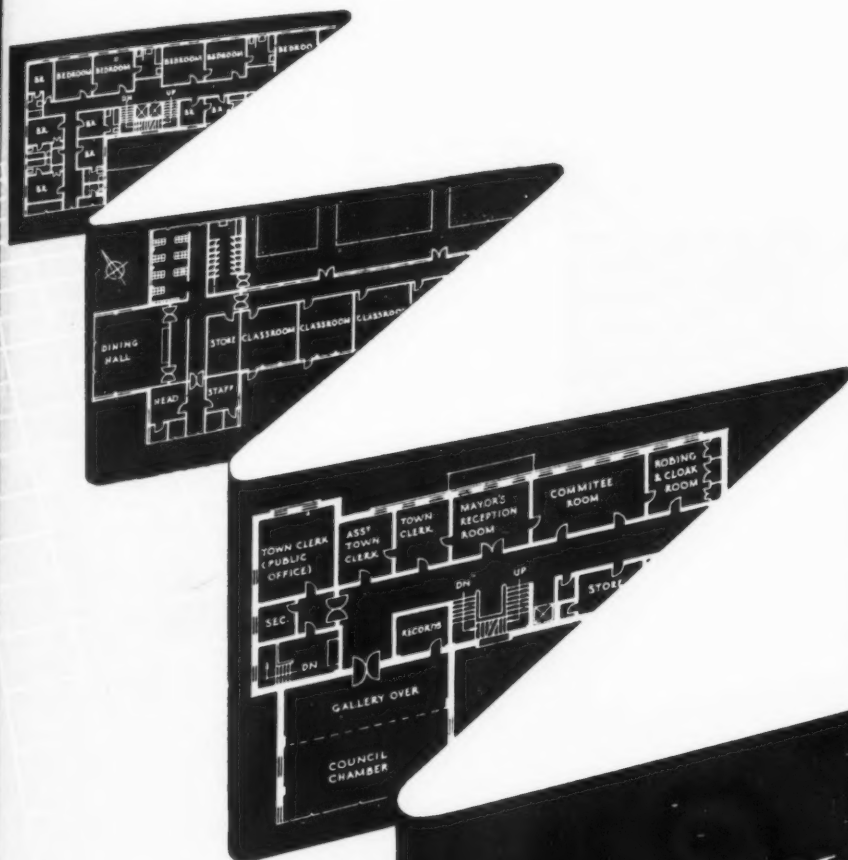


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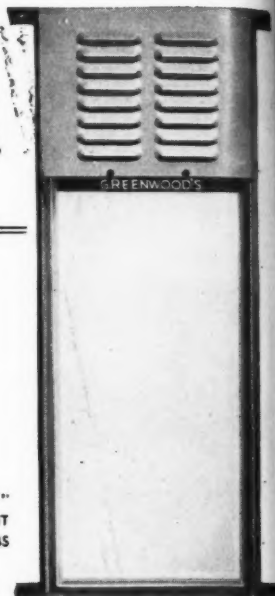
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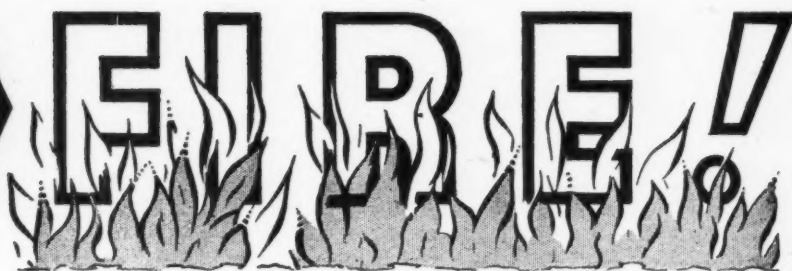
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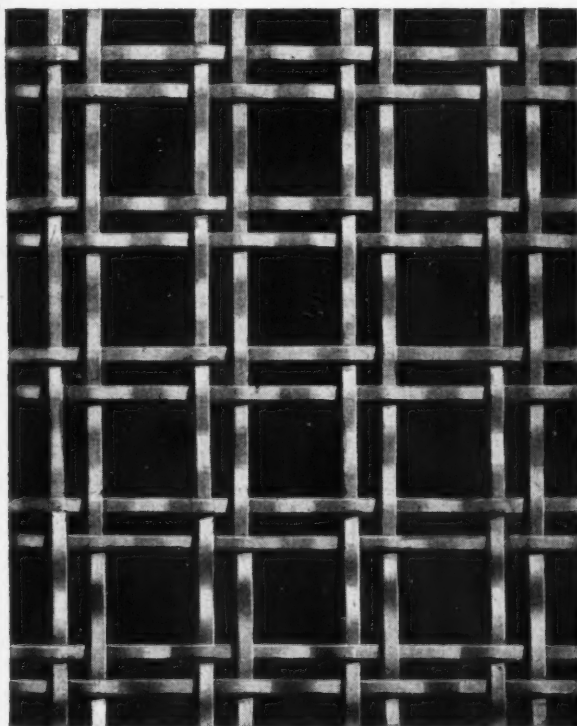
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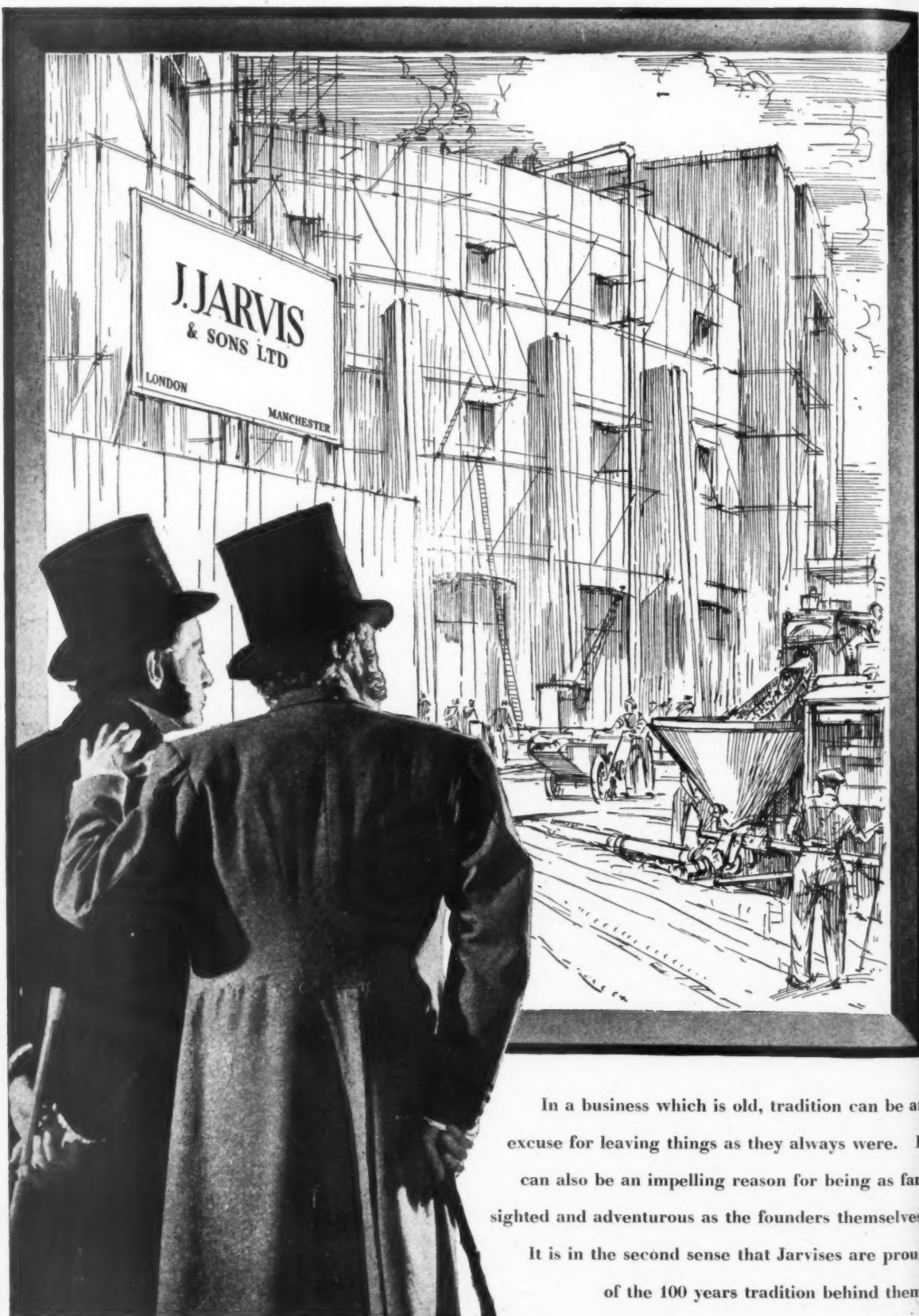


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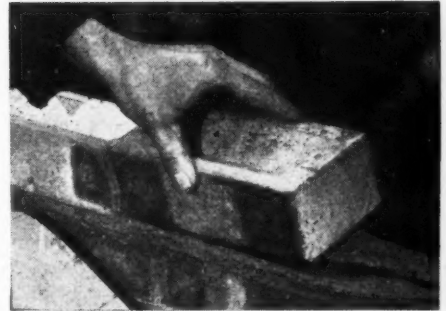


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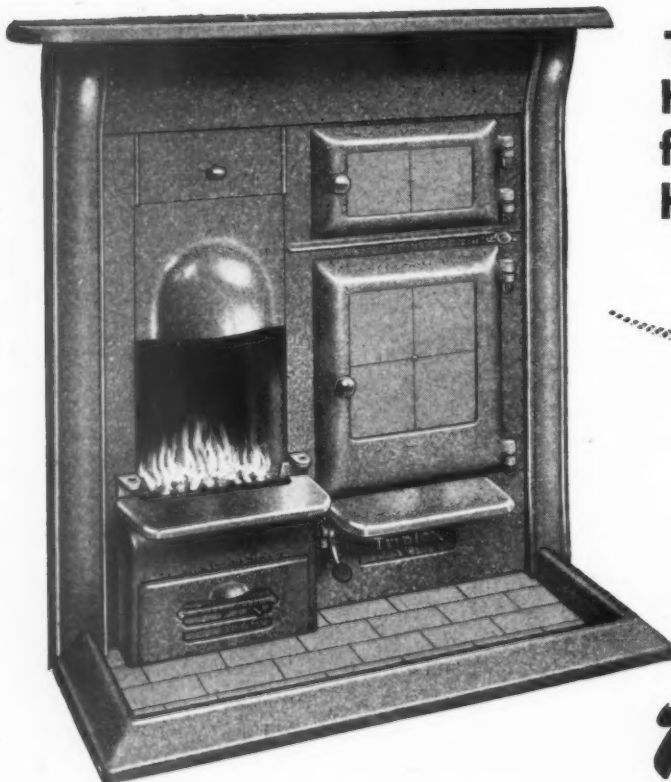
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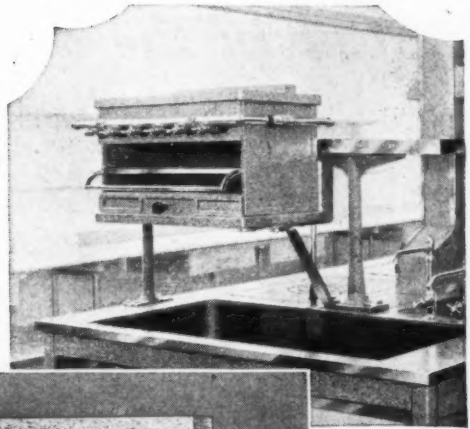
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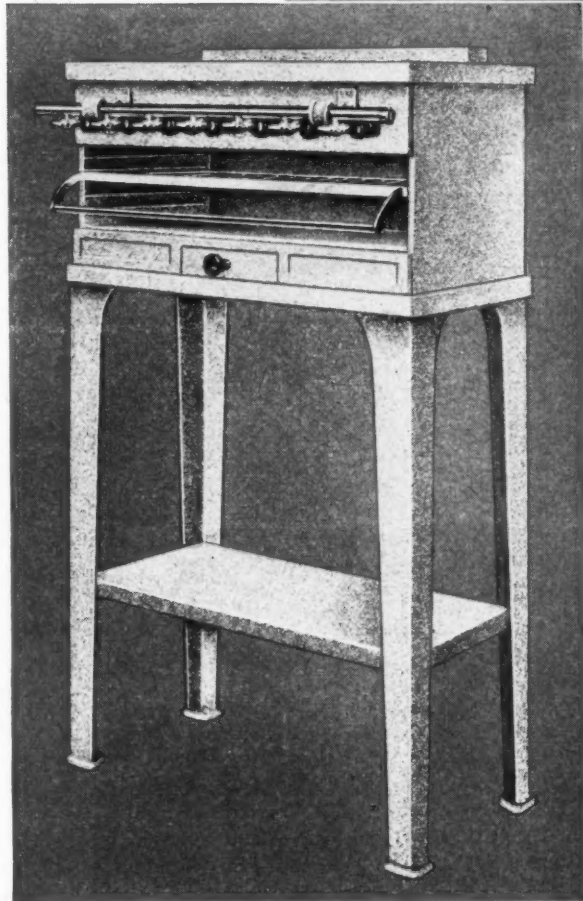


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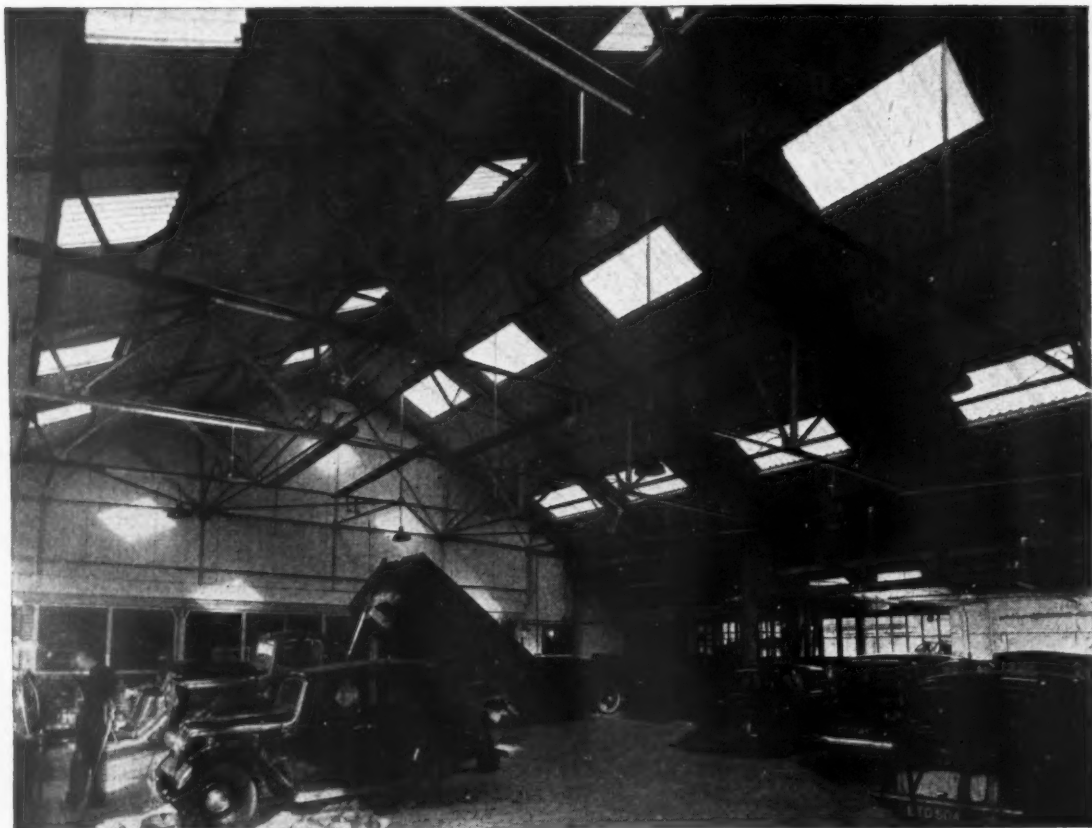
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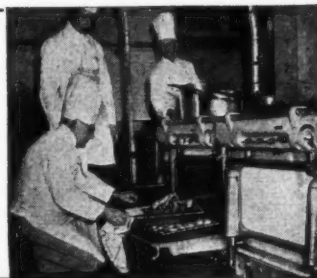
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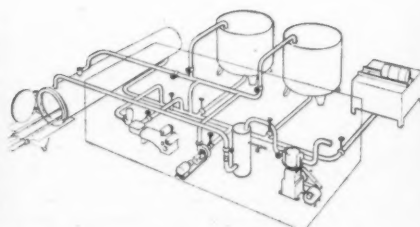
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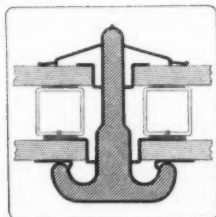
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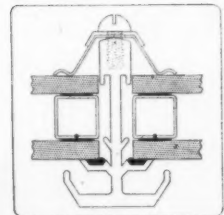
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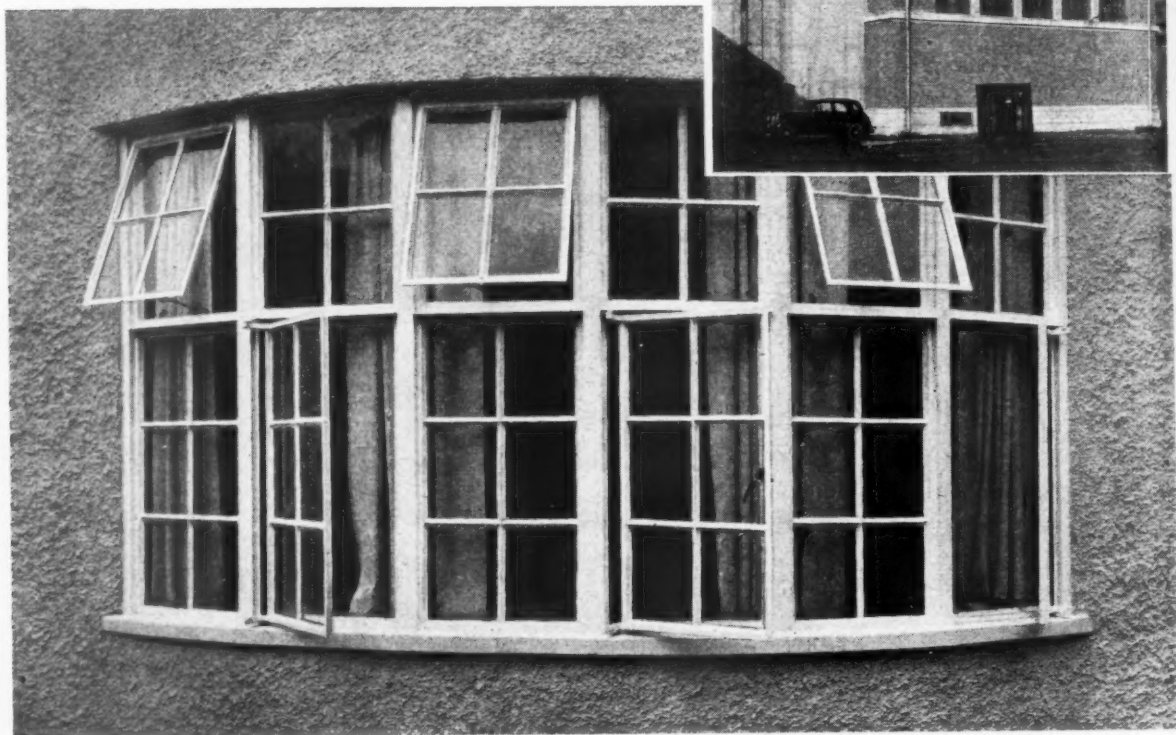
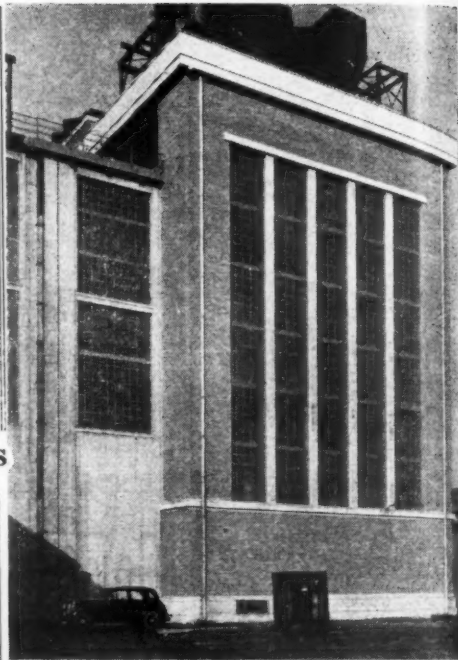
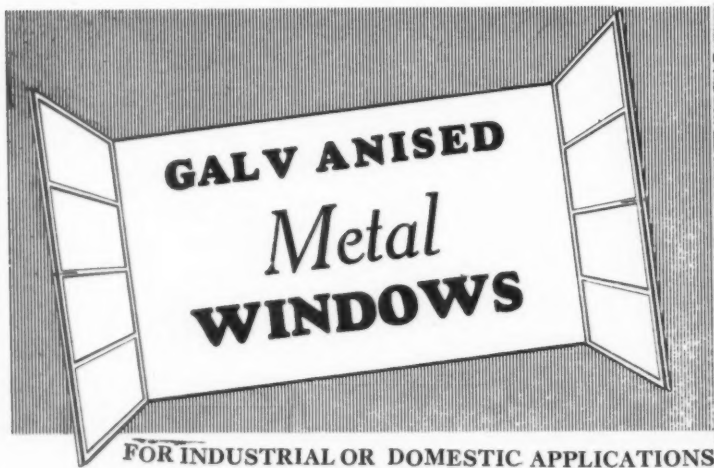
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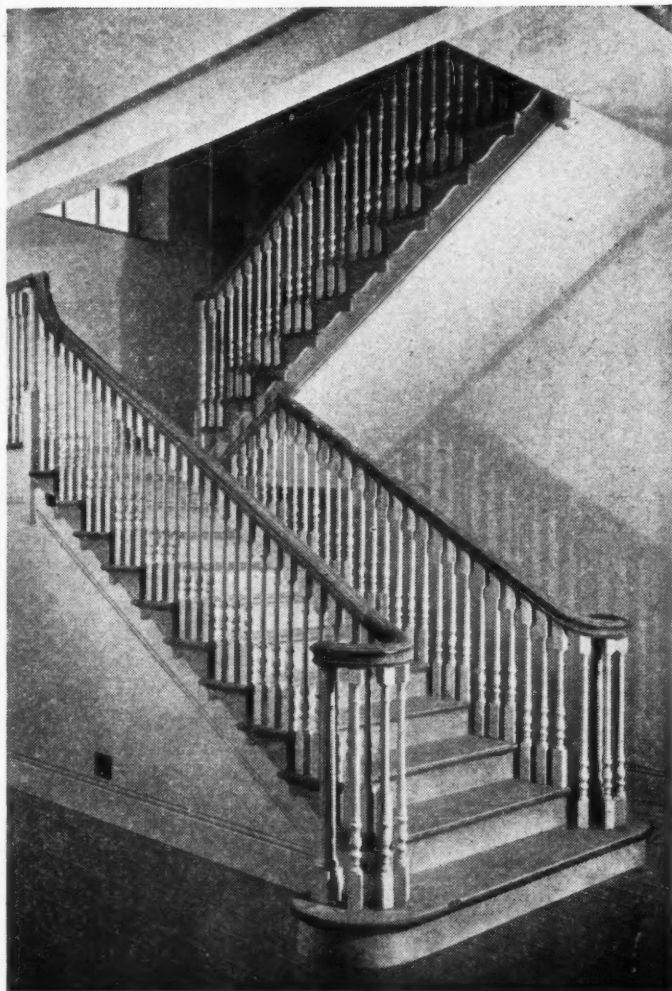
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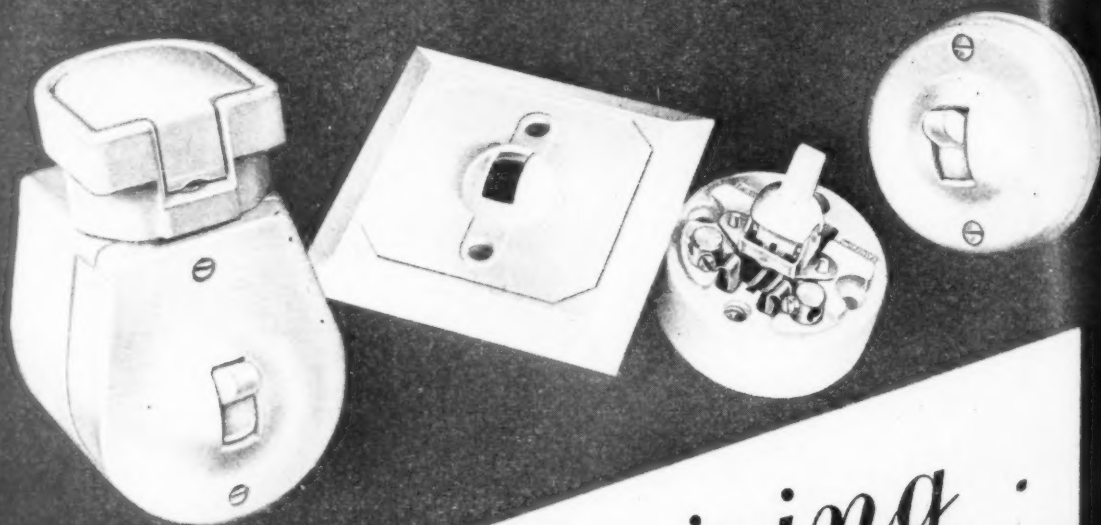
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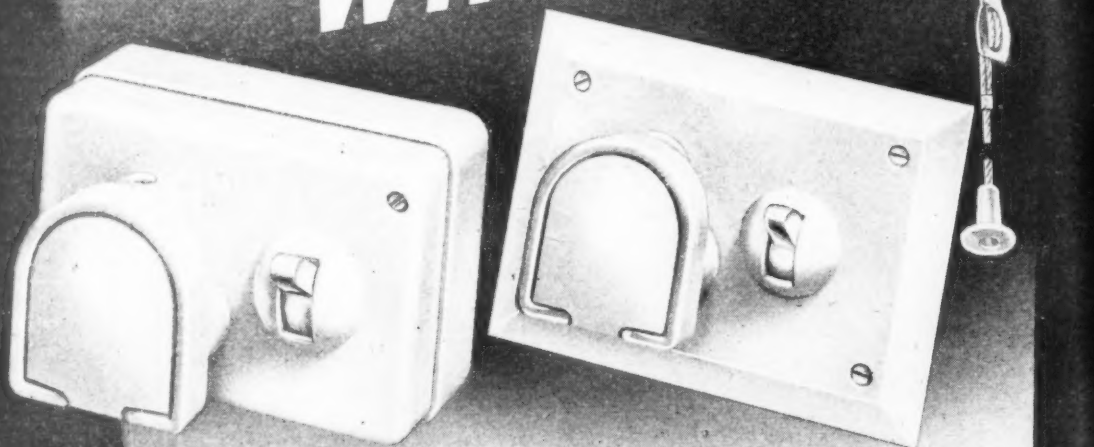


