570).

The commencing salary and grade will be in accordance with the qualifications and experience of the candidate.

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

Applications, stating age, qualifications and previous experience, accompanied by recent testimonials, should be forwarded to the County Architect, County Hall, Newcastle-upon-Tyne, not later than 31st May, 1949.

1008

**EAST SUFFOLK COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.**

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

GRADE B ASSISTANT ARCHITECTS, A.P.T., Grade V. Consolidated salary £520-£570.

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

Applicants for these appointments should preferably be Members of the R.I.B.A. They must be quick and accurate draughtsmen, fully conversant with 1 in. scale, 1/2 in. and full-size details for all types of building normally dealt with by a Local Authority, and have a good knowledge of design, construction and specifications.

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

Applications, stating age, qualifications and full details of previous experience, accompanied by copies of three recent testimonials, should be sent to E. J. Symcox, F.R.I.B.A., County Architect, County Hall, Ipswich, not later than 10th June, 1949.

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

G. C. LIGHTFOOT,

Clerk of the Council.

County Hall, Ipswich.

1036

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

Applications are invited for the appointment of **QUANTITY SURVEYOR** (salary Grade A.P.T. VII, £585×£25—£760) in the above Department.

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

Candidates should be associates of the Royal Institute of Chartered Surveyors (Quantities Section), and be experienced in the preparation of Bills of Quantities, Estimates, Specifications, Measuring for Interim and Final Certificates, and settling Final Accounts.

Applications, suitably endorsed, stating age, qualifications, experience, previous appointments, present appointment and salary, accompanied by two recent testimonials, and giving the name of one referee, should be delivered to the undersigned not later than 6th June, 1949.

IVOR EVANS,

Clerk of the Council.

County Council Offices, Aberystwyth.

18th May, 1949.

1077

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

Applications are invited for the following appointment:—

QUANTITY SURVEYOR, Grade II, £420-£465.

Preference will be given to candidates who have passed, or are at the standard of, the Intermediate examination of the R.I.C.S. (Quantities Sub-Division), and must be capable of squaring and abstracting dimensions, and will be expected to give general assistance in the preparation of Bills of Quantities and the settlement of accounts.

Applications, stating age, qualifications and experience, accompanied by copies of two recent testimonials, are to be sent to the County Architect, 3, Becket Street, Oxford, not later than the 2nd June, 1949.

The post is subject to the provisions of the Local Government Superannuation Act, 1937, the passing of a medical examination, and is determinable by one month's notice on either side.

F. G. SCOTT,

Clerk of the Council.

County Hall, Oxford.

18th May, 1949.

1074

BOROUGH OF BARNES.

TEMPORARY ARCHITECTURAL ASSISTANT.

Applications are invited from students of recognized Architectural Schools, who will shortly complete their training, for the appointment of temporary Architectural Assistant, at the salary of £200×£15—£465 per annum, plus London weighting.

Applications, giving the names of three referees, must be sent to the undersigned not later than 18th June, 1949.

W. R. SHEPHERD, A.M.I.C.E.,

A.M.T.P.I.,

Borough Engineer and Surveyor.

Municipal Offices, Sheen Lane,

London, S.W.14.

1078

**COUNTY BOROUGH OF SOUTH SHIELDS.
BOROUGH ENGINEER'S DEPARTMENT.**

Applications are invited from persons with appropriate academic qualifications and experience for the position of:—

(a) **CHIEF ASSISTANT QUANTITY SURVEYOR, Grade A.P.T. VII (£635-£710).**

(b) **SENIOR PLANNING ASSISTANT, Grade A.P.T. V (£520-£570).**

(c) **FIRST ASSISTANT ARCHITECT, Grade A.P.T. VI (£595-£660).**

(d) **SECOND ASSISTANT ARCHITECT, Grade A.P.T. IV (£480-£525).**

(e) **SECOND ASSISTANT ENGINEER, Grade A.P.T. IV (£480-£525).**

Applications for the above appointments must be made on forms obtainable from the Borough Engineer, Lt.-Col. John Reid, O.B.E., M.I.C.E., M.I.M.E., Town Hall, South Shields, and returned not later than Thursday, 9th June, 1949, appropriately endorsed.

Appointments will be subject to:—

(1) Provisions of Local Government Superannuation Act, 1937.