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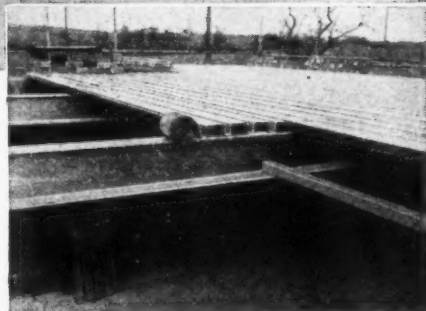
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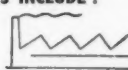
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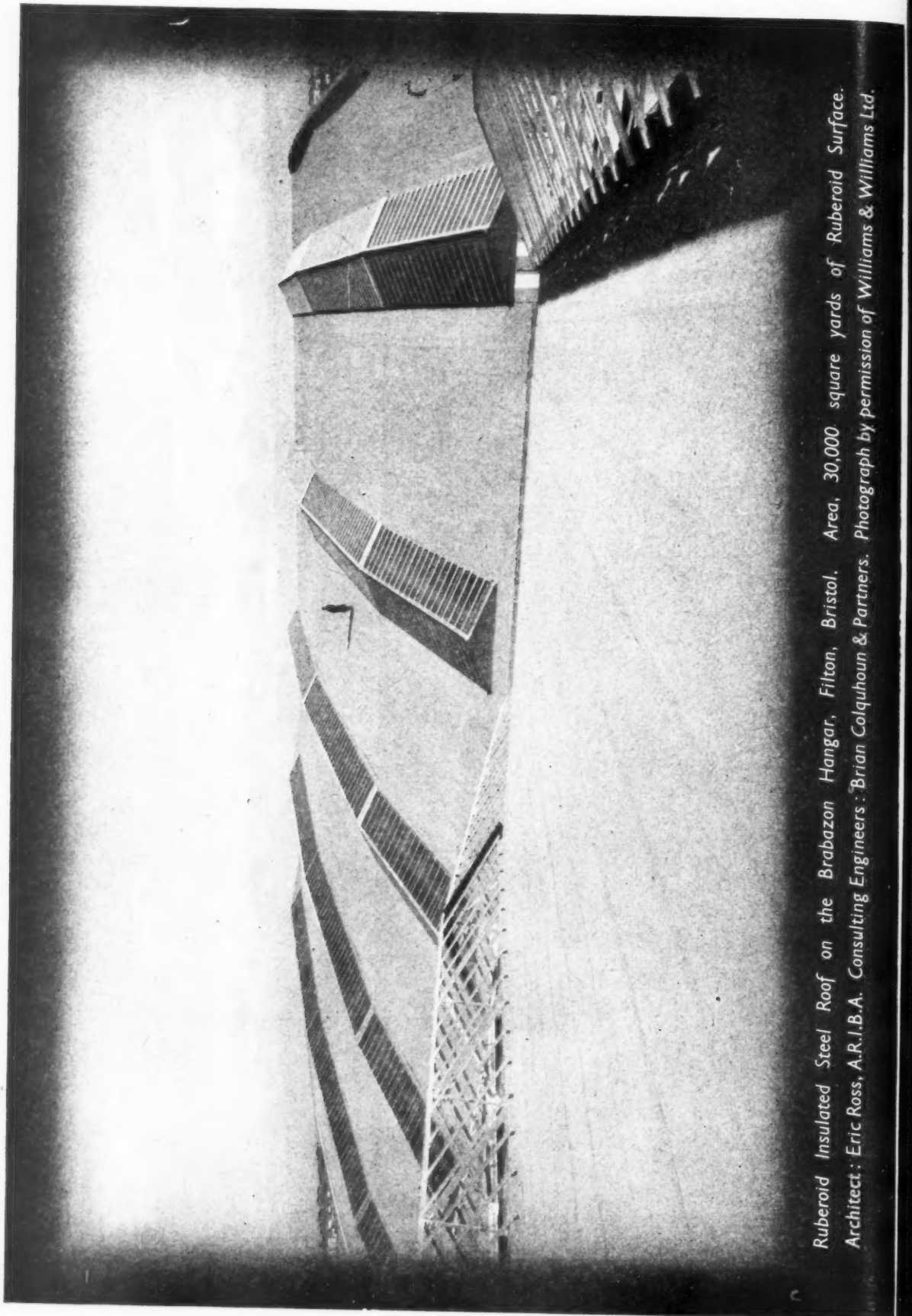
Architect :

R. K. Lewis, Esq., A.R.I.B.A., Birmingham.

Wood's Bakery, Perth.

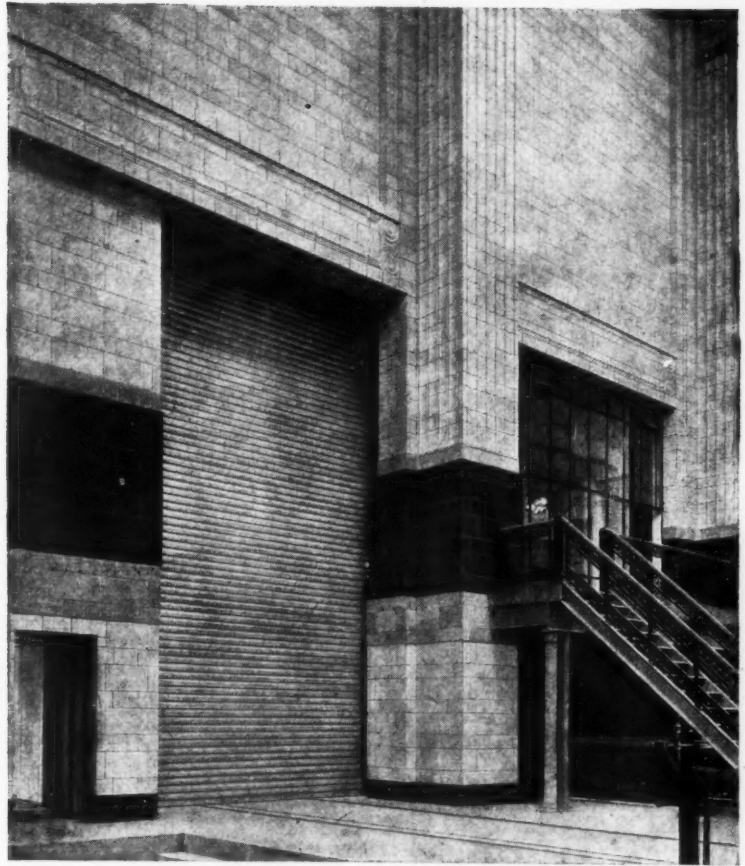
Architects :

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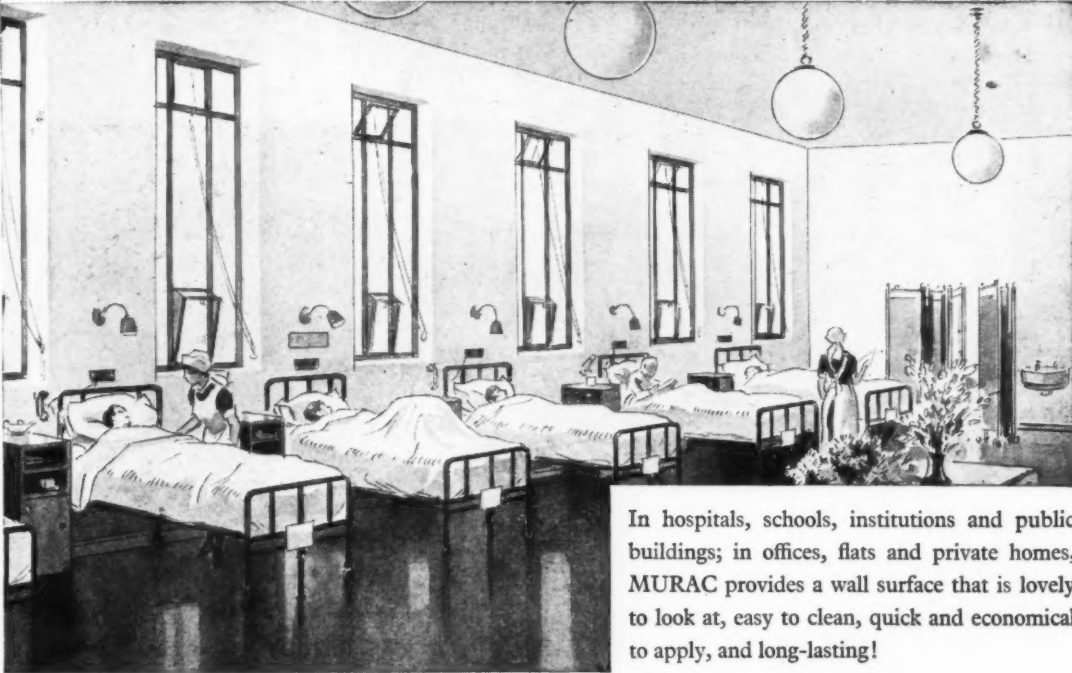
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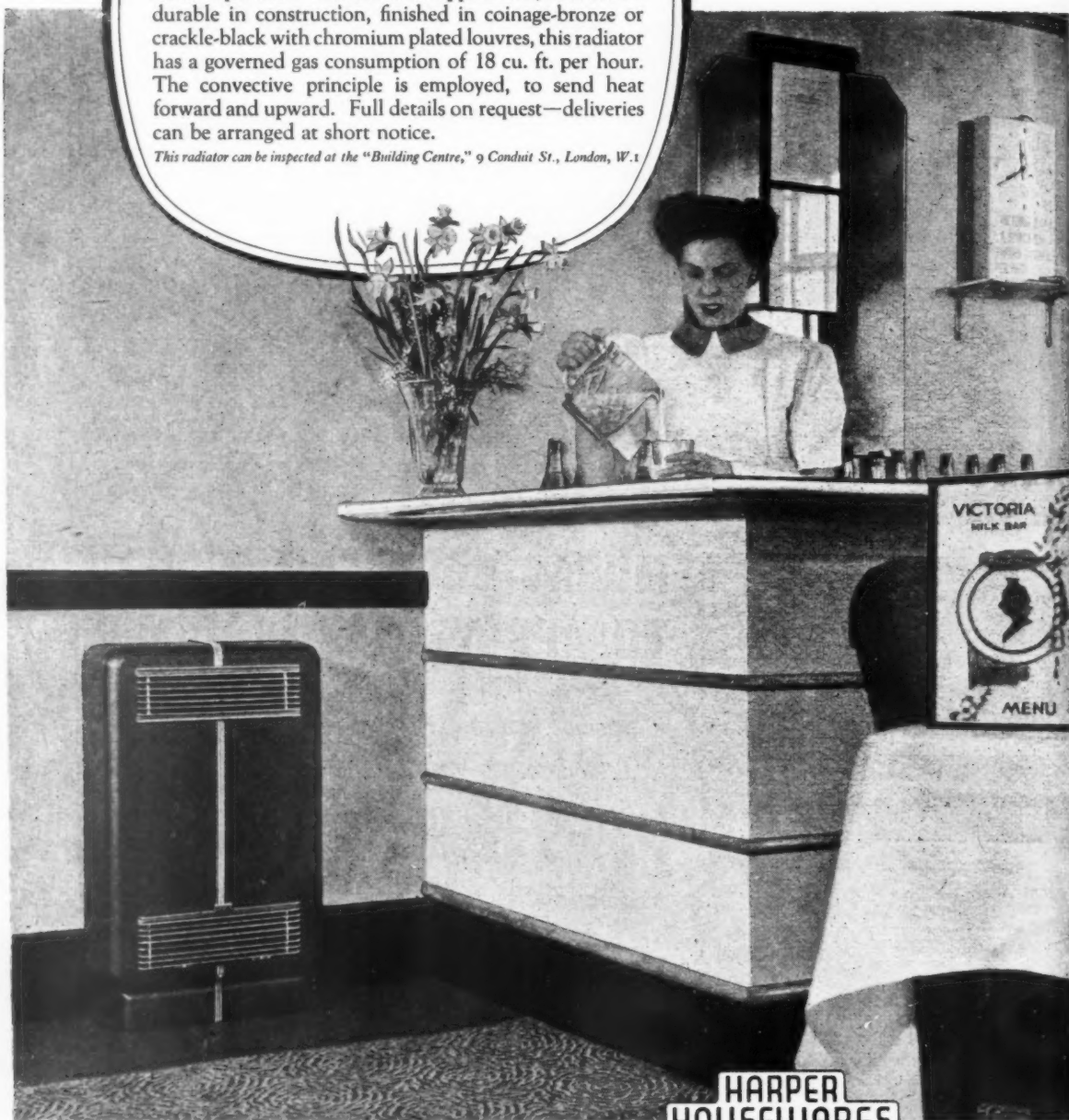
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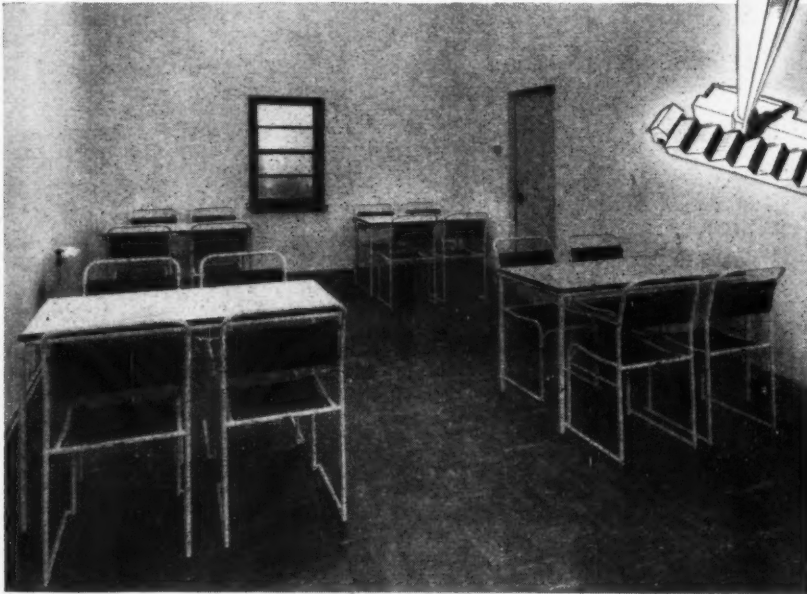
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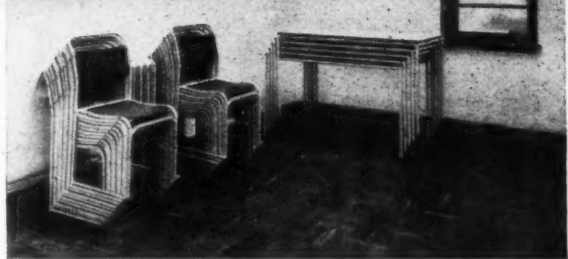
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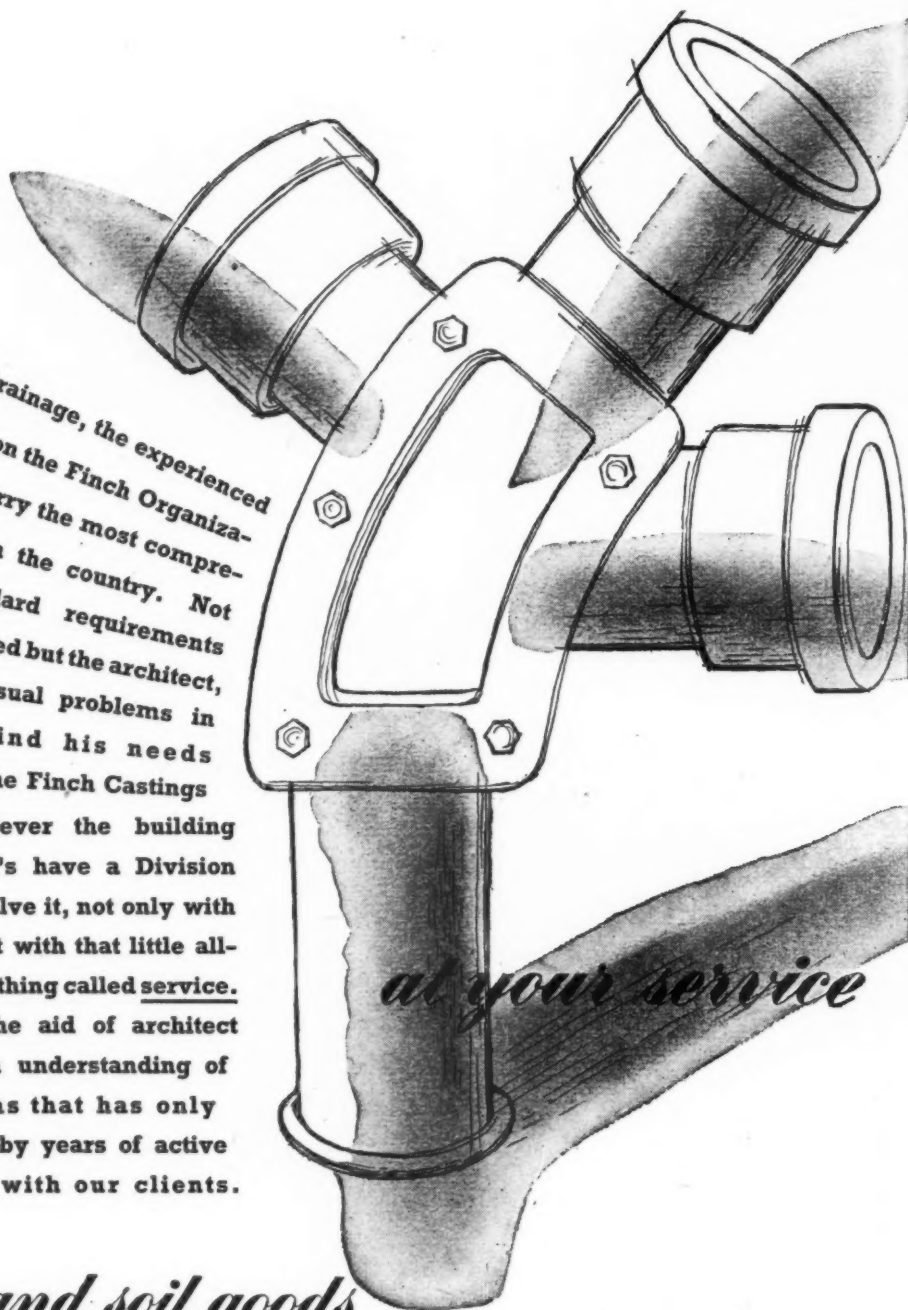
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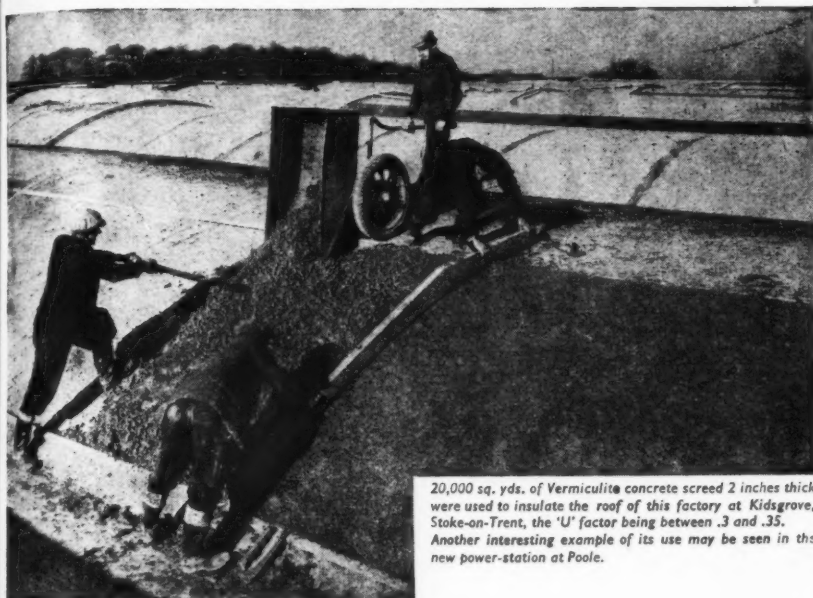
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SHOWROOMS AT FINCH CORNER, EASTERN AVENUE, ILFORD



20,000 sq. yds. of Vermiculite concrete screed 2 inches thick were used to insulate the roof of this factory at Kidsgrove, Stoke-on-Trent, the 'U' factor being between .3 and .35. Another interesting example of its use may be seen in the new power-station at Poole.

VERMICULITE

for lightweight, low-cost concrete
with remarkable insulating power

Owing to its combination of light weight with high insulation value, concrete employing VERMICULITE as aggregate has proved a real economy, particularly as a roofing material for factories, schools and power-stations. Experience in typical buildings shows that:—

1. The cost of the concrete is more than covered by the saving which is made possible on the heating installation.
2. The light weight (24lb. per cubic ft.) of the Vermiculite concrete allows of further economies in the cost of the structure.
3. For each 1,000 sq. ft. of roof insulated with Vermiculite concrete the calculated fuel saving is 6 tons per annum.

24 lb. per cubic foot

A typical mix of Vermiculite and Portland cement in the ratio of 6—1 by volume gives a concrete with a bulk density of 24 lb. per cubic ft. and a 'K' factor of 0.65, but the relative factors of weight, strength and insulating power vary with the proportion of large and small Vermiculite granules and the amount of cement. William Kenyon & Sons can supply the correct grade of aggregate to meet any specified requirements, and architects are invited to consult our technical staff, who have complete data at their disposal.

★ Vermiculite concrete has also been used with complete success in the insulation of mains for district heating, for fire-proof doors and partitions and for coating Steel joists and columns.

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WHAT VERMICULITE IS

VERMICULITE is an aluminium-magnesium-silicate belonging to the Mica group of minerals and similar in appearance. The laminae which compose it have the peculiarity of expanding enormously and exfoliating when subjected to heat, thus reducing the bulk density of the material to something like 5 lb. per cubic foot.

Supplies of high-quality Vermiculite from South Africa are now available and the raw material is being expanded, ground, sieved and graded at our plants at Dukinfield and in the London area, from which Contractors can be supplied with the correct mix for any purpose.



Summary of the properties of "KISOL" Vermiculite Concrete

Light Weight
24 lb. per cu. ft. (6—1 mix)

Good Insulation
Thermal conductivity ('K') is only 0.65 B.T.U.s per sq. ft. per 1" thick. per 1°F per hour.

Fire Resistance
Up to 2,000° F.
Classified 'Incombustible.'

Sound Treatment
Average transmission loss 42-5 db.

Workability
Can be mixed in an ordinary mixer and poured like any other concrete, sprayed on walls and wallboards, pre-cast into blocks, roofing-slabs or curved sections.

Stability
Low shrinkage on drying.
Unaffected by heat, moisture frost or acids.

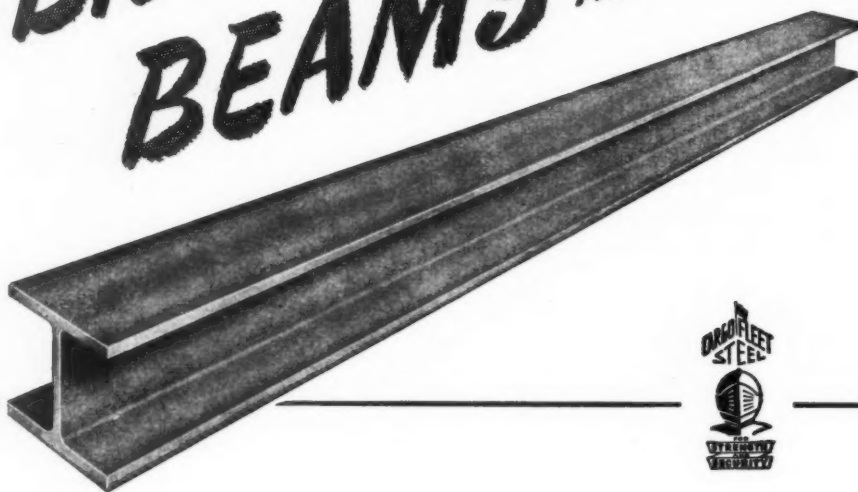
In order to provide the fullest possible data on the use of Vermiculite concrete, William Kenyon & Sons, Ltd. have initiated a comprehensive series of tests which are now being carried out by the Building Research Station.

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Weight...*

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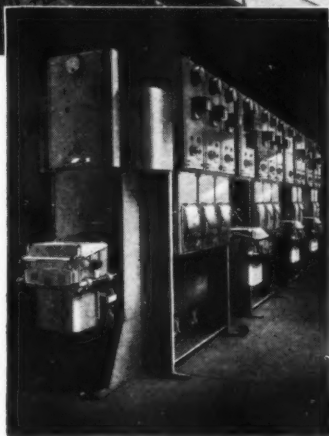
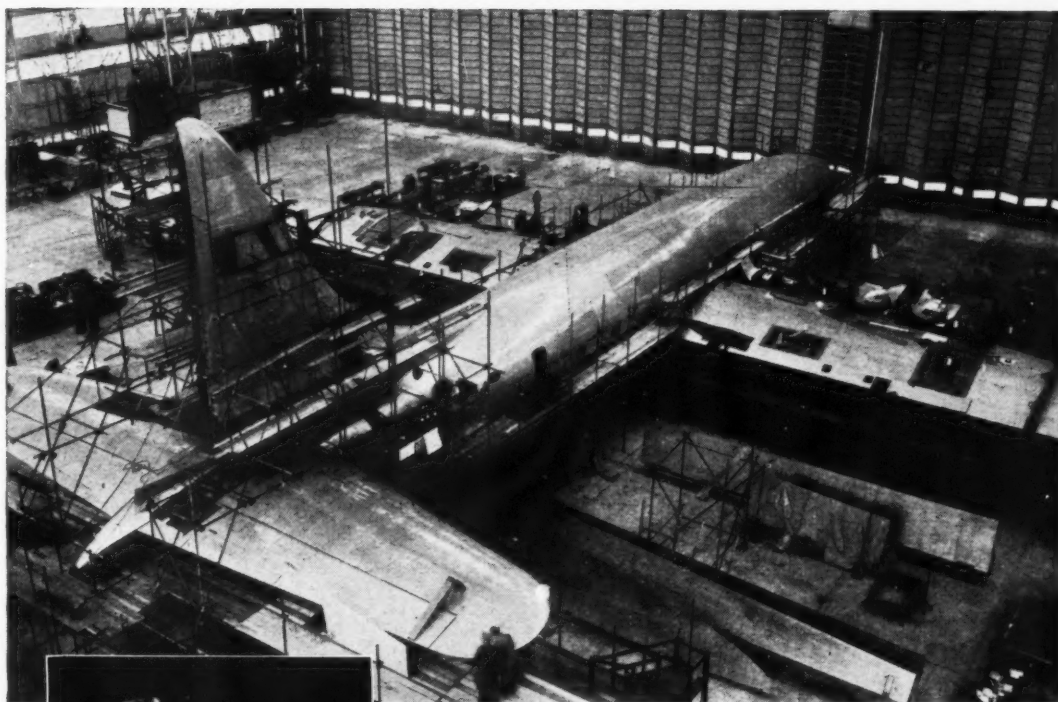
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The building of the mighty Bristol "Brabazon" Aircraft—the 125-ton giant described by Lord Nathan as the "Queen Elizabeth of the Air"—necessitated the erection of a vast assembly hall, the largest structure of its type in the world.

Such was the demand for space that even in this immense hall—covering $7\frac{1}{2}$ acres—the chief factor in the design of the main L.V. switchboard was the limitations of the space available.

J. & P. solved the problem with a board of somewhat novel formation. The switch units were built back-to-back to halve the length of the board, and with this arrangement greater flexibility in switching and maximum reliability of supply to all outgoing circuits was obtained by installing section breakers to form a ring busbar.

Provision is made for future extension of the switchboard, and an alarm bell and lamp indication scheme is incorporated to give warning of breaker operation.

Architect - ERIC ROSS, A.R.I.B.A

Consulting Engineers :
BRIAN COLQUHOUN & PARTNERS

In collaboration with :
A. N. IRENS, M.I.E.E., Chief Elect. Eng.
The Bristol Aeroplane Co. Ltd.

Switchgear by



JOHNSON & PHILLIPS LTD.
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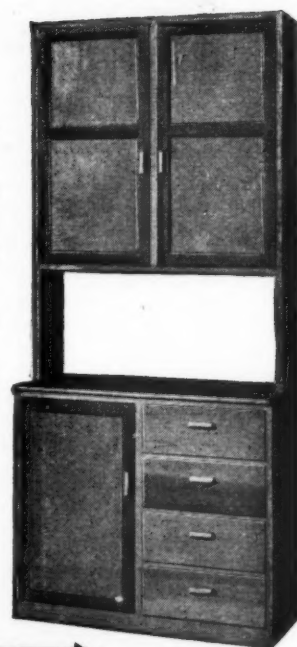
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CRC 6

Warming Up



In the good old days, coming in booted and spurred from a long, cold ride and warming themselves up with the contents of the pewter pot and the inconstant radiations from the uncertain log fire, men may have been men, but heating arrangements were far from what they should have been. Today, in the home, the hotel and large building, Crane Central Heating Equipment diffuses with an exceptional degree of efficiency the equable genial warmth that is conducive to good health and good fellowship. Crane equipment never fails to give complete satisfaction to architect, heating engineer and client.



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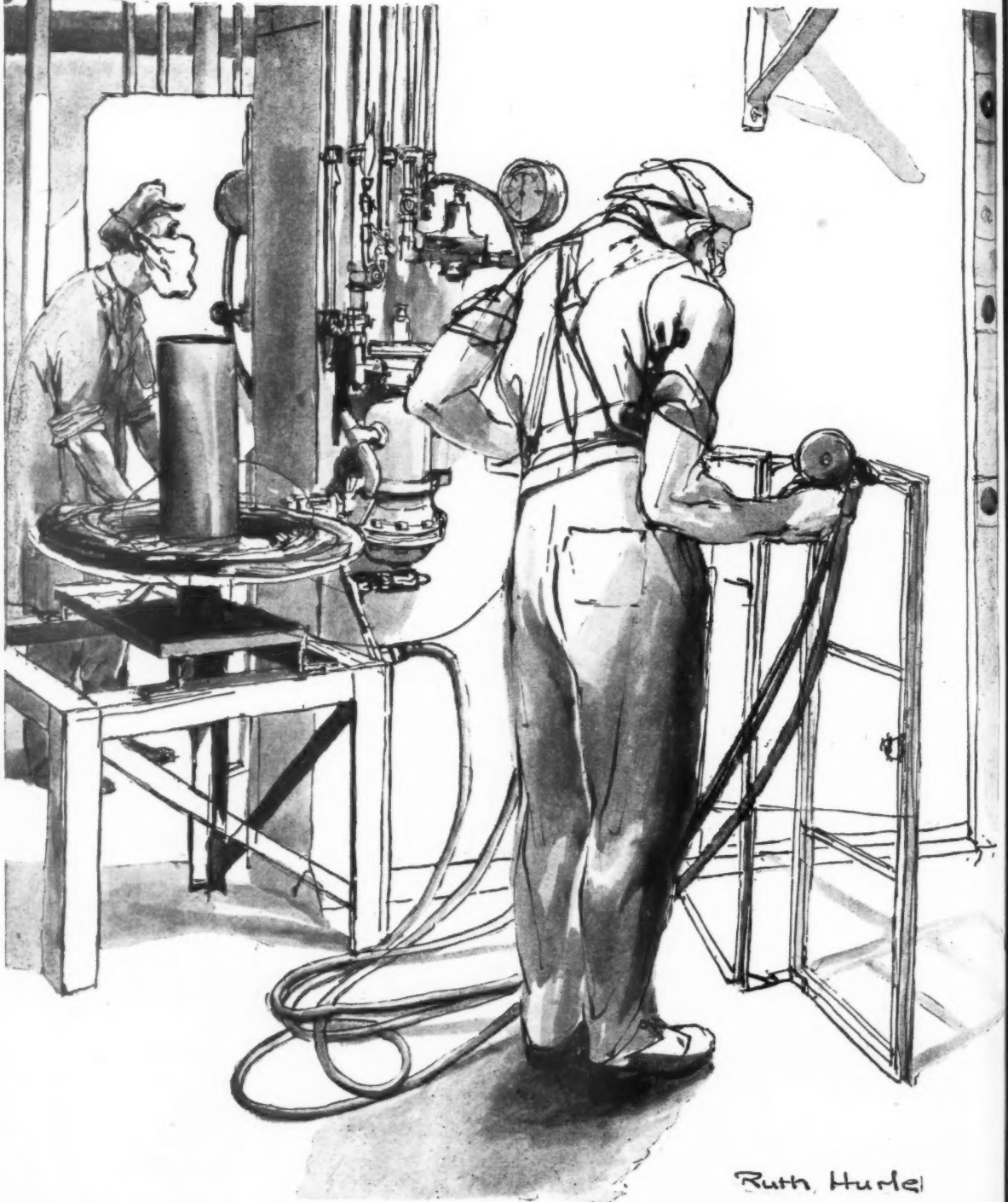
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Making good windows stay good...



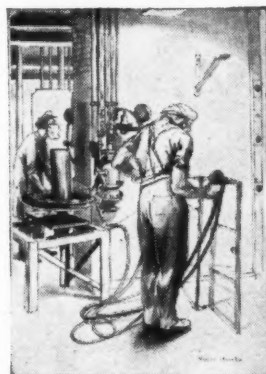
A STATEMENT ON THE ANTI-CORROSION TREATMENT OF STEEL WINDOWS

The standard windows made by Williams & Williams are as thoroughly processed against corrosion as the motor cars made by the great manufacturers of this country. Two alternative treatments are used: either the windows are phosphated, painted and stoved with two coats of Alkyd resin paint or they are given, in conformity with the requirements of BSS.990, a zinc-proofing treatment.

An important feature of both processes is that they are applied to finished windows. No work that might damage the anti-corrosion coating on the frame is carried out afterwards: these processes make good windows stay good.

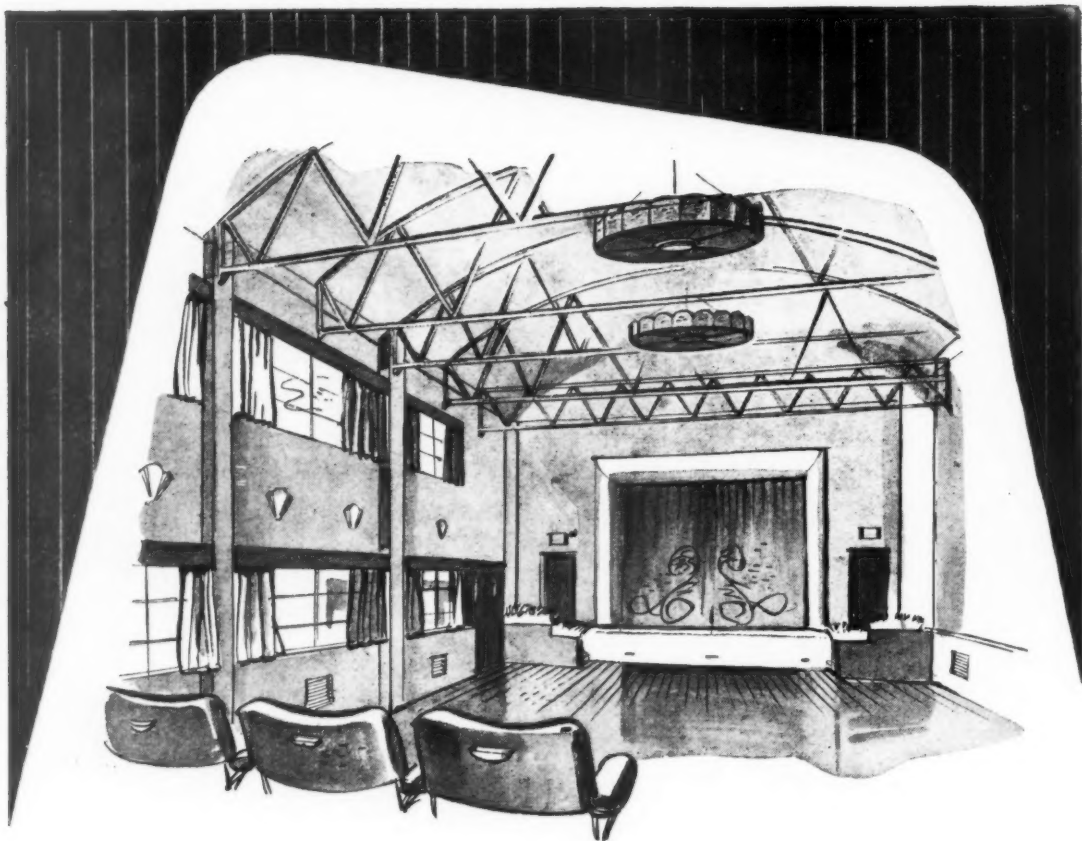
One of the "rust-proofing" methods conforming to BSS.990 and used at the Reliance Works, Chester, is illustrated on the opposite page. The completed window is inspected, shot-blasted and then hand-sprayed with molten zinc. Precision electrical measuring devices ensure that a uniform coating is applied. The window is next passed to a dipping tank and stoving oven for paint treatment. Then, when the fittings are attached and the whole is finally inspected, a good window is ready to help build a home in Britain or in one of the many countries to which Williams & Williams windows are exported.

Architects, builders and contractors who would like to see the anti-corrosion treatment of these windows are always welcome at the Reliance Works. Appointments may be made with the Chairman.



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quality & lasting beauty



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The ordinary, undecorated windows of Fonthill Abbey were "composed of four squares of the very best plate glass, each square measuring forty inches by twenty two . . ." according to John Rutter's *Description of Fonthill Abbey and Demesne*. When James Wyatt designed this overpowering contribution to the "Gothic Revival" for William Beckford, and built it between 1796 and 1799, he used larger areas of plate than were normally employed at that time. Wyatt created a parody of mediaeval architecture, but his generous plate glass windows were ahead of their time. Now you can specify Polished Plate Glass . . .

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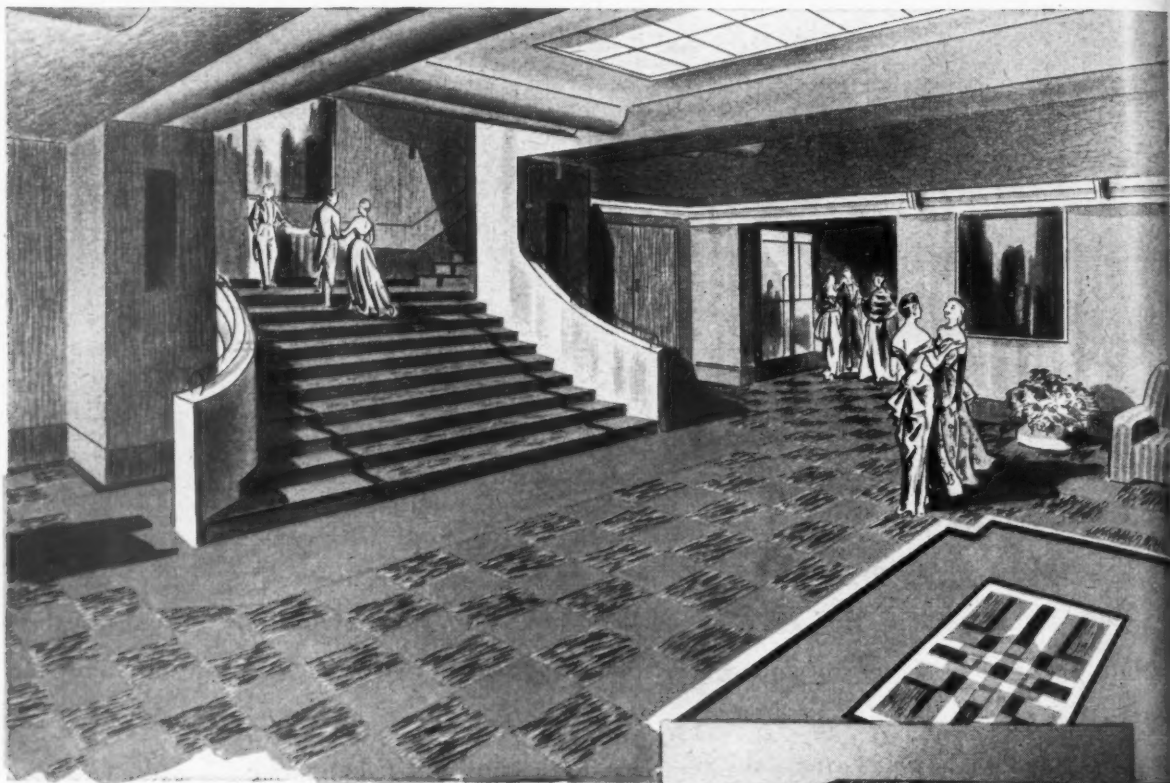
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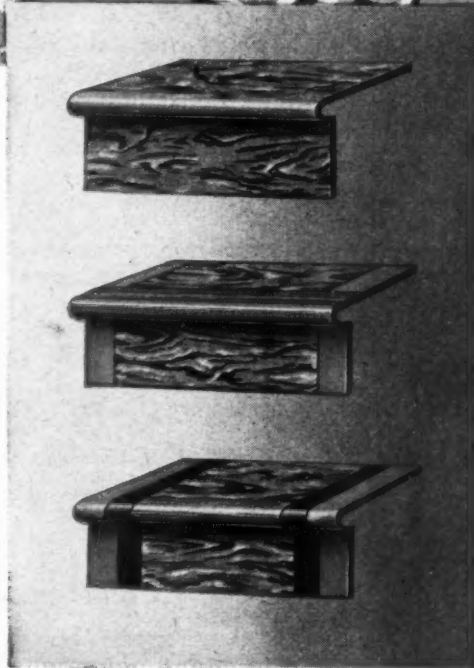


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The North British combination stair covering is available in a number of designs and colours.