(2) National Conditions of Service.

(3) Satisfactorily passing of medical examination.

(4) Termination by one month's notice on either side.

Housing accommodation will be made available for successful applicants for positions of Chief Assistant Quantity Surveyor and First Assistant Architect.

Canvassing will be a disqualification and applicants must disclose any relationship to members or senior officers of the Council.

HAROLD AYBRY,

Town Clerk.

Town Hall, South Shields.

12th May, 1949.

1030

**WIEWSLEY AND WEST DRAYTON URBAN
DISTRICT COUNCIL.**

The above-named Council invite applications for the following post in the department of their Engineer and Surveyor:—

ARCHITECTURAL ASSISTANT (Miscellaneous Grade II, £375-£420 per annum).

The appointment is permanent, and will be subject to the National Scheme of Conditions of Service, and to the Local Government Superannuation Act, 1937, as amended.

The Council are prepared to assist, if required, in providing the successful applicant with housing accommodation.

It is a condition of service that the person appointed shall be, or shall become as soon as possible after commencing duty, a member of a Trade Union, Professional Organization, or other recognized negotiating body.

All applications, which must be made on forms to be obtained from the Council's Engineer and Surveyor, must reach him not later than Wednesday, the 15th June, 1949, and must state if the applicant, to his knowledge, is related to any Member or Senior Officer of the Council.

Canvassing will disqualify.

A. C. KENNEDY,

Clerk of the Council.

Council Offices, Wiewsley.

West Drayton, Middlesex.

19th May, 1949.

1076

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

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

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

The salary will be in accordance with Grade A.P.T. VI, of the National Scales of Salaries (£595×£20×£25—£660). Applicants must possess the A.R.I.B.A. or equivalent examination.

There is no form of application, but candidates must state age, experience, and any other relevant details, and submit copies of not more than three recent testimonials.

Applications must be received by the Borough Surveyor, Town Hall, Ipswich, not later than first post on Monday, the 13th June, 1949.

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

J. G. HARR,

Town Clerk.

Town Hall, Ipswich.

20th May, 1949.

1093

**BOROUGH OF SOUTHALL.
APPOINTMENT OF ARCHITECTURAL
ASSISTANT.**

Applications are invited for the appointment on the permanent staff of Architectural Assistant, in the Borough Engineer's Dept., at a salary in accordance with A.P.T., Grade IV, of the National Scheme (£480-£525), plus appropriate London weighting.

Candidates should have passed the R.I.B.A. Intermediate examination and have had Local Government experience.

The post is subject to one month's notice on either side and to the Local Government Superannuation Act of 1937.

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

Application, on forms to be obtained from the Borough Engineer, Town Hall, Southall, must be returned to him by 5 p.m. on 13th June, 1949.

J. S. SYRRETT,

Town Clerk.

Town Hall, Southall.

20th May, 1949.

1092

Partnerships and Financial

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ESTABLISHED Firm of Architects offers Partnership, with basic salary of £1,000 p.a. and share in profits, to fully qualified and experienced ARCHITECT, with good design ability and capable of controlling drawing staff. Please reply, stating age, training, and experience to Box 1080.

ARCHITECT, in West Riding of Yorkshire, with extensive and varied practice, requires **JUNIOR PARTNER**, between 30 and 40 years of age. Must be qualified and fully experienced (if possible with knowledge of quantities), and accustomed to taking responsibility. Excellent prospects for capable man possessing both personality and ambition. Yearly salary during probationary period of about 2 years, £500-£700. Write, with full details, including education, experience, and the necessary personal particulars, to Box 1027.

Architectural Appointments Vacant

4 lines or under, 5s.; each additional line, 1s. 6d.
SEELY & PAGET, F./L.R.I.B.A., require fully qualified ASSISTANT; must be experienced working drawings and specifications, with sound knowledge of all normal methods of construction; licensed work now in hand includes many important Ecclesiastical commissions. Apply by letter, giving usual details, to 41, Cloth Fair, E.C.1. 652

ARCHITECT'S ASSISTANT required for domestic and industrial practice; neat and accurate draughtsman essential; capable of preparing working drawings and supervising jobs. State experience and salary required to R. Jelinek-Karl, Chartered Architect, 22, Chancery Lane, W.C.2. 876

ARCHITECTURAL DRAUGHTSMAN required for large Industrial and Commercial Company in London; should be able to make site surveys, prepare working and detail drawings and specifications; please state age, experience, and salary required. Box 777.