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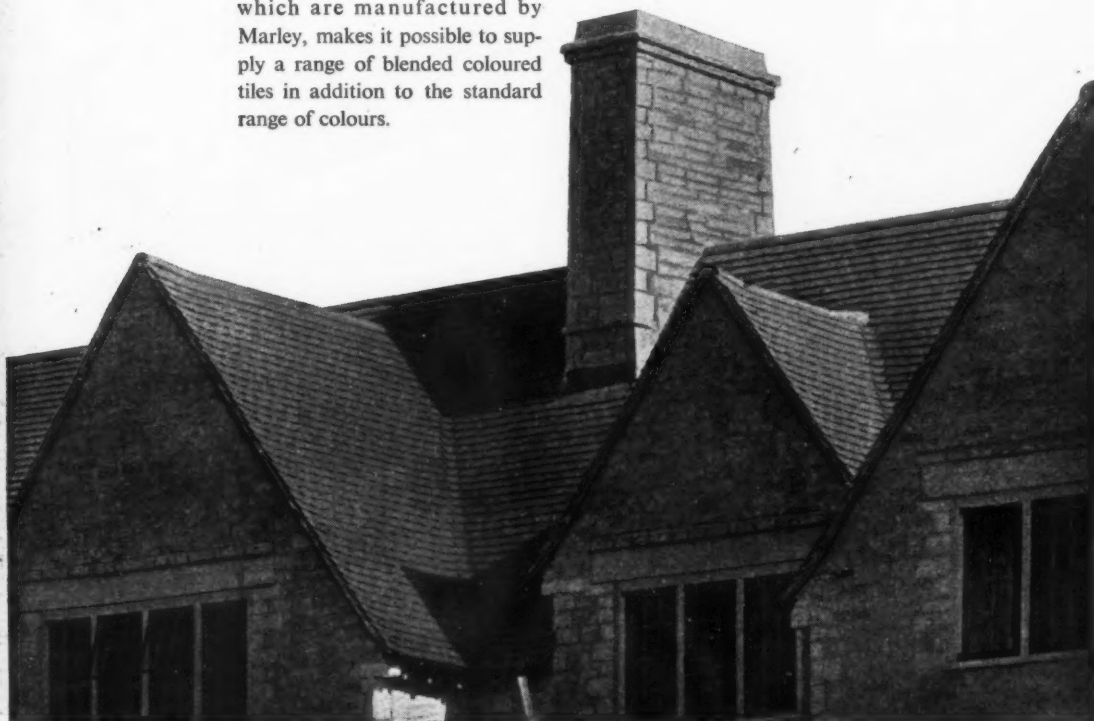
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B.W.39 Wall Fitting. 8½" high x 4½" wide x 4½" deep. Finished coinage bronze as standard.



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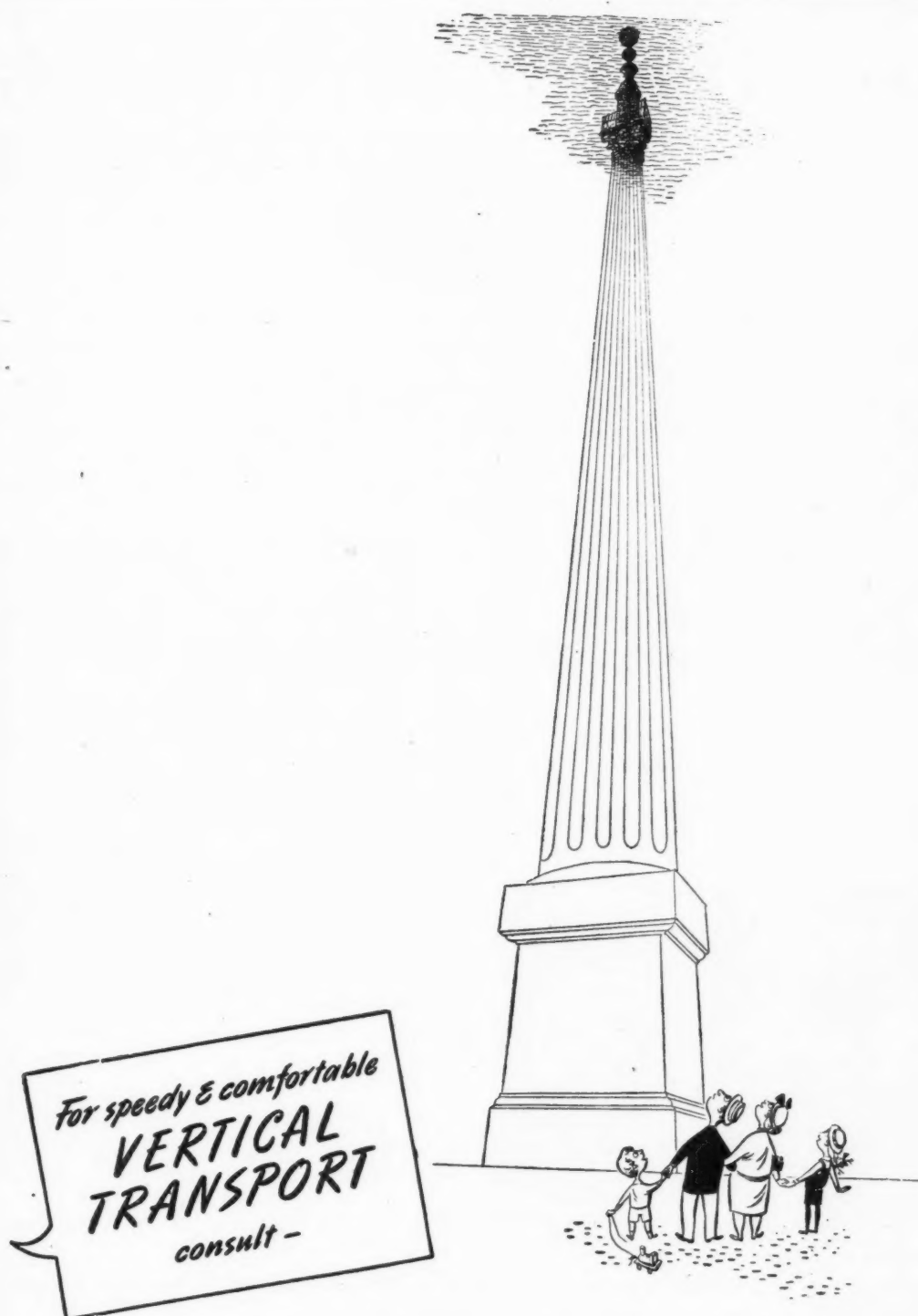
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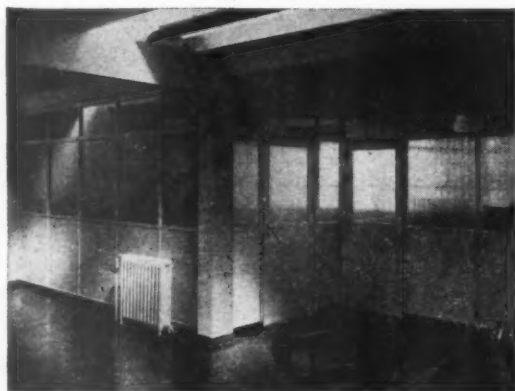
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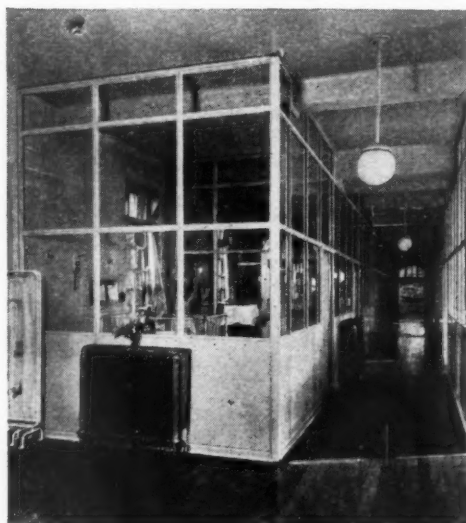
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Dubilier Condenser Co. Ltd. Architect: A. E. Shennan, M.A., F.R.I.B.A.

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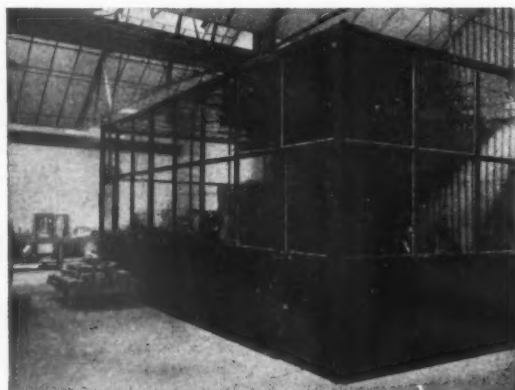
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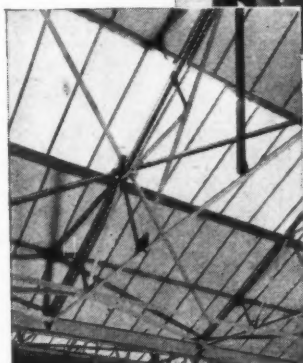
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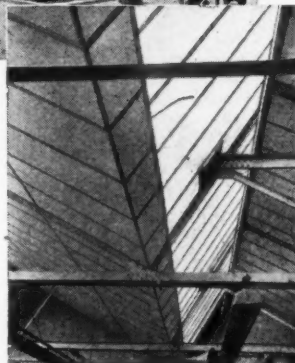
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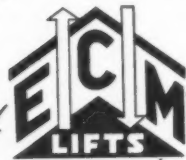
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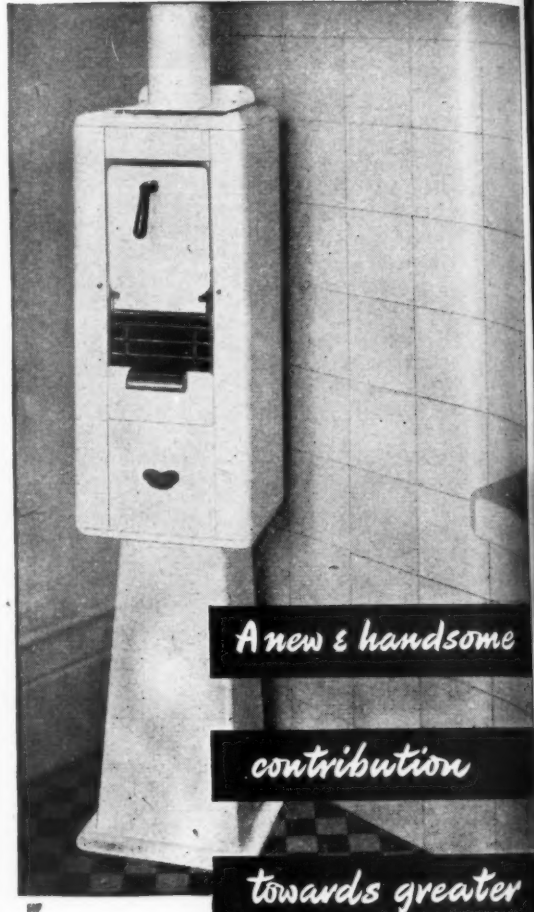
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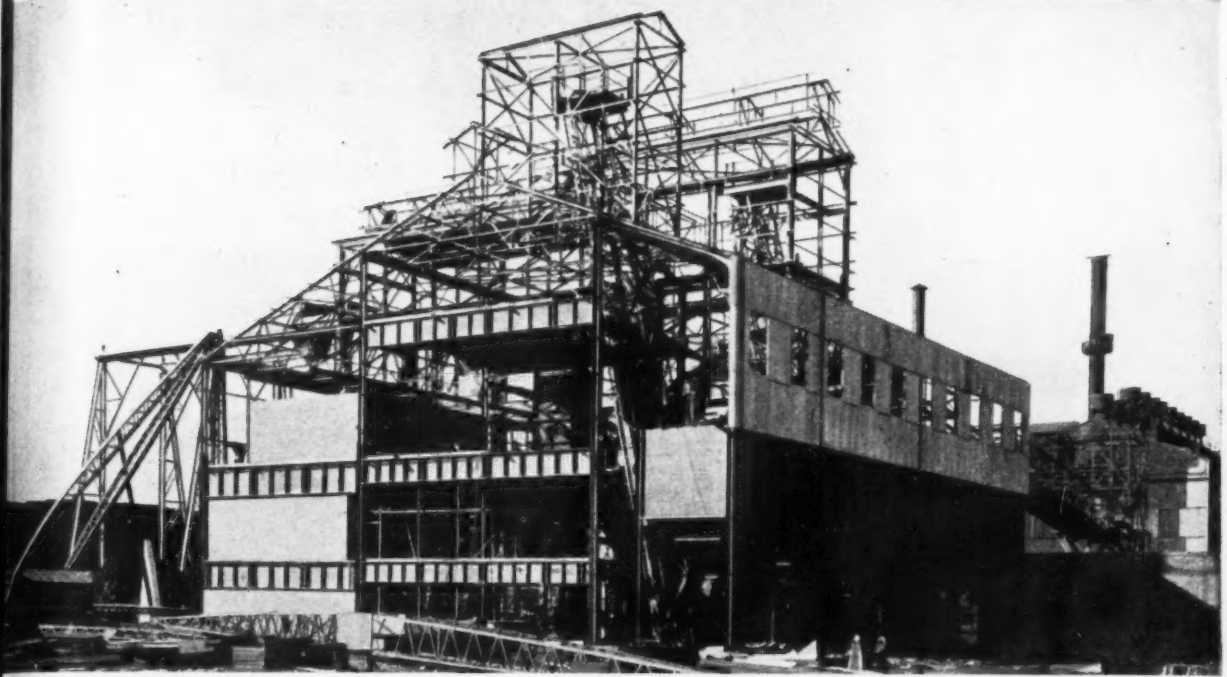
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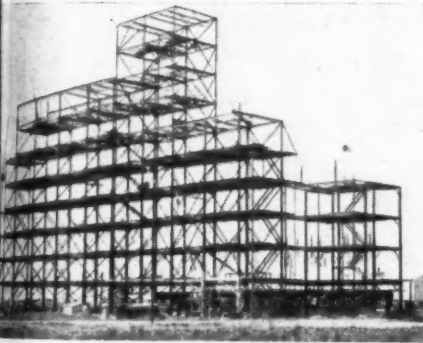


GAS INCINERATORS

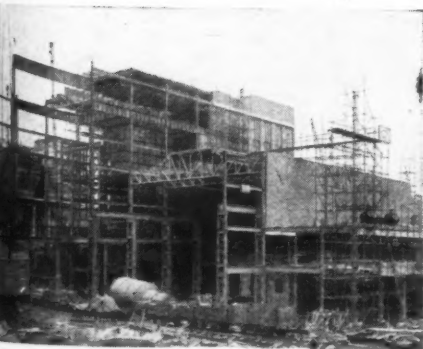
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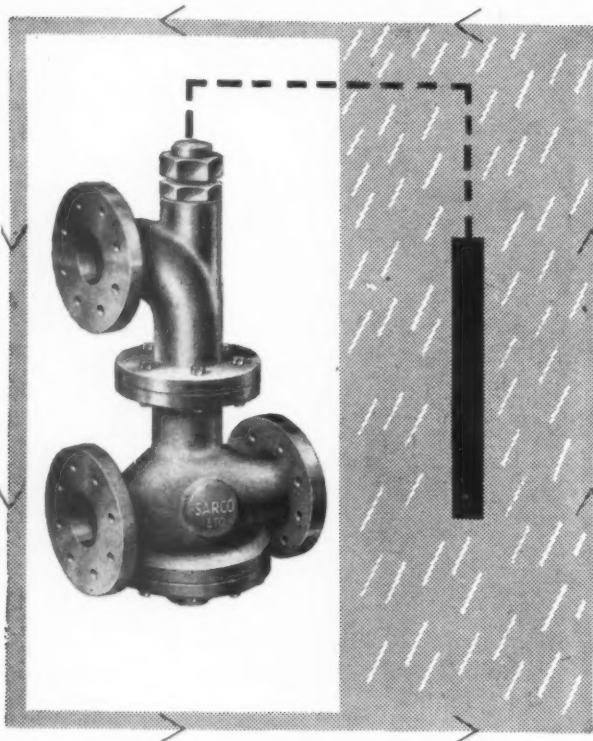
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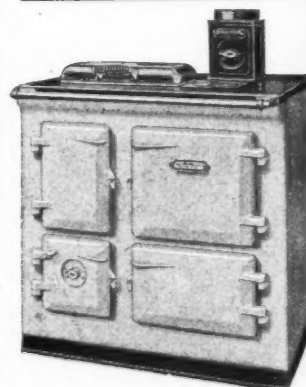
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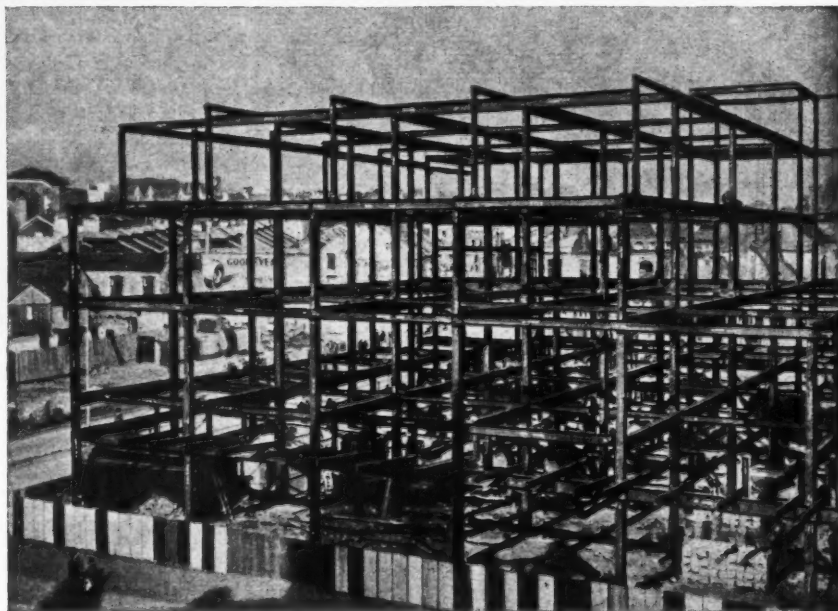
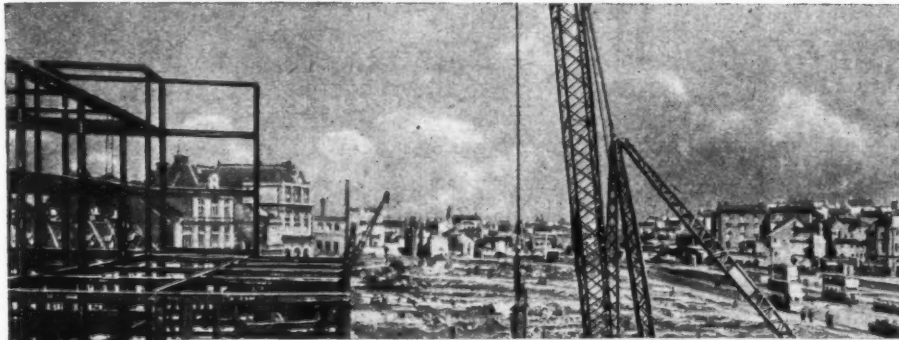
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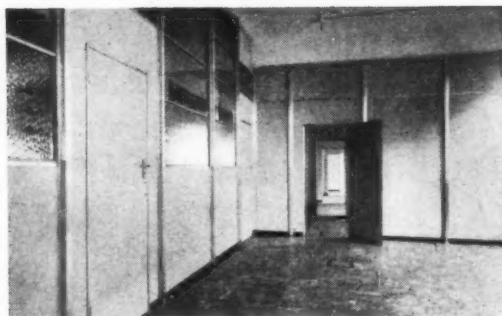
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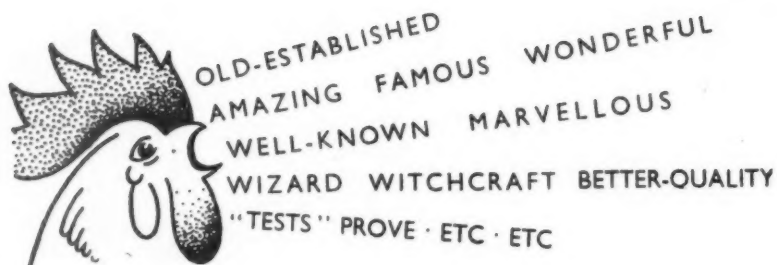
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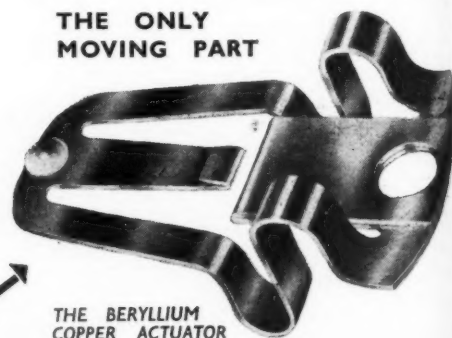
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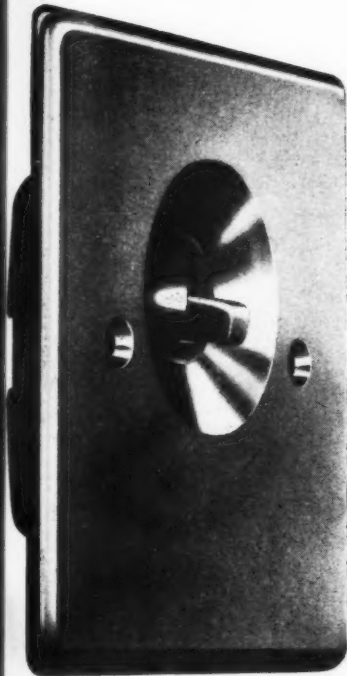
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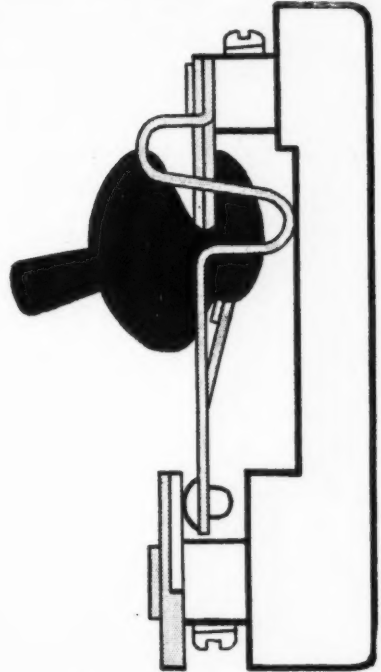


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AND OVER-VOLTAGE AND OVER-CURRENT
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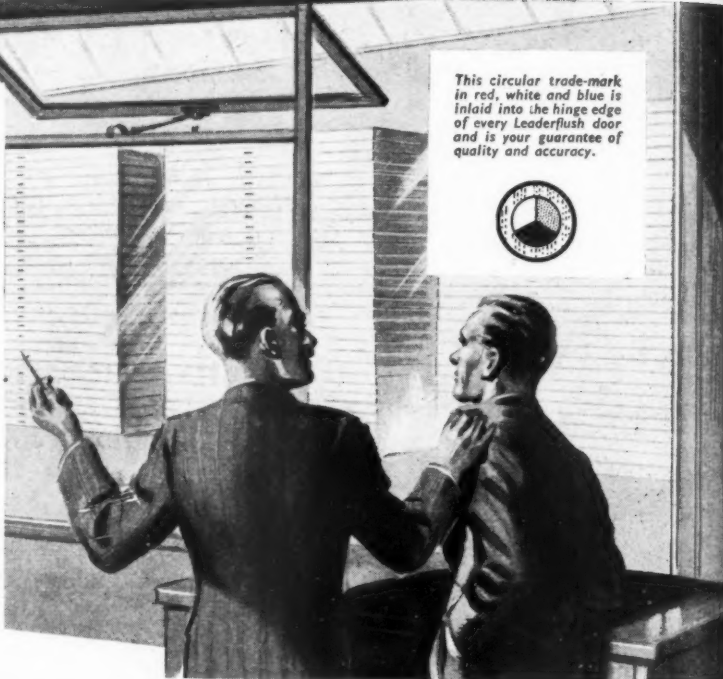
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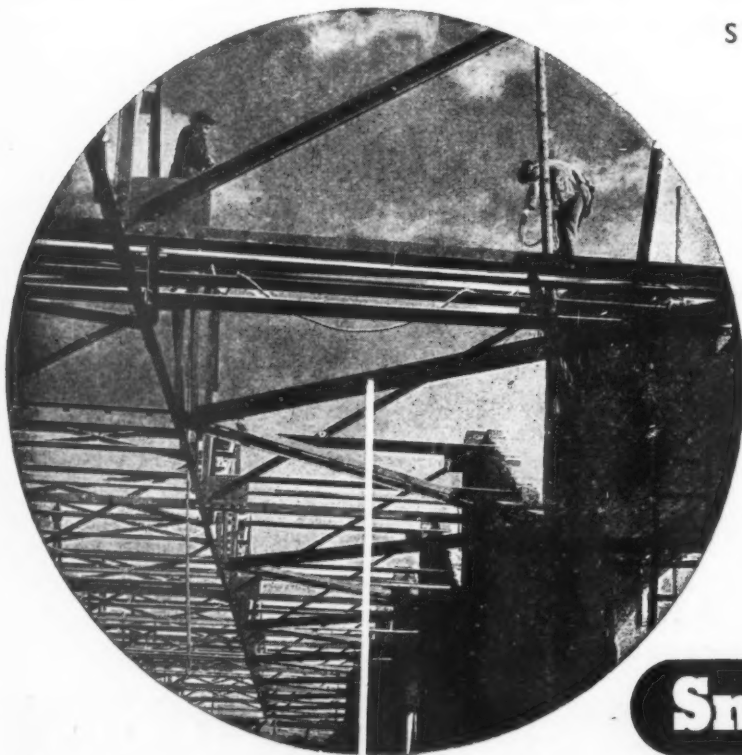


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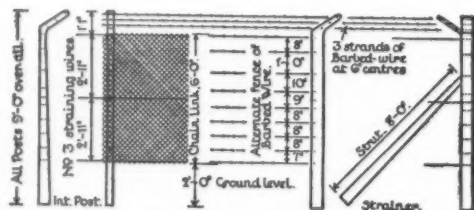
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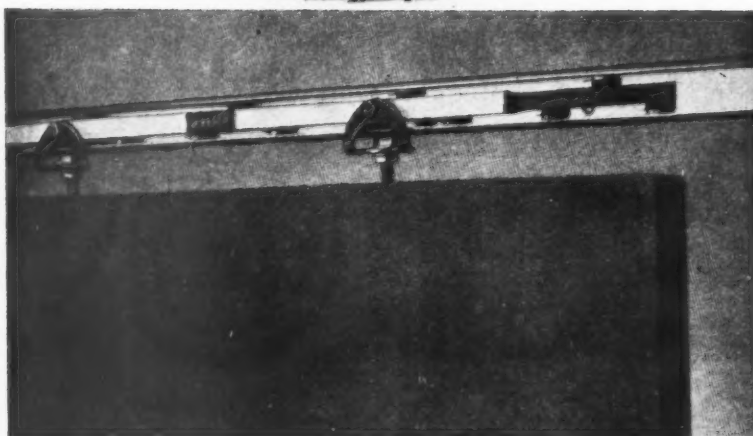


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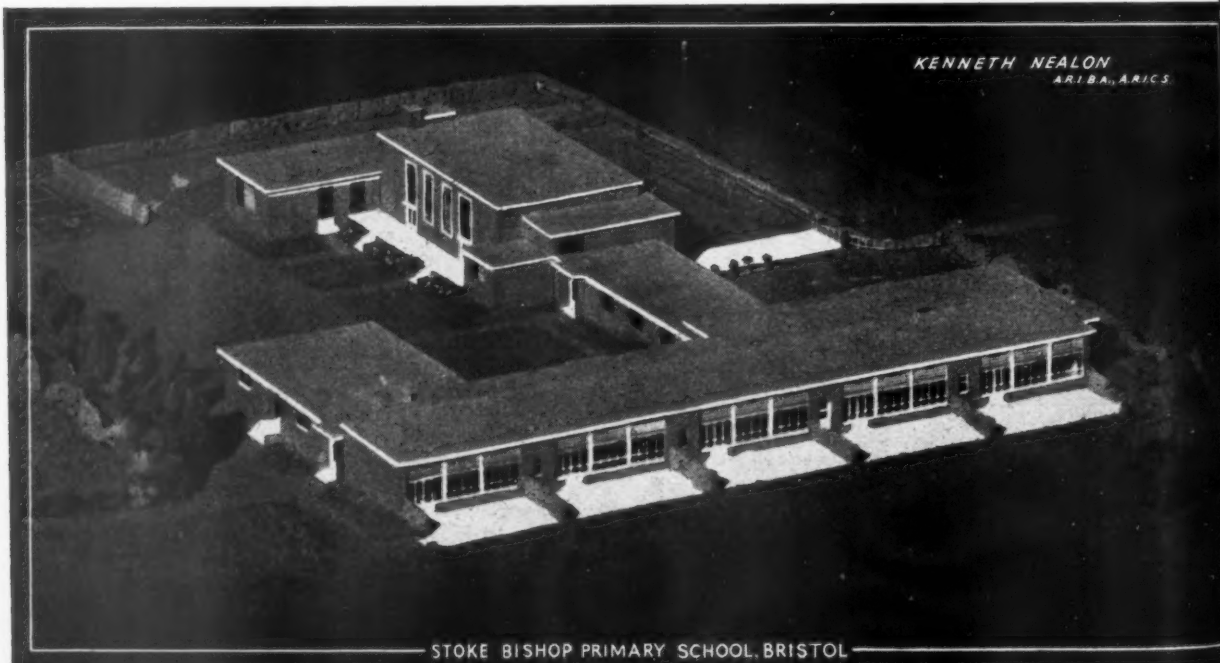
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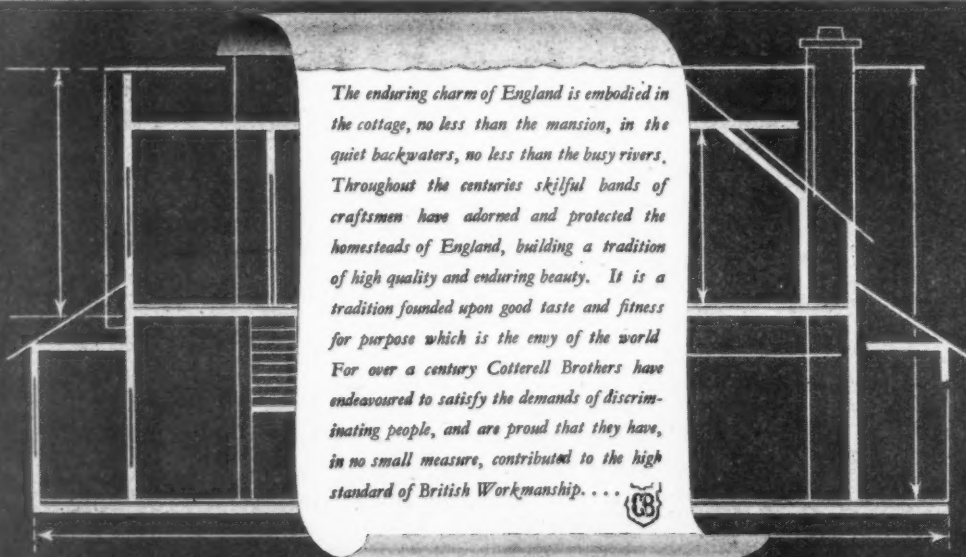
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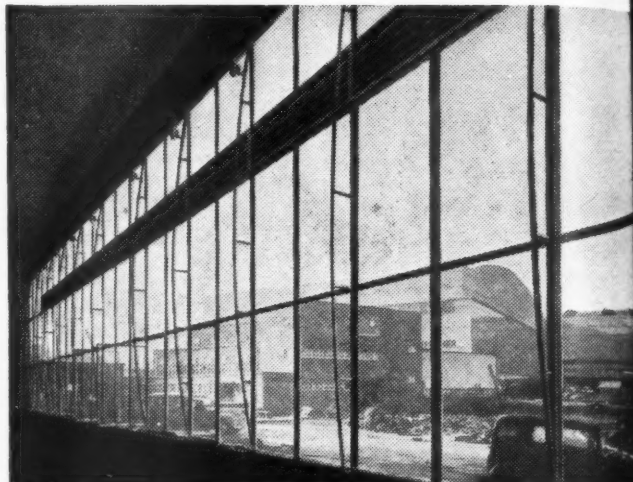
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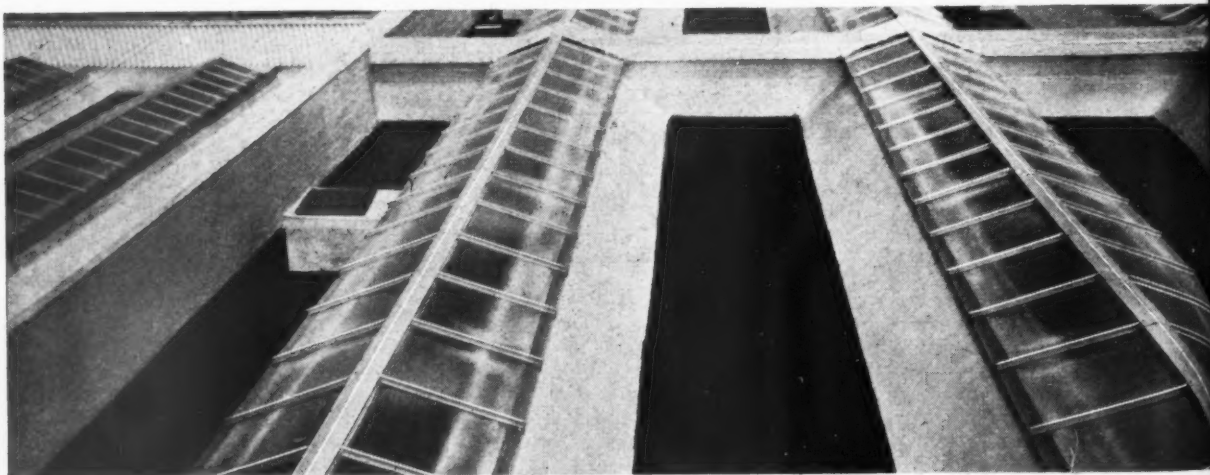
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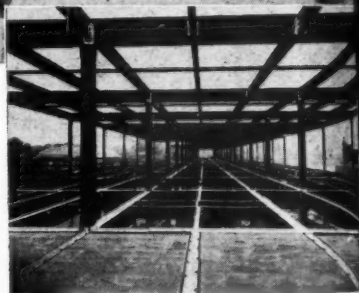
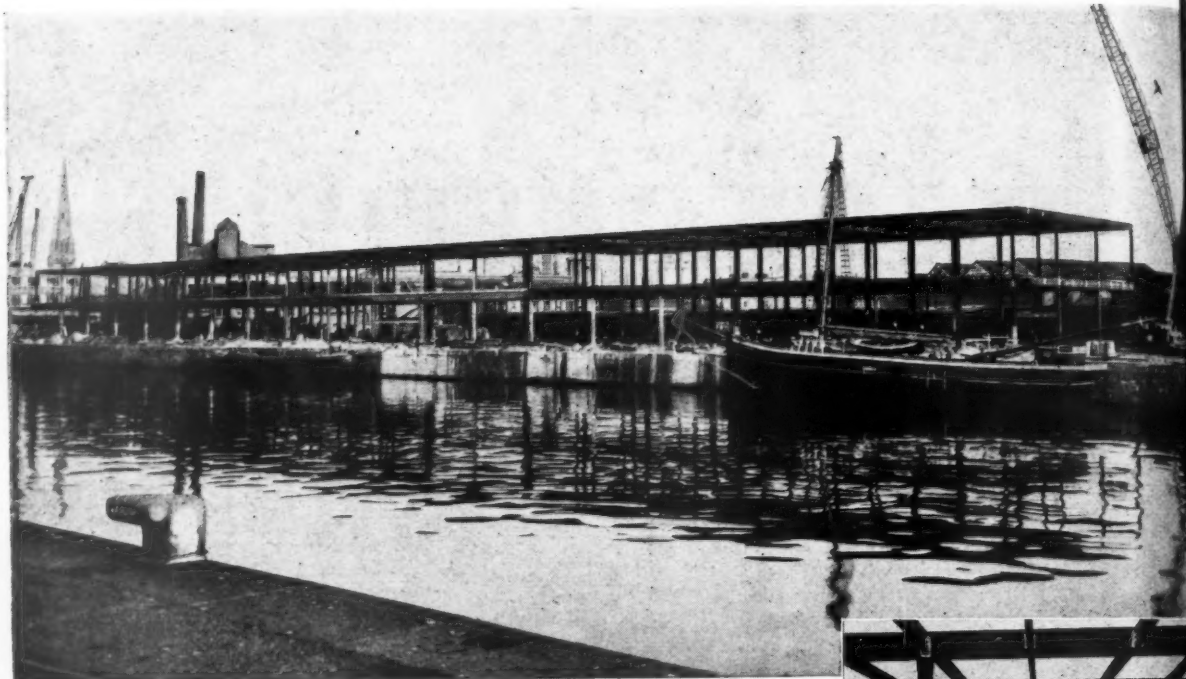


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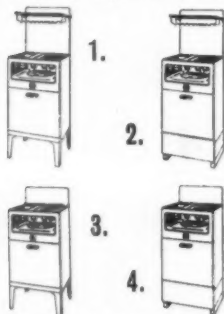


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THE ARCHITECTS' JOURNAL

No 2886 1 June 1950 VOL 111

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MONEY MAKES THE LAWYERS FIGHT

This week I must again begin by referring to the vexed question of the future of Mecklenburgh Square. After listening to the case being put for the Dominion Students Hall Trust last week, and hearing the questions from those who were defending their homes, a unique London Square and their Local Authority Housing lists, I came away depressed by the futility of the whole proceedings. The wretched business could have been avoided if the people concerned had come out into the open from the very beginning and published their plans. No sudden crisis has befallen which demands drastic action. All that has happened is that London House wants to expand. And all that is needed to find a solution is a committee consisting of the planning and local authorities,

representatives of London House, and the owners of property and the inhabitants concerned in any proposed changes. No one could reasonably expect an established institution to take itself off somewhere else when it wanted to expand. What is wanted is that the expansion should take place in the best direction, having regard to economy and amenity. In fact, the sooner the development plans for the country are drawn up, the sooner this sort of problem can be tackled intelligently, without ridiculous cross questioning which makes plaintiffs appear fools and defendants villains.

Most ominous of all for the future of commonsense planning is the reference by the LCC representative to the plan for the development of London University which was put up in December and has since been withdrawn. The plan has not been published. More secrecy, please note; more hole-and-corner business. What is the matter with these official bodies? Are they ashamed of their proposals, or are they trying to spring some unpleasant surprise? The cheers of the crowd which might greet the preservation of one side of Mecklenburgh Square may yet drown the roar of falling bricks as the rest of Bloomsbury tumbles down.

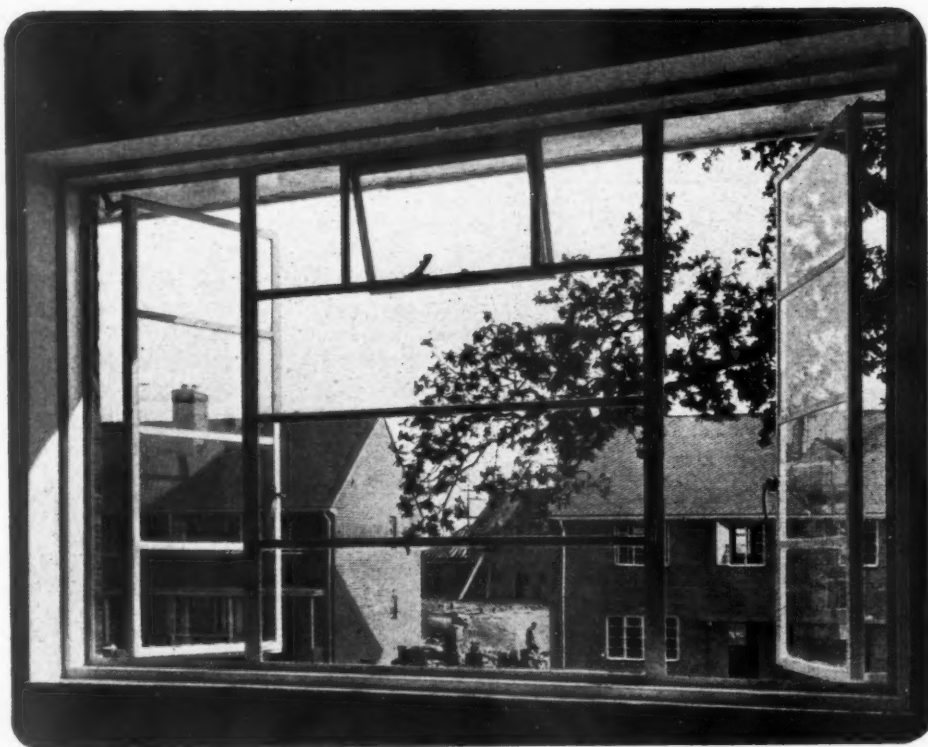
A LITTLE CO-OPERATION

Tum-tum-ti-tum . . . as the bright young things used to sing, you will remember, in the days when we built four million strands of ribbon development as quick as no-thought, and this week the phrase seems to be my main theme. Just a little co-operation, for instance, on this housing question. Last week the second report was published of the MOH's committee of inquiry into the cost of house-building.

This makes the third report in as many weeks on costs and productivity (but never mind; only journalists have to read them, and then only the lighter bits). It does suggest, though, that the powers that be are waking up to the fact that the building industry is slowly grinding, or, if you like it better, being ground, to a standstill.

The committee of seven (C. H. James being the only architect member), after over a year's study, come, to put it briefly, to the following conclusion: that houses in 1949 average twenty-one square feet larger, cost seventy-nine pounds more (due largely to the increased cost of materials), but are of more economical design and specification than the houses of 1947. The committee therefore recommends incentive schemes, larger contracts, RIBA form of contract, and revision of byelaws. Bless their hearts, they might have been reading one of those earlier reports, mightn't they? But that is not all, for at the back of the report is a list of some "possible economies." This includes the spare use of bay windows, dormers, ornamental brickwork, expensive chimney caps, glazed tiling, pipe casings, picture rails, serving hatches, and front gates. The list also recommends seven feet six ceiling heights, splayed bedroom ceilings, corrugated asbestos roofs, terrace housing and a host of other details.

Thus the cheese-paring policy which has been quietly going on for some time is officially approved. Does the committee really feel that it has achieved much by these recommendations? How much do they imagine can be saved by them; a hundred pounds? Certainly not much more. But the need is for a much greater



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saving, somewhere in the region of five hundred pounds; that is to say, a house, including the cost of land, roads and services, for one thousand pounds.

*

Impossible, you reply? That is where I return to my plea for co-operation. I suggest that Mr. Bevan should try a little experiment, rather on the lines of that carried out by the MOE, and gather together a team of architects, engineers, builders, manufacturers and town planners to find out what can be done for this price. Let him forget all past advice from women's councils, domestic panels and societies for this and that, and start all over again. Let him not try for a certain floor area, or number of wc's or utility rooms, or to abide by existing byelaws, but first find his housing target (see last week's leader). And let him find a method of warming, furnishing and cleaning the whole house at a cost everyone can afford, supply daylight, fresh air, and privacy from sight and sound, prefabricate the interior as much as possible, apply an incentives scheme which will include incentives for quality as well as quantity, and place a really large order. Then he cannot go wrong. Simple, isn't it? If he asks me nicely I'll even pick his team for him.

*

The trouble is that, if the Minister took this course, he could no longer boast that our houses were of the highest standard, in terms of floor area, in the world. The house I have in mind would be comparable with the squalid little huts one sees illustrated in Scandinavian, Swiss and American magazines. The Englishman's home, needless to say, is by tradition, a cold, damp, draughty castle.