ARCHITECT'S ASSISTANT required immediately. Leeds area; must be experienced in working drawings, details, levelling, etc. Write, stating age, experience and salary required, to Box 826.

CAPABLE ASSISTANT required for general practice in Central London; must be experienced in the preparation of working drawings, specifications, building surveys and levelling. Salary and full particulars to Box 950.

ARCHITECTURAL ASSISTANT required by Truman, Hanbury, Buxton & Co., Ltd.; applicant should be A.R.I.B.A., and between 30 and 40 years; five-day week; superannuation scheme for permanent staff. Reply, stating age and experience, to Architect, Truman, Hanbury, Buxton & Co., Ltd., 91, Brick Lane, London, E.C.1. 963

ARCHITECTURAL ASSISTANT required; R.I.B.A. Intermediate or Final standard; good draughtsman. Apply, stating age, experience, and salary required, to Farmer & Dark, Chartered Architects, Terminal House, Grosvenor Gardens, London, S.W.1. 1026

REQUIRED at once by firm of Architects in South Kensington area a fully qualified and experienced ASSISTANT; salary £12 to £15 per week, according to ability. Box 1073.

ARCHITECTURAL ASSISTANT required immediately. Apply, stating age, experience and qualifications, Messrs. Martin & Martin & W. H. Ward, 106, Colmore Row, Birmingham. 954

LONDON Architects require **SENIOR** and **JUNIOR ASSISTANTS**; salary in accordance with abilities and experience. Apply Box 1053.

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TWO ASSISTANT ARCHITECTS. Salary £420-£485 per annum. Applicants should be good draughtsmen, having a sound knowledge of construction. These appointments are permanent and offer prospects of up-grading.

Successful candidates will be required to undergo a medical examination for a compulsory Superannuation Scheme.

Applications, stating age, experience and qualifications, to be addressed to the Chief Architect, Co-operative Wholesale Society, Ltd., 99, Leman Street, London, E.1. 1058

ARCHITECTURAL ASSISTANTS required; one with at least 5 years' office experience, and able to take charge of job. Also **JUNIOR ASSISTANT**, with some training; office experience desirable, but not essential; salaries according to ability. Welch & Lander, F.F.R.I.B.A., 38, Gloucester Place, W.1. Welbeck 6551. 1017

DRAUGHTSMAN, Architectural (R.I.B.A.), for Design and Development of Building Schemes; experience in architectural development work necessary. Apply, stating experience and salary required, to Works Engineer's Dept., Austia Motor Co., Ltd., Longbridge Works, Birmingham. 1026

ASSISTANT ARCHITECT required by the Architect's division of London Store, with extensive property throughout the country; fully experienced man required, used to responsibility; salary £750. Write, stating age and full particulars, to Box AJ 114, L.P.E., 110, St. Martin's Lane, W.C.2. 1034

ARCHITECTURAL ASSISTANT wanted immediately in busy country practice; to be experienced in working up drawings from sketch schemes; good salary and prospects. Box 1050.

ARCHITECTURAL ASSISTANT required by progressive Group of Architects in East Anglia; standard required between Intermediate and Final, with previous office experience. Reply, stating age, experience, and salary required, Box 1030.

YOUNG ASSISTANT required immediately for South Coast office; must have at least Inter. R.I.B.A. and some office experience; good prospects for neat and accurate draughtsman; salary according to experience and ability. Write, stating full details, to Box 1035.