ART GOES TO THE WALL

Many artists who have seen the writing on the wall are hastily beginning to paint on it. They have realised that the public, which hitherto regarded walls as potential invitation cards to "watch this space" or "rally in Trafalgar Square," is becoming more interested in the art of mural decoration. This interest in an art that has not been extensively practised in Britain is probably becoming

more widespread because of the opportunities now given to art students to undertake specialized training in the subject. In many cases students who are offered walls to practise on—in canteens, for example—are able to bring the art of wall painting to large sections of the public for the first time.

*

But public interest must be fostered carefully, and I am glad to see that the Hampstead Artists' Council have hit on a happy way of doing this in their exhibition, *Six Places in Search of an Artist*, which will be open from June 4 to July 2 at Studio House, 1, Hampstead Hill Gardens, N.W.3. Members of the council will be showing, by means of models, how artists could improve the appearance of six public buildings in the locality. Some of the work to be displayed is disappointing but the idea is good and is worth copying in other areas. The one really effective way of interesting people in this form of decoration is to show them how it could be used to brighten up their own surroundings.

CHELSEA FLOWER SHOW

A paradise of blooms, but oh! the architecture! That has been ASTRAGAL'S verdict on the Chelsea Flower Show in the past, and he regrets to report that it is his verdict this year, too. It is a tragedy to the architect that what is probably the finest show in the world horticulturally, must be marred by orgies of twisted iron gates and sentimental garden statuary, and above all by those show gardens with thatched ingle-nooks, rustic brick pergolas and ornamental bridges over pools, unnecessarily leading on to nymph-ridden rockeries.

*

The tragedy is not only in the poor standard of design shown by the gardens themselves, but in their widespread influence. The enthusiastic amateur gardeners who make an annual pilgrimage to Chelsea are led to believe that this is the effect to aim at; the garden contractors perpetuate the style to meet the popular demand—and so the vicious circle goes on. I suppose these tedious sentimentalities are inevitable while the gardens shown at Chelsea are all the work of garden contractors who rent space to show what they can do. But another year



This bronze housing medal, which will be awarded each year by the MOH, for the best designed local authority housing schemes in each of the eleven housing regions of England and Wales, was designed and modelled by T. H. Paget. The terrace of small houses inscribed here is based on the design of those by John Nash which once stood in Munster Square, London. The obverse carries the Royal Arms. Entries for the first awards, covering the post-war period ending December 1949, are now being considered.

—say 1951—couldn't the RHS themselves commission one or two modern gardens from good architects?

*

Such a move might do a lot of good. Think of the impetus given to British exhibition design by the Government's decision to commission a properly designed national display at the Paris Exhibition of 1937, replacing the shameful British contributions to previous international exhibitions, where commercial firms rented space and filled it as they liked. Someone has to set a lead who does not mind being temporarily unpopular if he departs from the familiar.

*

The splendour of the flowers apart, I only have a couple of other comments to make on this year's Chelsea show. How comforting it is to find all the same types in evidence that one knew before the war—the upright military figure in a well-brushed bowler, the matron ecstatic about delphiniums, the ingénue in her first picture hat, and the little gnarled man who knows all about composts. And how inevitably any display containing running water draws the crowds, even if there is nothing else but a few bits of moss to look at. This is surely another tip for the exhibition designers of 1951.

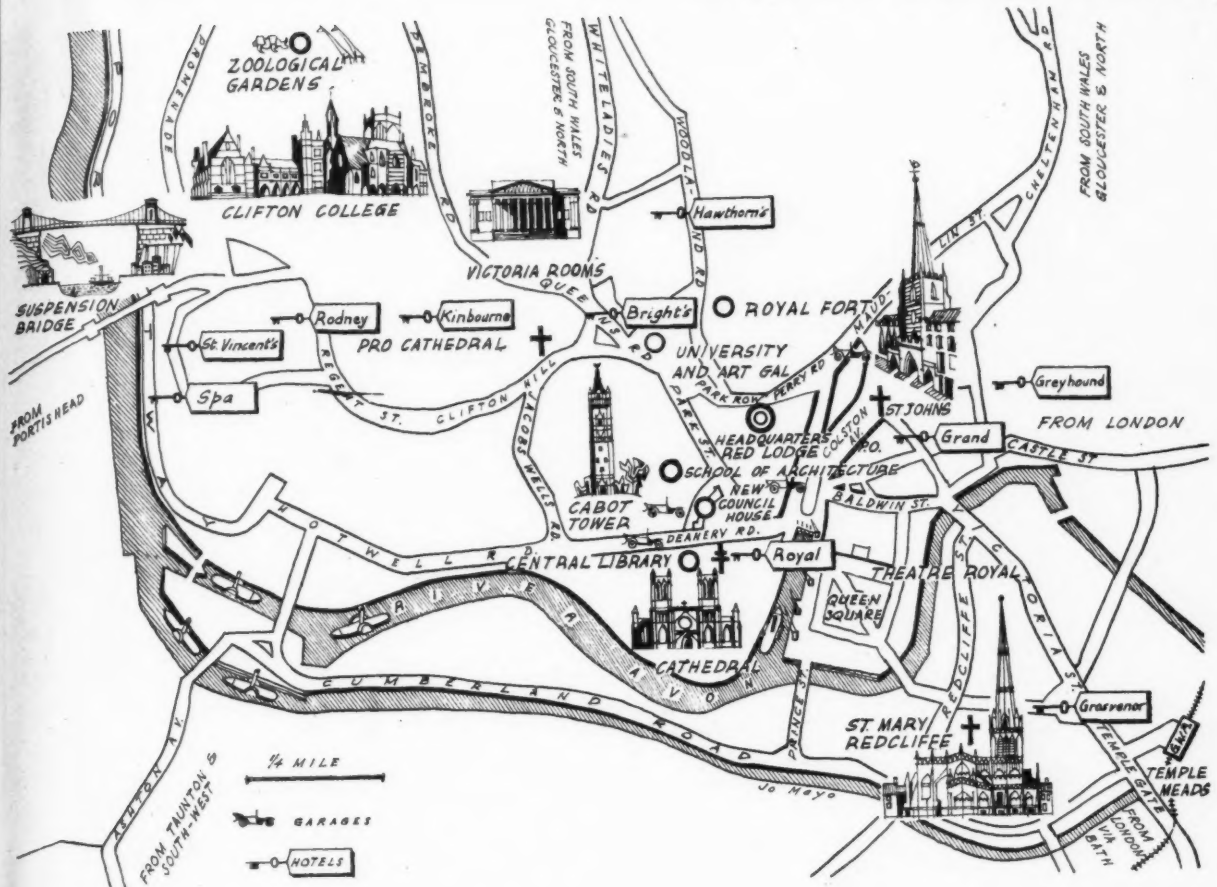
ASTRAGAL



A Window on to Bristol

This week we open a window on Bristol, where architects from all over the country will congregate next week for the annual conference of the RIBA. In the following pages we show something of the life of the Bristol architect, as he copes with the present and occasionally

tries to separate it from the past; the more carefree existence of the architectural student, with his visions of the future; and, finally, the historical background, which both the student and the practising architect see as the frame of the picture they will add to and even improve.



Plan of Bristol.

THE BRISTOL CONFERENCE PROGRAMME

From June 7 to 10. The headquarters of the conference will be at the Red Lodge, Park Row, Bristol.

WEDNESDAY, JUNE 7

8.30 p.m. to 11 p.m.—An informal Reception will be held at the Red Lodge, at which members will be the guests of the Bristol Society of Architects. Light refreshments. Music. Informal dress. Coaches will leave Bath at 8 p.m. for conference headquarters, and will return to Bath at 10.30 and 11.0 p.m.

THURSDAY, JUNE 8

10.15 a.m. to 12.15 p.m.—The inaugural meeting will be held at the Physics Lecture Theatre, Bristol University, Royal Fort, Bristol. Reception and address of welcome to members by the Lord Mayor of Bristol, supported by the Mayor of Bath. Address by Michael Waterhouse, M.C., president R.I.B.A., followed by a paper on "The Protection and Preservation of Historic Buildings," by the Earl of Rosse, M.B.E., F.S.A., chairman of the Georgian Group.

Lunch.—Members and guests will make their own arrangements for lunch.

3 p.m. to 5.30 p.m.—Garden Party and conference photograph at Blaise Castle, by permission of the Lord Mayor and City Council of Bristol.

8.30 p.m. for 9 p.m. to 1 a.m.—Civic reception and dance at the Pump Room, Bath, by invitation of the Mayor and Mayoress of Bath. Evening dress, decorations, presidential badges.

FRIDAY, JUNE 9

10.30 a.m. to 12.30 p.m.—Paper to be read by Lionel Brett, M.A., A.R.I.B.A., on "The New City Centres of Europe," at the Physics Lecture Theatre, Bristol University.

Lunch.—Members and guests will make their own arrangements for lunch.

Half-day Tours

2 p.m. Tour No. 1.—Headquarters, Christmas Steps, Lewin's Mead, St. John's Arch, Guildhall, Christchurch, Council House, Church of All Saints, Corn Street, Corn Exchange, Llandoger Trow, Cooper's Hall, Theatre Royal, College Green, Cathedral, Central Library, Lord Mayor's Chapel, Park Street, University Tower and Buildings.

2 p.m. Tour No. 2.—Coaches from headquarters to Bath, where Bath delegates will be joined at 2.30 p.m. to visit Queen Square, Gay Street, Circus, Assembly Rooms, Brock Street, Royal Crescent, Lansdown, Paragon, Pulteney Street, Bath Street, Colonnade and Guildhall.

2 p.m. Tour No. 3.—Coaches from headquarters to Filton for a conducted tour of Brabazon Hangar. Refreshments.

2 p.m. Tour No. 4.—Coaches from headquarters at 2 p.m. for Bath, where they will be joined by Bath delegates for a visit to Prior Park, returning via Bath.

Whole-day Tours

9.30 a.m. Tour No. 5.—Headquarters, Chip-
ping Sodbury, Tetbury, Cirencester, Bibury,

Coln Valley, Northleach (lunch), Birdlip, Painswick, Frenchay.

9.30 a.m. Tour No. 6.—Headquarters, Dundry, Chew Stoke, Winford, Butcombe, Blagdon, Burrington Combe, Castle of Comfort, Chewton Mendip, Priddy, Cheddar Caves and Gorge (lunch), Wedmore, Wells, over Mendips to Chew Stoke, Dundry.

9 a.m. Tour No. 7.—Headquarters, Bath-Kingsdown, Hazelbury House, Bradford-on-Avon (lunch), Great Chalfield Manor, Lacock, Corsham, Bath.

Conference Dinner.—7.30 p.m. for 8 p.m.—Queen's Hall, Berkeley Square, Clifton, Bristol. Guests will be received by President of RIBA and President of Bristol Society of Architects. Evening dress, decorations, presidential badges.

SATURDAY, JUNE 10

Morning Visits

10.15 a.m. Visit No. 1.—Inspection of Messrs. E. S. Robinsons' Pre-stressed Building, Malago Vale, Bristol.

10.15 a.m. Visit No. 2.—Headquarters, College Green, Park Street, Georgian House, Floating Harbour, Rownham Hill, Suspension Bridge, Clifton, pass Clifton College and Zoo, Durdham Down, Sea Walls, Clifton Down, Hotwells.

9.30 a.m. Visit No. 3.—Headquarters, Dundry, Chew Stoke, Butcombe, Blagdon, Burrington Combe, Cheddar. Return headquarters (scenic tour of Mendip country) at 12.30 p.m.

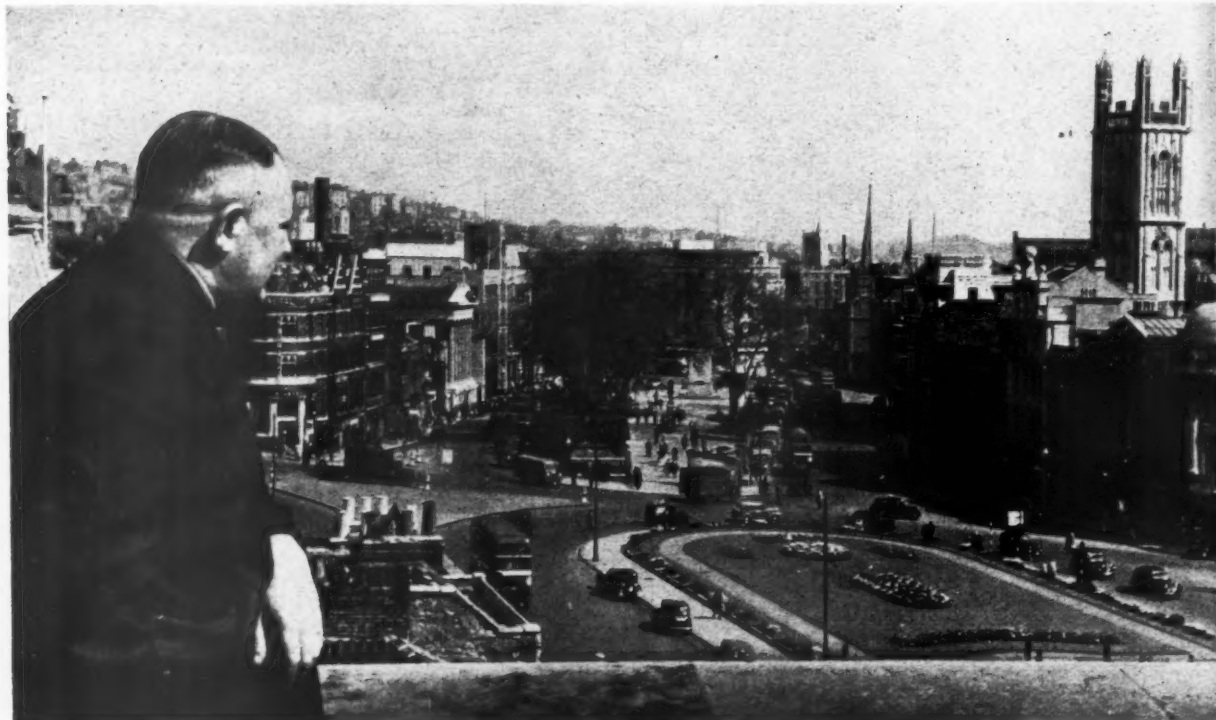
Visit to Theatre Royal.—A block reservation is being made of 100 seats in the "parterre" at the Theatre Royal on the evening of Saturday, June 10. The party will be conducted over the theatre.

A SURVEY OF THE LIFE OF

THE ARCHITECT IN BRISTOL

Bristol, the city chosen by the RIBA as the centre for its annual conference, is noted for its historic associations and its vigorous industrial life. But although the architect who goes there for the first time will find a number of historic buildings that are worth inspecting, he will doubtless be more interested in the man who shapes the city than the

man whose trade supports it. The cynic might say that these are invariably one and the same man. However, we have asked Lance Wright to guide the reader in deciding what influence the Bristol architect has on the life of his city. Mr. Wright, the author of this article, is registrar of the Royal West of England Academy School of Architecture.



The efficient architect must never be too busy to stand and stare. A. F. French looks down on the city Centre from Halifax House, a building of his own design, which houses his offices. On the right is St. Stephen's Church and behind the trees, in the centre, is the Electricity House by Sir Giles Gilbert Scott.

If the architect in Bristol differs from his counterpart in London, or cities of similar size, this is largely due to the different life he leads and to the influence which different social contacts have on him. When the London architect has passed muster with the RIBA he can move instantly into a coterie of men with similar architectural tastes and remain there all through his creative life. But the Bristol architect has only one coterie to resort to—that of the whole body of his professional colleagues. It is always possible, of course, that a man who is determined to keep the business of aesthetics paramount might, *faire école*, bring the local architectural corpus into his way of thinking and give his city a run of genuine pioneering. But it is only to be expected that the work of the average architect should tend to become a mean of the beliefs and tastes of those about him. This is usual, but not inevitable.

Then again, a city like London contains a substantial body of clients who are prepared to go to some trouble to find an architect who is able and willing to provide innovations. But in Bristol this type of clientele is not large enough to support an architect. Furthermore, the

architect draws his client to himself by means of the figure he cuts in the social life of his city. He is always moving in a very small and, by London standards, intimate society. Everybody knows everybody else, and most of those who have the misfortune to need an architect are on the look-out, not for someone dashing who will make their commission the raw material for experiment, but for someone distinctly conventional and reassuring. The circle of patronage is small and compares notes freely. And, of course, the Bristol architect sees a great deal of his client. Whereas Londoners may put on their hats at the end of the day and go home to widely separated suburbs, Bristolians stay on at six for a committee of the Civic Society and return at eight, grumbling but resigned, to within a stone's throw of their offices, to eat a twice-cooked chicken leg at a Rotarian Dinner always in the company of the same people. Therefore the Bristol client never loses sight of his architect for more than a few hours at a time. He watches him like a lynx from the far corner of the room where he is drinking sherry and senses his every reaction at the countless committee meetings which each must attend.



Eustace Button, who designed the Bristol Steam Navigation Company's offices (illustrated on page 685), entering his office in the Georgian square at the top of Park Street.



An architectural centre: Orchard Street, with its cream washed walls and architects' brass plates.



Bristol architect, E. F. Peat, visiting the partially completed Colodense factory, which he designed recently. (See page 689.)

This unremitting contact between architect and client, which acts as a brake on those who are gifted in design only, is something the London practitioner can never experience. But it must not be forgotten that this architect-client relationship is, in itself, a perfect arrangement. The only reason why its operation in Bristol seems unattractive at the moment is that the client's part in the relationship is weak.

It is quite easy to think of "the Bristol client" as a single person because the kind of social life he leads begets great unanimity. And incidentally, he is unquestionably alive to the importance of architecture. The words of the architectural publicists have sunk into him in a manner which would both flatter and disconcert them. No longer does he say that architecture is stuff and nonsense. Instead he gives an almost embarrassing acknowledgement of what he would describe as "the need for architecture"—though he would be hard put to it to say what he meant by this. His position is exactly paralleled by the character of a Canadian newspaper magnate in Evelyn Waugh's *Brideshead Revisited*, who desired at all costs to be received into the Church but lacked the human com-

pleteness to grasp what it was all about. Many followers of the arts in Bristol resemble the unfortunate type of person who respects the Church and its teachings without knowing why he does so.

The Bristol architect is made aware of the false aura which surrounds his profession from the first moment he comes into contact with his client, and he is never allowed to forget that it is this dubious cement which binds the two together during their long and arduous relationship. It is also probably true to say that the majority of the commercial firms who employ architects do so, not with any desire for greater efficiency, but because their directors have been won by this architectural mysticism.

There is, in fact, a Society which embodies to perfection this side of the architect's experience; it is known as the Bristol Savages. This artists' club, which is linked, at least spiritually, with the London club of the same name, casts its net sufficiently widely to include professionals and amateurs in many diverse categories. The architects form only a small section of the club, but by virtue of the strong technical position of their profession—with

one foot in art and another in commerce—they are key members. The club is old-established, representative and thriving. Meetings are held in a hideout known as "The Wigwam"—a rafted hall built in the courtyard of an old city mansion called The Red Lodge, and hung with Waterloo helmets, assegais, buffaloes' horns and all the trophies which an acquisitive past membership could bequest.

During the winter months the Brother Savages assemble regularly once a week in this startling venue to follow their staple occupation, which might be described as a kind of community sketching. A chairman designates the subject for the night—perhaps something concrete like "A Summer Evening," or a phrase like "On With the Dance"—and thereupon the Brothers set to with all their skill to render it, each in his particular way. This institution has excellent standing in Bristol and is particularly valued by business men who fear that their ordinary avocations may perish something precious inside them. Entrance to it is carefully screened on a basis of strict artistic merit, and such is its prestige that the flap of the Wigwam has had to be shut against many faces.

Another factor which our architect, if he is at all sensitive, cannot fail to notice, is the aftermath of the contest which Architect Opinion fought against Bristol Philistia in the 'thirties. The architects were, at that time, very active in preservation work and in the debating of town planning issues. The tragedy was that their efforts were generally bedevilled by two unfortunate circumstances. The first was that, in the jungle war between architects and engineers, the citadel of Bristol official life had been won early by the rival faculty (the City Architect's Department was not created until 1937), and it was, therefore, an easy matter to interpret architects' criticisms of the city plan as inspired by professional jealousy and as being, in any case, the irresponsible cries of a handful of aesthetes "who had not got their facts." The architects mustered bravely to the defence of Queen Square against the city engineers, who succeeded in their object of constructing a road diagonally across it. Doubtless the architects' lack of success helped to build up in the Bristol mind the antithesis between the ineffectual architects, with their maundering love for the past, and the go-getting engineers, heralds of progress.

A second bedevilment of almost the same kind arose



J. Nelson Meredith, city architect, discusses housing progress with his chief assistant, Albert H. Clarke. Below, some of the eighty assistants in the department.



because vocal Architect Opinion was emphatically conservative at the moment when the city swung over to a strong labour majority. For this reason the young Bristol architect, wherever his sympathies, cannot hope to evade the backwash of arguments which raged when he was sitting oblivious in his pram.

Perhaps it should be added that the architects' interest in preservation work has survived all this and that the man whom we are considering would, in all probability, still be nudging unresponsive City Fathers through the medium of the Civic Society, or the Council for the Preservation of Ancient Bristol, or the newly formed Exploration Fund.

Finally, it is necessary to say something about the local Society of Architects and the school it has created. Here again, relationships are altogether different from those which exist in London. For there the architect is less occupied with local societies, and his characteristic attitude towards the RIBA is hardly more personal than his attitude towards the GPO. In Bristol, circumstances do not allow of this detachment. Mention has already been made of the social bond which exists between architects. This bond existed before the formal Society was

inaugurated. There is no doubt that what has consolidated the Bristol Society of Architects is the School of Architecture. This was founded in 1921 in circumstances which resemble to a startling degree the foundation of the Architectural Association School to which, incidentally, it is affiliated. The loyalties which the Bristol Society of Architects and the Royal West of England Academy School of Architecture arouse are, in fact, analogous to those aroused by the AA and its School—if one could imagine the AA holding a total sway in a small community.

If it was the Society which made the School, it is certainly true that the School has made the Society, and that both are now locked in a deathless embrace. About one third of the principals of local firms have been to the School, and as the years go by this proportion will presumably increase. Furthermore, it is a point of policy that the teaching staff should, as far as possible, be recruited from architects in practice in the city, and it is something of an established notion that architects who are setting themselves up should begin by putting in two or more days a week of teaching in the School. Local firms watch out avidly for promising School leavers, and

These further photographs of local government architects at work show R. M. Love, right, an architect on the staff of the local Ministry of Health, and below (centre), E. L. Thompson, regional architect to the Ministry, in conference with E. Whitman Everest, regional quantity surveyor (on his left), Mr. Richardson, managing director of Woolaway Construction Ltd. (on his right), and Mr. Corseaden, quantity surveyor to the company.

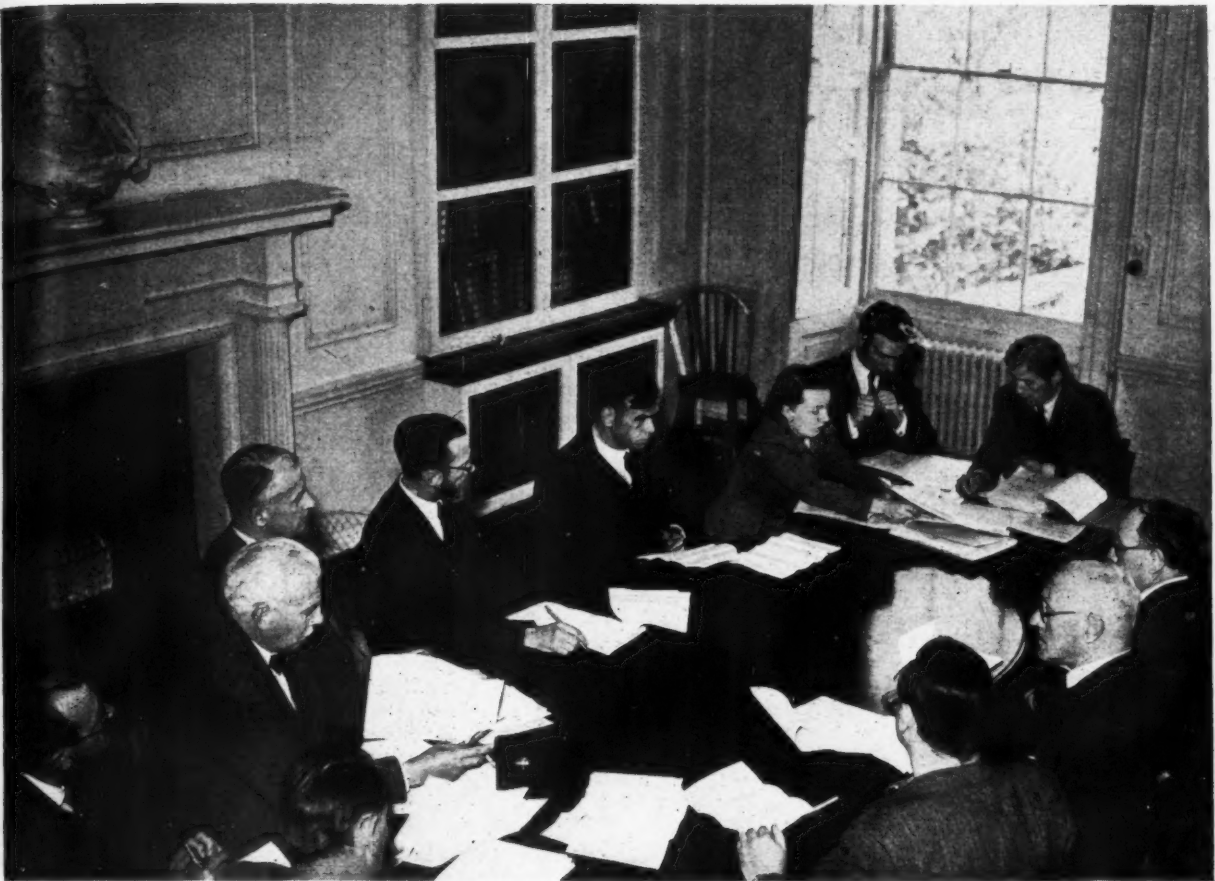




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The life of the public and private architects finds its highest (or lowest) common factor at the monthly luncheons of the Bristol Society of Architects, held at the Berkeley Café in Park Street (opposite page, bottom). Architecture is hardly ever referred to officially on these occasions. Desmond Tripp, a photographer, is seen not talking about it. Those who really want to talk shop can always make the effort of climbing another hundred yards or so to the Society's headquarters and school (opposite page, top, left). A Society council meeting in progress in the library is seen above. Reading from left to right, the members are:—Eustace H. Button, Gordon Hake (principal of the school), W. J. Brown (chief local architect: MOH), H. Bankart (of Bath), K. Nealon, Miss Murphy (secretary), A. H. Clarke (honorary secretary), R. S. Redwood (president), R. H. Brentnall, W. J. Stenner, P. L. H. Wakefield and A. H. Down. On the right are Messrs. Bankart and Down, having tea after the meeting.

Opposite page; top, right; R. S. Edwards surveys the ruin of the former YWCA. He hopes to reconstruct the facade from a photograph.



the architects on the School council legislate desperately to produce the kind of material they would like to see in their offices.

This Alma Mater of Bristol architecture is situated in a large detached Georgian house at the top end of a steep cul-de-sac leading off the busy shopping area of Park Street. Visiting architects are usually rendered speechless for five minutes or so after they have climbed up to this mountainous site. The garden windows look out on to the convex back of Mr. Vincent Harris's Council house and beyond, to Charles Holden's Central Library and Street and Pearson's Western Towers of the Cathedral.

This is the eyrie into which the Bristol architect must climb if he has to attend a BSA Council Meeting, or if

he wants to be in the company of his fellows. He can get lunch or tea there from the caretaker, Mr. James Ryan and his energetic wife, who clear the basement Lecture Room at meal times and serve a familiar but presentable lunch or tea at 1s. 6d. or 9d. respectively. The architects themselves are allowed to jump the queue, and they sit in state in a traditional corner where they are served by Mr. or Mrs. Ryan in person, while the student mob, subject to cafeteria discipline, snickers and guffaws in the passageway outside.

It is always difficult to estimate the influence of a school upon the design of buildings which go up. Those who have had any experience of teaching during the last ten years will all testify that the influence of the teaching staff amounts to positively nothing. But they are, of course,



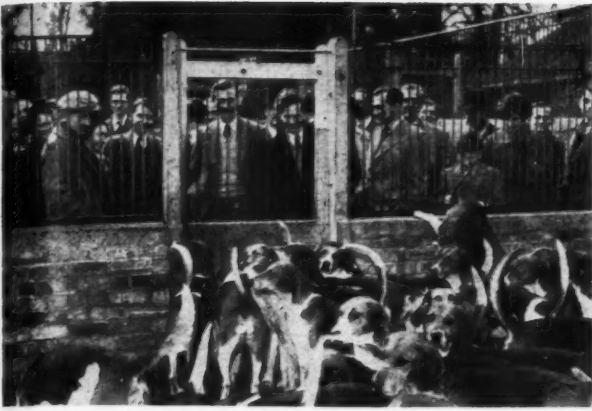
Life for the Bristol architect does not consist entirely of work and conferences. Once a year he goes on an outing with the Wessex Society of Architects. The distinguished crocodile beneath the trees is visiting Badminton village.

deceived. There was, in fact, a time when the weight of teaching was very much heavier than the weight of student opinion, and it is inconceivable that the staff had no influence then. It seems certain, therefore, that when the world is a hundred years older, travellers to the West will be able to discern the personality of the school's virtual creator and present Head, Guy Donne Gordon Hake; and that in really erudite circles the Bristol Region may even be called "The Gordon Hake Country."

If it is fair to say that the School animates the Society and provides it with a roof and, directly or indirectly, most of its officers; it must also be pointed out that the BSA has a life of its own. The members meet for lunch once a month at the Berkeley Café at the top of Park Street. These lunches draw an average number of about 70, representative of nearly every office in the city. Architects from the Ministry of Health and Ministry of Works come down to them from the Ministerial centre in

R. W. Paterson, diocesan architect for Gloucester, pauses to appraise the Beaufort memorial in Badminton Church.





The Wessex architects on their annual outing, inspect the Beaufort hounds. Right, W. Sydie Dakers, chairman of the Bath group of the Bristol Society of Architects, meeting with equal canine indifference.



Cotham; the city architect's men climb up from Eagle House at the city centre; the staffs of private offices come from Orchard Street, and the School staff and students approach by a back route across Brandon Hill.

At the end of the lunch the company sits back and, while drinking coffee (compulsorily mixed with milk), listens to a twenty minutes' talk by someone from another profession. Whether this is a sanitary inspector, a photographer or a script writer, depends on whom the

The "Wigwam," headquarters of the Savages' club which includes architects among its members.





Members of the Bristol Society of Architects relaxing at the Compass Inn, Todmaston.



R. S. Redwood talks to Society members at a bi-monthly "Sausage-and-Mash supper" in the Grand Hotel.



The Society owes its consolidation to the school. And here is the school's virtual creator, Gordon Hake, showing an interest in one of the Savages' tribal customs.



Bristol architectural students temporarily put on one side their ambitious plans for the city as they study the diverse arts of brewing and bebop in their basement club.



In the students' club R. Hill is seen lecturing to visiting Bristol Council students on architecture, a subject that is less of a joke to the architect than it would appear to be to the student—



—although the environment in which he discusses it is quite often similar. Colonel Cole, president of the Gloucestershire Architectural Association (right), talking to W. J. Brown.

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honorary secretary had been sitting next to at a previous meeting of the Round Table.

A characteristic of the BSA is an absolute aversion to solid meat in talks. It was once a practice to stage formal lectures in the new studio at the School. But as this meant that lecturers summoned from the North of England to talk on, say, aluminium roof trusses, received an audience of five bribed students and two old ladies who had really meant to go to a Missionary talk at Church House next door, they were given up, and were brilliantly replaced by Sausage-and-Mash supper parties at the Grand Hotel. On the whole the Bristol architect is always anxious to meet his social obligations and will, if necessary, reduce visits to a building in progress in order to make sure that he has enough petrol to meet the Gloucestershire Architectural Association and the Wilts and Dorset Society of Architects at a rendezvous in the Cotswolds.

Practice in a provincial city is confessedly carried on in an intellectual atmosphere which is distinctly relaxed. Hard thinking is not often done there. Thoughts become easily blurred and the differences of temperament and conviction which, in London and other large cities, make so wide a gulf between one man and another, count for little in Bristol. It is no accident, therefore, that the most

interesting aspect of Bristol practice is the social side: the architect's relations with his client and with his fellow architects. At times like the present, when the profession's tragedy is that it has somehow drifted out of the community which it is its business to serve, it would be foolish to overlook the importance of this. The Bristol architect knows his community so well. If his æsthetic sense and his intellectual processes are at times a little numbed and if he therefore reaches his answers more by way of the conventions than by any original perception of what is wanted, he does get there in the end and he carries his public with him.

If it be accepted that there are two achievements for which the distributor of architectural laurels must always be on the watch—the achievement of the initiator of new things and that of the man who does them best—it must be agreed that Bristol is unlikely to produce the first, but there is nothing whatever to prevent her from producing the second. The evidence of the BSA Centenary Exhibition—which will be on view at the RIBA Conference—seems to suggest that a time lapse of twenty years, vast and shameful as it looks to those who have trained themselves to feel with each breath of architectural change, is a small matter when one thinks in terms of centuries.

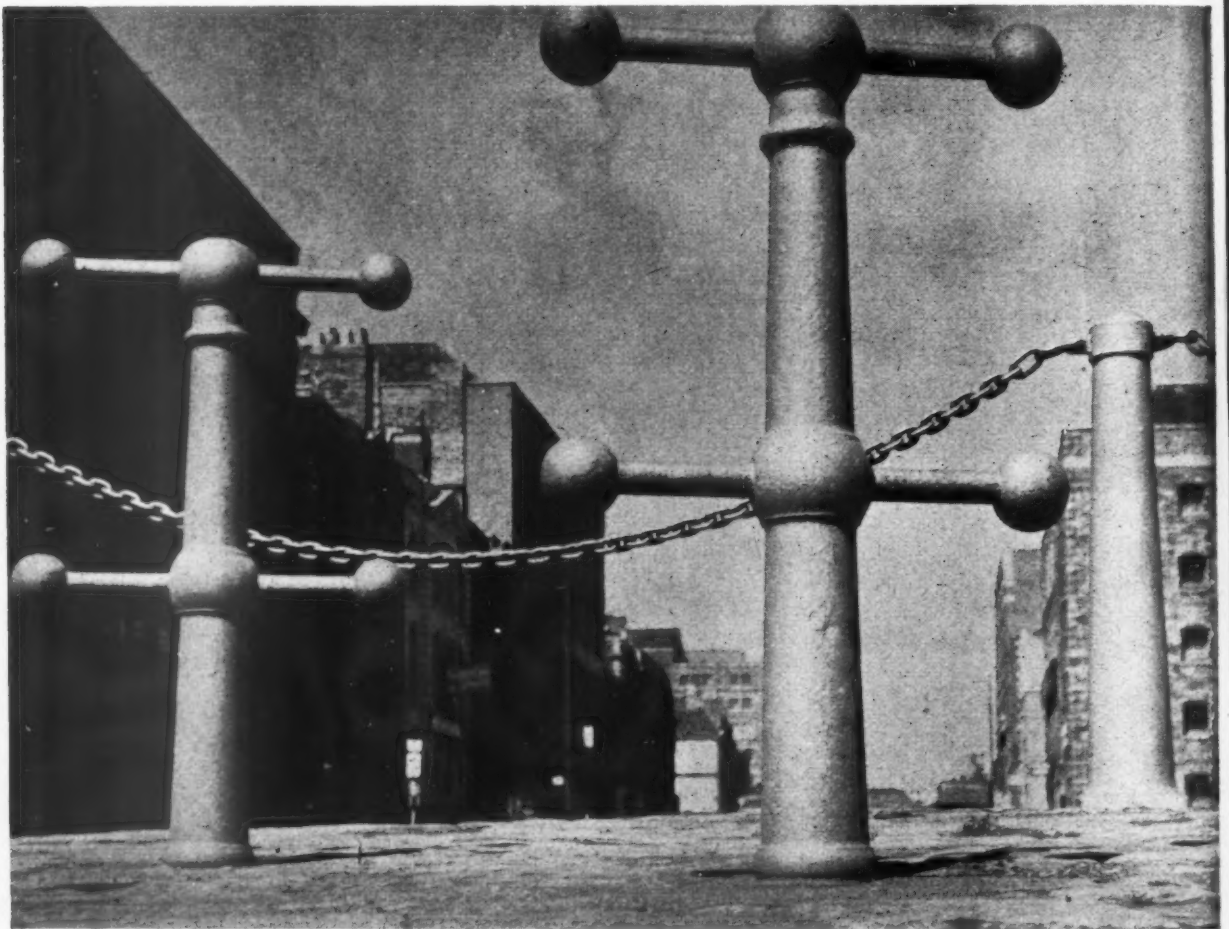
When the last dart has been thrown, the last nickel inserted in the nickelodeon and the last word spoken for the night, the city itself, unconscious of the time and thought expended on its future appearance, is looking its best. And as the architect or student leaves his social centre he may chance upon a sight like this. And if he does so he may feel that all those conferences, outings and intellectual orgies will prove to be worthwhile.



SOME PROPOSALS FOR

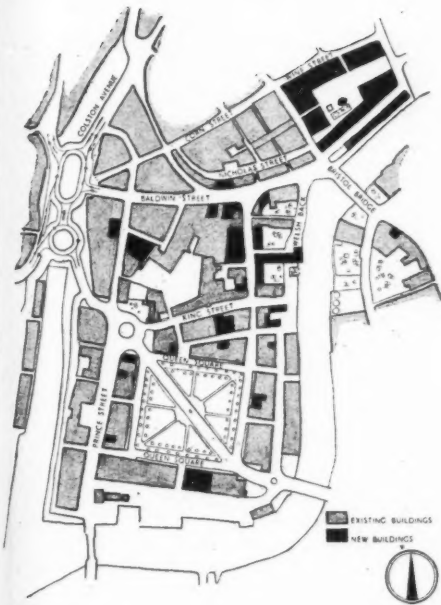
THE DEVELOPMENT OF BRISTOL

Bristol, in common with every town and city in the country today, is having an official plan prepared for its future development. However, suggestions for the form this plan should take are not confined to the official planners. Architectural students, in common with many other residents, have formed their own opinions, which they have acquired from living and working in the city, on the way in which certain of its features should be developed. On the following pages are shown the ideas of three students of the Bristol School of Architecture, Michael Hitchings, who wrote the text and made the sketches, Colin Nock, who collaborated on the writing, and Patrick Beaghen, who took the photographs.



Although Bristol as a spa at one time equalled Bath in popularity, and has since developed into the major industrial and trading centre of the west country, many of the designs which are characteristic of the city bear the stamp of the nautical tradition on which the city is founded. The boldly designed street furniture, above, which flanks Princes Street swing bridge and the street of that name, typifies the robust detailing which still enriches the visual scene in the old parts of the city. It is to be hoped that, whatever the future development of the city entails, the vigorous, rather coarse tradition which is so characteristic of the city will not disappear. A casual tour of Bristol quickly reveals the fact that there are three features of the city which are in danger of disappearing before they need. Firstly, the functional tradition as expressed in street furniture, sign posts, kerbs and railings. Secondly, the closely knit city centre, unique in having docks and warehouses side by side with offices, houses and shops. Thirdly, the early nineteenth century residential area of Clifton which, rising on a hill overlooking the old city, provides a link with the time when Bristol was a fashionable resort.

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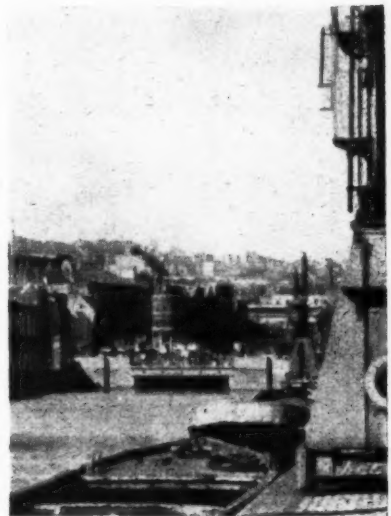


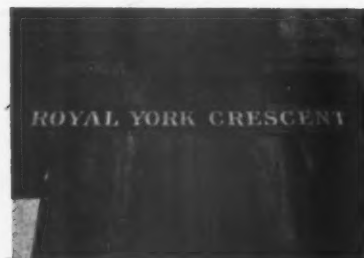
SHORT TERM PLAN

The point of this plan is to indicate in a simple way a number of practical developments and additional building which could be undertaken in the next few years without incurring heavy expenditure. The plan shows areas around the Centre which could be rebuilt immediately on the lines indicated in the sketches. These include schemes for the Centre itself; St. Nicholas Street and the covered market; the heavily bombed Wine Street area; and a stretch of the water front known as Welsh Back. The traffic problem is too complex to be dealt with on a short term policy, except to eradicate some of the congestion at the Centre. Here the problem is to direct traffic travelling in five main directions. Some of the congestion could be alleviated by the introduction of an island (extreme left of plan) facilitating the access of vehicles from the south-west to Queen Square.

THE CENTRE

The photograph shows how the dock runs straight into the city's Centre. The dramatic effect of this is lost because high walls and a statue of Neptune mark the break. The sketch below suggests a new treatment, with the statue placed asymmetrically and a wall placed to screen the traffic coming from College Green, thus linking visually the open Centre and the open dock. On the right in the sketch is a circular traffic island with a fountain, and beyond it a paved elongated island with trees which would allow a free flow of pedestrians crossing the Centre. The footpaths on the existing raised island are not related to the flow of pedestrian traffic and cause pedestrians to cross the square in a zig-zag line.





DETAIL

The photographs on this and the opposite page serve to indicate the richness of the Bristol scene, both in general and in detail. Typical of the detail treatment is the cast iron curb which still occurs over a wide area around the Centre. Its sharp pattern, which emphasises the contrast of setts and paving stones, shows up both by day and night and marks clearly the change of levels from road to pavement. The various types of street lettering, left, though not particularly distinguished, are still plentiful, and have not been replaced by over-refined Trajan or Sans-serif types. On the opposite page is a view of St. Mary Redcliffe from Prince Street Bridge. It shows the conglomeration of docks, housing, warehouses, church and shops which is part and parcel of the Bristol scene. This is a quality which should not be entirely planned away, as will happen if the current planning vogue for the segregation of areas under single functions, as shopping, housing, industries, is carried out. A certain amount of segregation is inevitable, but it should not be allowed to lead to the sterilization of large areas for a single purpose.

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THE MARKET

The sketch shows the proposed view looking down St. Nicholas Street to St. Nicholas Church, with the public house "The Elephant" on the left. The buildings on the right hand side have been set back in line with the church and the fish market, near right, so that lorries can back up for loading while leaving the road clear for traffic. The wholesale market is at present extremely confined.





SHOPPING PRECINCT

A suggestion for an enclosed shopping precinct on the heavily bombed Wine Street area; the solitary tower of St. Mary Le Port contrasts with the large department store behind and the small shops on the left. The tiny churchyard with its overgrown shrubs remains. An open air café serves the shoppers. Steps lead down to the street beyond.