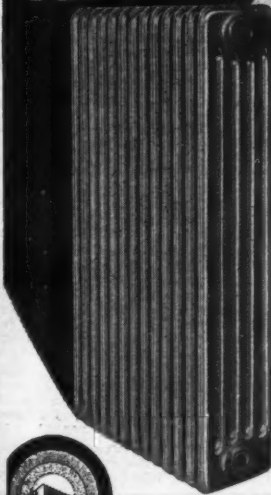
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L. & C. HANNEN & PARTNERS, Chartered Architects, urgently require **TWELVE ASSISTANT ARCHITECTS**, to work in the evenings at their London office, 7, Victoria Street, S.W.1 (Abbey 2033/4, 4254); state evenings and hours available, by letter or 'phone; remuneration by arrangement. 1043

JUNIOR ARCHITECTURAL ASSISTANTS required. Write, giving full particulars, to Johns & Slater, A.R.I.B.A., 8, Lower Brook Street, Ipswich. 1046

SENIOR ARCHITECTURAL ASSISTANT required for Bristol office; must have good general experience and sound knowledge of construction; salary up to £800 p.a., according to qualifications. Also **JUNIOR ARCHITECTURAL DRAUGHTSMAN**; salary up to £400 p.a., according to qualifications. Box 1047.

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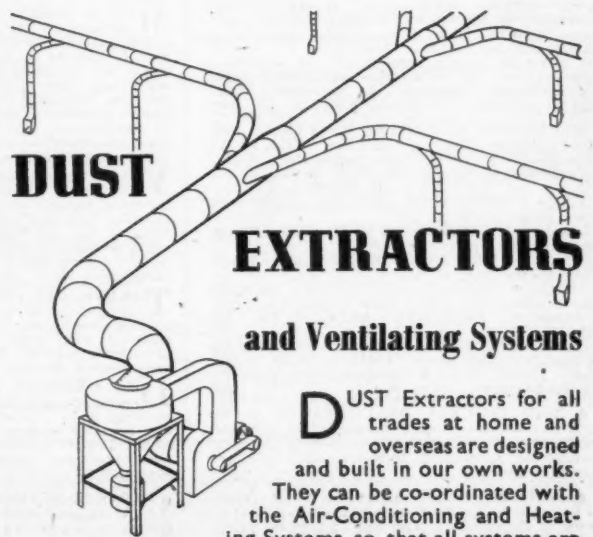
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ASSISTANT required by Manchester Architects, Inter. R.I.B.A. standard; capable of making building surveys, preparing detailed drawings and specifications; progressive position; state age, experience and salary. Box 930.

QUALIFIED CHIEF ASSISTANT (not under 35) required for busy East Anglian office; housing accommodation provided if required; car owner-driver; good designer; experienced in controlling jobs through all stages. Reply, stating salary required and with full details, to Box 974.

ARCHITECTURAL ASSISTANTS required at main office, Hammersmith; housing and general design, for work in England and overseas; particular openings for men capable of producing perspective drawings, also for men interested in shuttering design; salaries ranging from £400 to £500 per annum, according to qualifications and experience. Apply, giving detailed particulars, to George Wimpey & Co., Ltd., Hammersmith Grove, London, W.6. 1054

ARCHITECTURAL ASSISTANT required; salary according to ability; good draughtsmanship; experience in surveys, working drawings, specifications. Apply Ernest L. Freud, M.Inst.R.A., 32, St. John's Wood Terrace, N.W.8. Primrose 1727. 896

ASSISTANT required, with knowledge of Structural Design, prepared to study application of aluminium alloys to all types of Building Construction; age, experience, salary required. Box 1059.

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QUALIFIED ARCHITECT as Assistant to Manager of Works Maintenance Department, J. Sainsbury, Ltd., Multiple Food Retailers; work includes maintenance, alterations, and extensions in business and domestic premises; permanent pensionable appointment; commencing salary £800 per annum. Applicants, who should be under 40, should give details of education, qualifications, and of previous and present posts, to Personnel Manager, J. Sainsbury, Ltd., Stamford House, Blackfriars, S.E.1. 1065

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ARCHITECTURAL ASSISTANT of Intermediate standard, required immediately by Firm of Architects in West End of London; salary according to experience and qualifications. Box 1068.

ESTABLISHED Firm of Architects offers salary from £1,200 p.a. to fully qualified and experienced ARCHITECT, with good design ability, and capable of controlling drawing staff. Please reply, stating age, training and experience to Box 1081.

Architectural Appointments Wanted

QUALIFIED QUANTITY SURVEYOR (35), London trained, seeks appointment with Architects or Surveyors, where unfurnished room(s) is available. Box 281.

ASSISTANT SURVEYOR (age 23), taken Inter. R.I.C.S. (Building), 1949, 4 years' experience in all kinds survey work (for valuations, war damage, dilapidations, quantities), good draughtsman, articles served, seeks further experience in progressive firm. Box 291.

ARCHITECTURAL ASSISTANT, with 20 years' practical experience in large industrial works, general and domestic work, capable of preparing working and detail drawings, supervising of large jobs, specifications, desires job in responsible permanent position. Box 295.

SENIOR ARCHITECT desires permanent responsible position with industrial company, or as Chief Assistant, with view to Partnership, in private firm of Architects; salary £750 p.a. Box 293.

STUDENT R.I.B.A., due to qualify July (Dip. Arch.), 2½ years' practical experience, good at design, requires progressive position in South of England; age 28; married, accommodation required. Box 294.

STUDENT, with 3 years' college training, 8 months' office experience, returning to college in the autumn, requires temporary employment from Whitsun to the beginning of August. Box 296.

STUDENT, London, 3rd year, requires part-week evening work; tracings, etc. Box 297.

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SENIOR DRAUGHTSMAN/DESIGNER (preferably architect-trained) wanted for work on major exhibition project; also DISPLAY DESIGNER (fast draughtsman, rough models). Reply, stating age, salary required, experience of exhibition or display work, in confidence. Box 933.

MAN or Woman, with sound training and experience in the building-trade required by a specialist roofing firm with a growing business; must be able to do simple drawings and take off quantities for estimates; Working district; starting salary from £350 to £500, according to experience, with good prospects for the right person who is prepared to specialise in this work; plenty of commensurate and the highest personal references are essential; please write fully; references will be returned if desired. Box 1072.

YOUNG Qualified ARCHITECT (Male) wanted as DESIGNER to a large firm manufacturing bar-equipment and furniture; would be expected to design bar interiors for Hotels, Clubs, Airports, etc., and would have opportunities for exhibition and industrial design, showrooms, etc. Apply, stating salary required, Box No. 220, 19-21, Corporation Street, Birmingham, 2. 1044

TAKERS OFF, ESTIMATORS, urgently required in W. London area; knowledge of pre-cast reinforced concrete preferred, but not essential; 5-day week; canteen and staff transport facilities available. Write, stating age, experience, present position, and salary, to Box 1004.

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CAPABLE DRAUGHTSMAN required for busy Winchester Architects' office (Male); salary offered £250-£350 p.a., according to experience. Write, with copies of three testimonials, to Box 1079.

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In the North East of England



PHILIPSON STUDIOS

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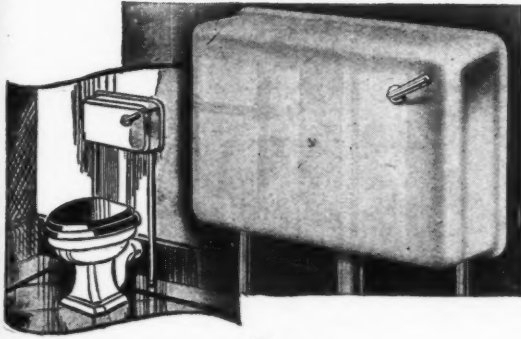
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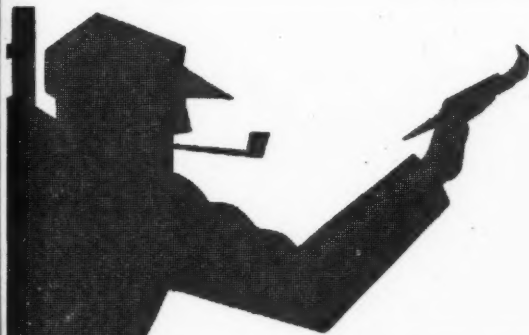
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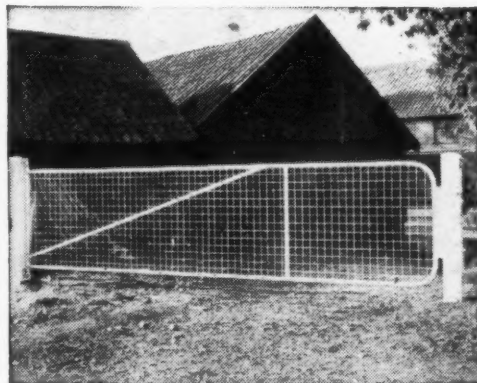


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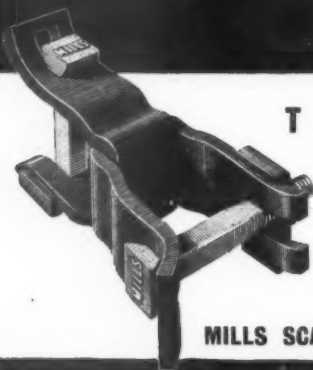
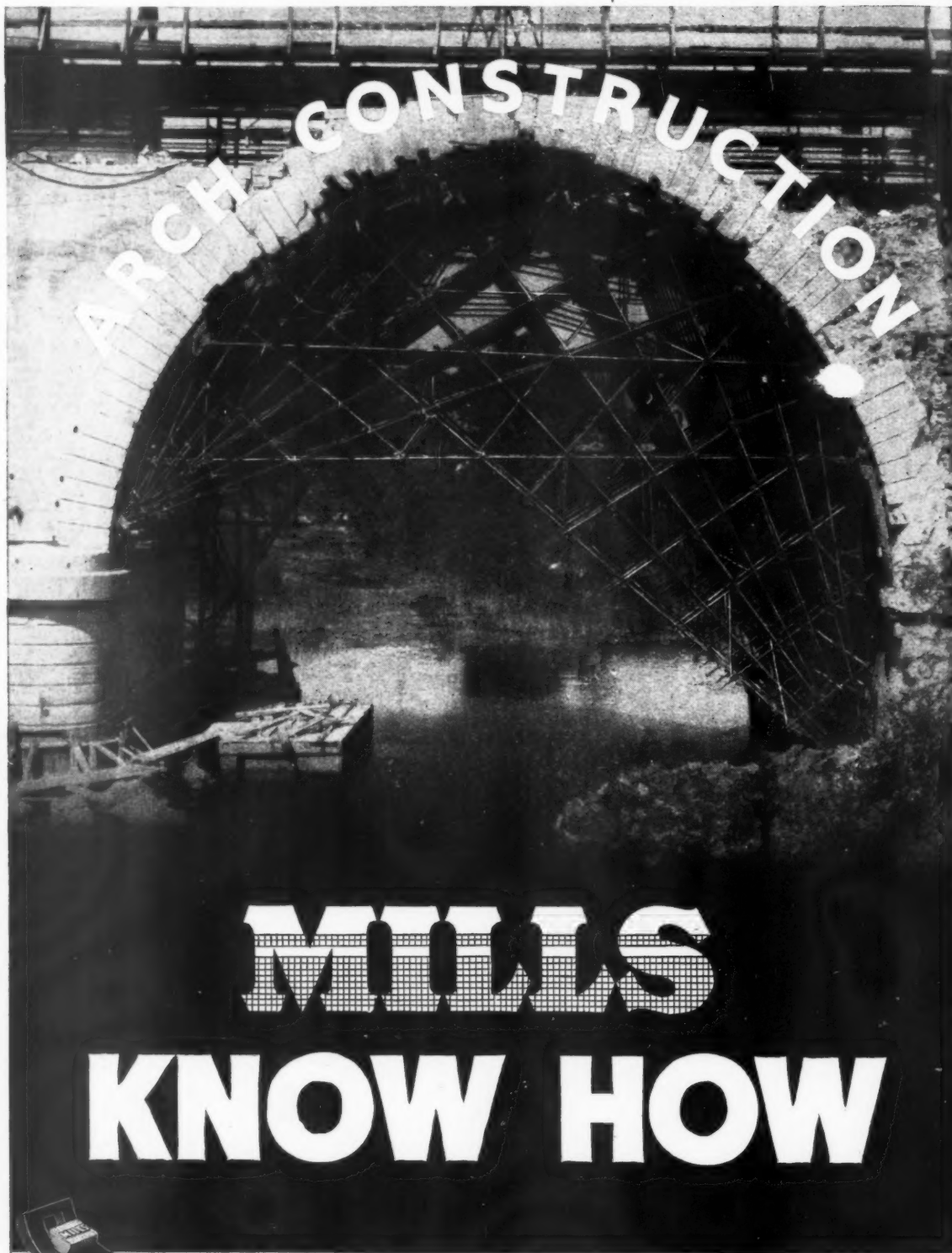
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