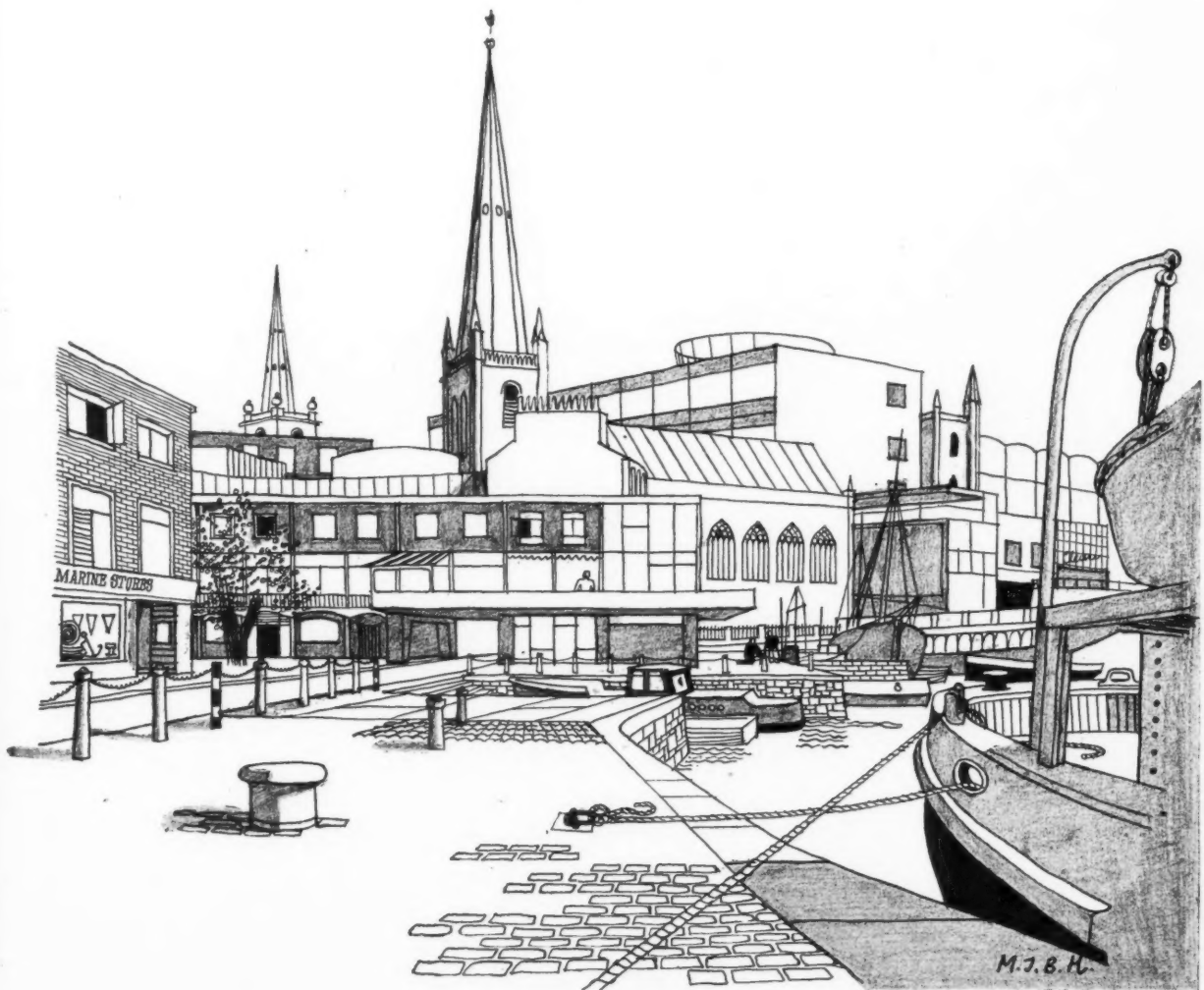
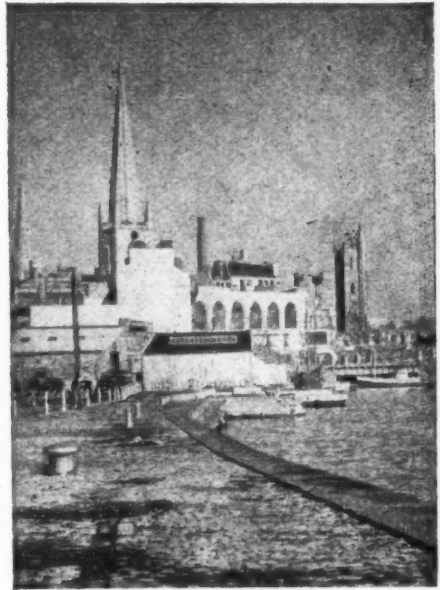
CLIFTON

The photograph below shows a typical example of the neglected residential area of Clifton. The possibilities of creating a pleasant environment are enormous, as the accompanying sketch shows. Drastic measures should be taken to prevent any further despoilation of this area. With the ruthless clearance of the dilapidated sheds and garages which fill up the backyards and what should be open gardens between the terraces, and with the conversion of the larger houses into flats the whole area could rapidly regain its true residential character.



THE DOCKS

At the end of King Street there is a bombed area of warehouses and docks which is known as Welsh Back. While this is not the most heavily used part of the dock area, a few ships still tie up to the quay in order to load and unload. It is felt that this is an area which could be rebuilt so as to incorporate a small residential area of quiet squares overlooking the active part of the river and dock. In the centre foreground of the sketch is a landing stage for small craft, to facilitate easy access by water. Beyond is the spire of St. Nicholas and on the right, above Bristol Bridge, is the shopping precinct sketched on the opposite page. The photograph on the right shows the bleak bomb-damaged area as it is today.





THE LONG TERM PLAN

The ultimate aim in the replanning of Bristol must be to relieve the congestion at the Centre. The plan above aims to achieve this. The congestion chiefly arises from the "figure of eight" circulation caused by traffic coming from Park Street, Colston Avenue, Baldwin Street and Queen Square. This pattern can be resolved either by a system of flyovers, impracticable within the size and scale of the centre, or by forming links between the bulges of the eight. Thus a road is constructed from Hotwells, below the Cathedral to the south, crossing the harbour by a new swing bridge and joining the existing bascule bridge along the south of Queen Square. Access to this road from the Park Street line of approach is made further north. The Cathedral is now one with College Green and can become a much quieter precinct, incorporating the small church of St. Lawrence towards the Centre and more ground to the south.

With the addition of another link on the opposite side of the centre, as in the official plan, the Centre would receive only internal traffic using the central area, and the road through Queen Square could be dispensed with; the square now regains its quiet residential atmosphere.

The lower end of Corn Street is rebuilt, and a large roundabout formed within the existing street pattern. A new office building here divides the too-long "channel" of the Centre; the dock side being paved, pedestrian and noisy; the north side grass, trees and quiet. The floating harbour now returns to nearly its former position, forming an area for the mooring of pleasure craft, doing their daily trips up and down the Avon.

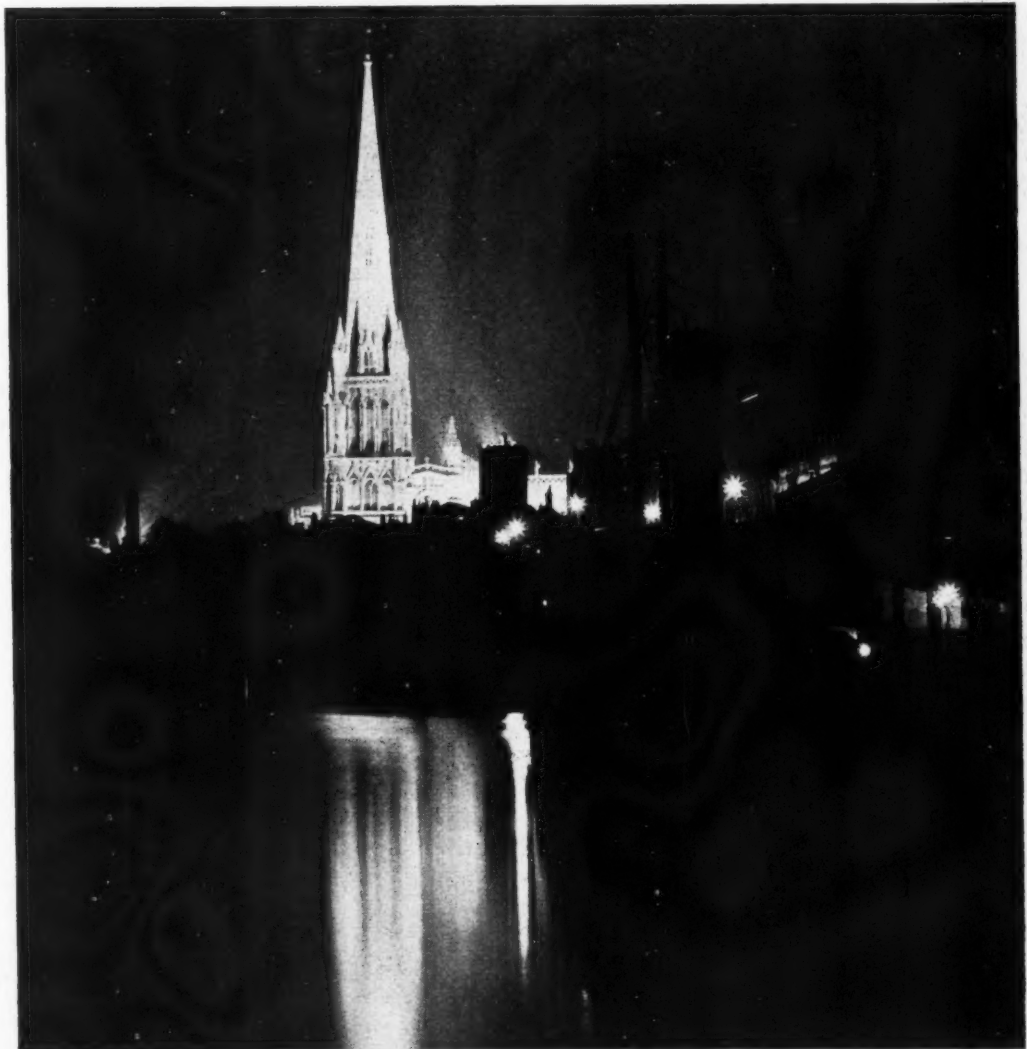
The area between Baldwin Street and King Street is rebuilt with high office blocks, the greater part of the space underneath being a car park. The shops on the east side of the Centre are rebuilt in a more useful form and the C.W.S. monstrosity to the south rebuilt, leaving an open space from the almshouses at the corner of Queen Square to the quayside.

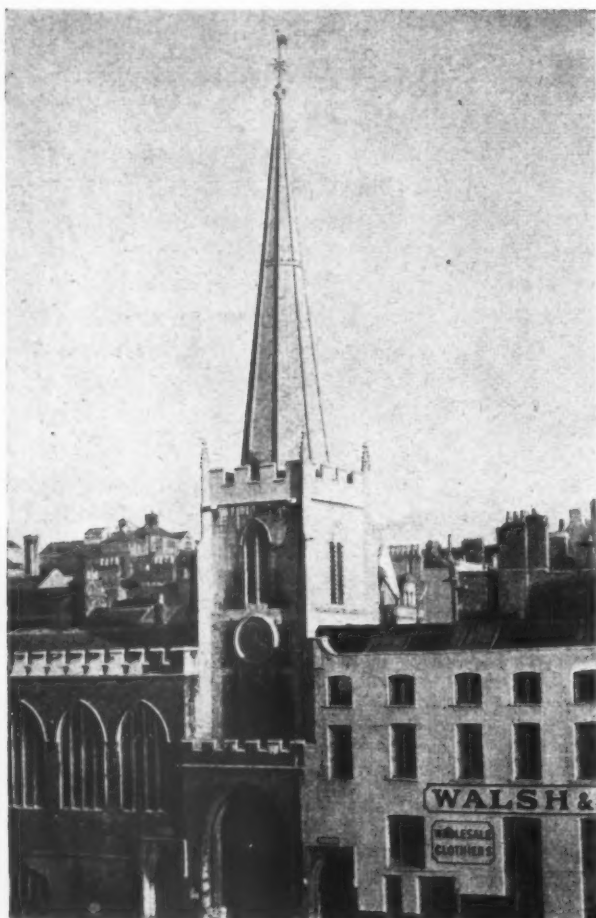
A SURVEY OF BRISTOL'S

ARCHITECTURAL BACKGROUND

The date of the foundation of Bristol is not known, but it probably grew up at about the time of Alfred the Great. It was built on the western end of a mound of land, an area of about 20 acres in extent, eight miles up the river Avon from the sea. It was thus well drained, easily fortified and had the advantage of controlling a navigable waterway. When the Conquest was followed by a growth of trade Bristol entered the forefront of ports outside London. Its first extension took place in 1248. In 1373 the town was raised to the status of a county and the form of local government and the extent of the town's boundaries, which were then decided, remained unaltered for 450 years. By 1700 the development of commerce with America and the West Indies had made it the third richest city in England. During this century the city centre was largely rebuilt and the character of the town was therefore changed. As Bristol has always relied on small trades, it did not feel the worst effects of the Industrial Revolution. Nevertheless, several industries disappeared and were replaced by new ones. But it is as a distributing centre for the West and the Midlands, and for overseas trade, that Bristol has taken her place in the Machine Age.

The Parish church of St. Mary Redcliffe, one of the finest examples of the Perpendicular style.





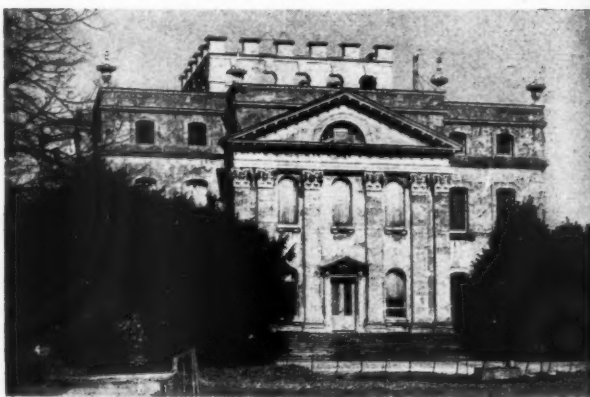
St. Johns-on-the-Gates, built on one of the original mediæval gateways in the business and administrative centre of the city.



The Llandoger Trow, King Street, built in 1664. This type of building was abruptly stopped in about 1700.



The Colston Almshouses, St. Michaels Hill, were built in 1705.



Kingsweston House, designed by Sir John Vanbrugh in 1714, was Bristol's first taste of Palladianism.



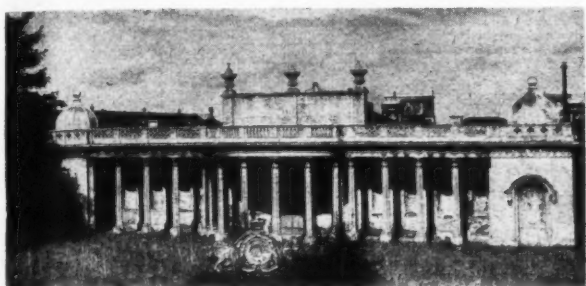
St. Michaels Hill, the ordinary Bristol architecture of the 18th century, rustic and with few obvious graces. This development up the steep northern hill, leading to the Downs, was the city's first real expansion beyond her mediæval boundaries.



Dowry Square, the original centre of the Spa at Hotwells, built about 1695. An assembly room of the Spa still survives.



Redland Green Chapel was designed in 1743 by John Strachan, a local architect, who worked with John Wood of Bath.

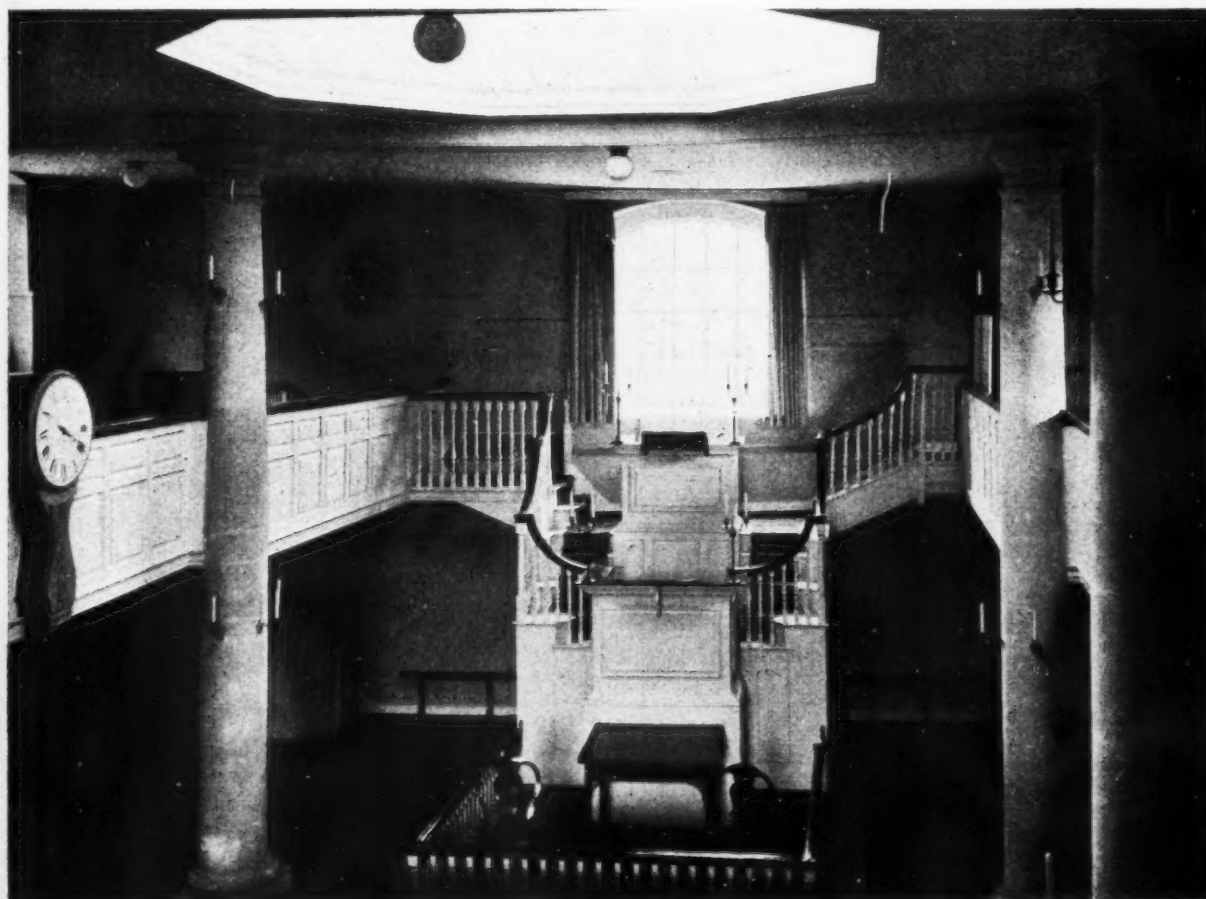


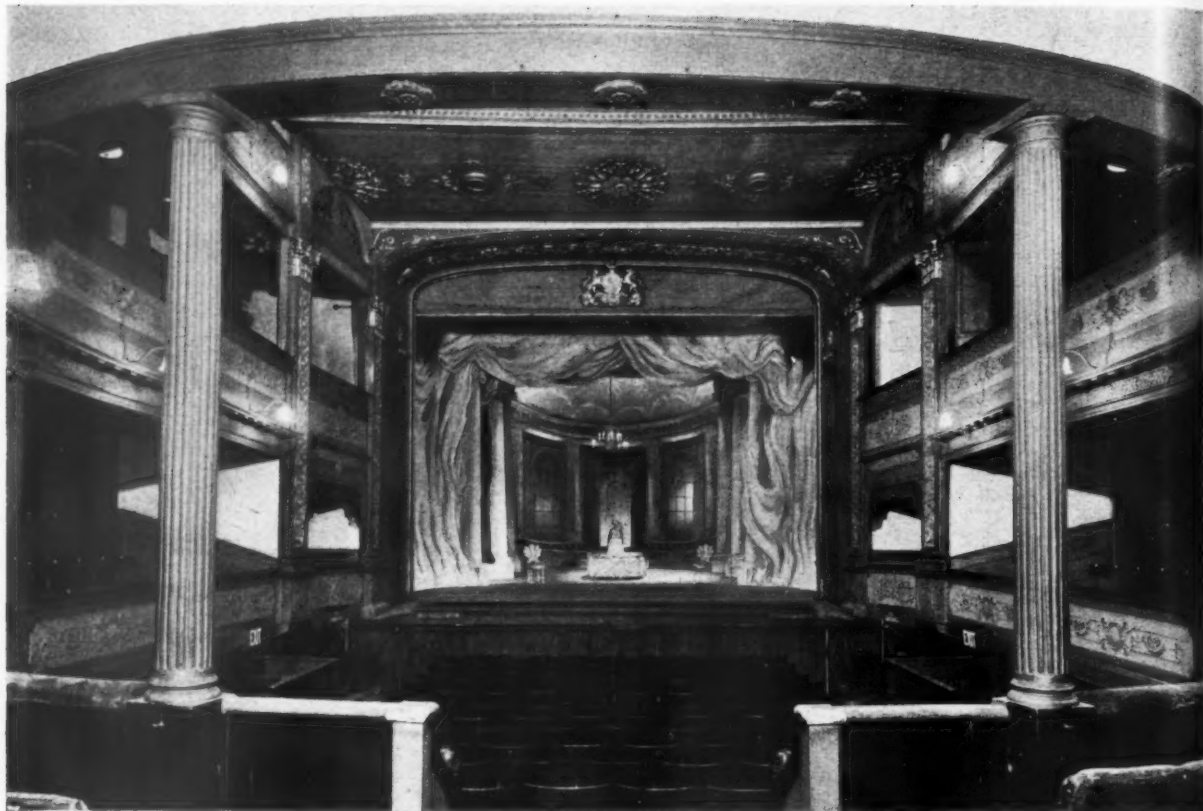
Arnos Bath House, Brislington, which has a fine plasterwork interior by Stocking, is sited in an industrial area. The city council has not been able to find a use for it.

Wesley's Chapel, Broadmead, opened by John Wesley in 1739, was the first Methodist church in the world.



It is not known who designed the tower and cupola of All Saints' church, which was built during the prosperous first quarter of the 18th century. It stands apart from the Norman church to which it belongs and forms a centre piece for the city. The adjoining Exchange was built by John Wood.





Above, the interior of the Theatre Royal, which was designed by a local architect, James Paty, in 1766. This oldest surviving theatre in the country is now used, of course, by the Bristol Old Vic company. Below left, the staircase of the Royal Fort House,

constructed in 1760. Plaster work here was carried out by Thomas Stocking. Below right, the Cooper's Hall, King Street, designed by William Halfpenny in 1744, one of the few surviving halls of the Bristol City Companies, is used for storing fruit.





Above left, Royal York Crescent, Clifton, was conceived and building was commenced in 1780, but work was not completed until 1843. It is thought to be the largest crescent in existence. The type of pedestrian causeway used here, with service from the road, was used elsewhere in Clifton. Above right, Windsor

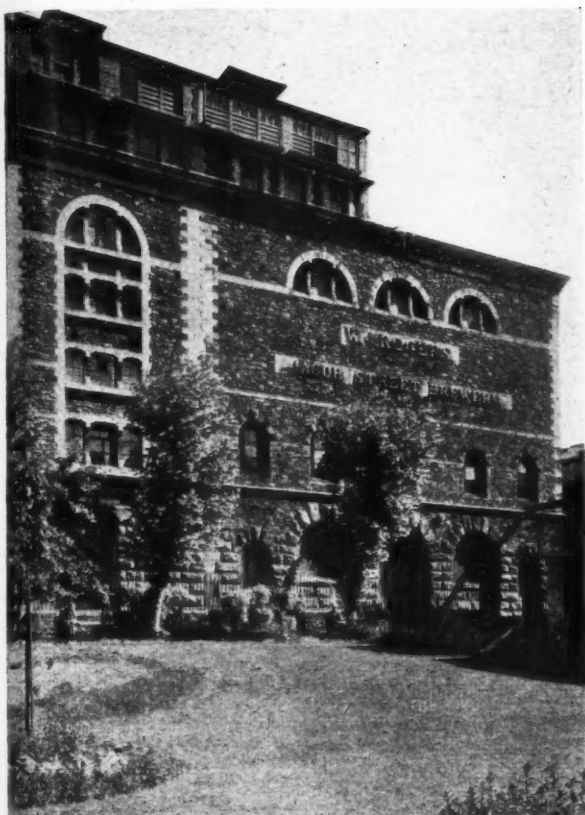


Crescent, Clifton. This was one of the first blocks to be built for the suburb of Clifton-on-the-Hill, which was founded in 1780. Although it was completely speculative, the new town was conceived as a single unit, with its own shopping centre and assembly rooms. Below, ironwork balconies at Sion Hill, Clifton.



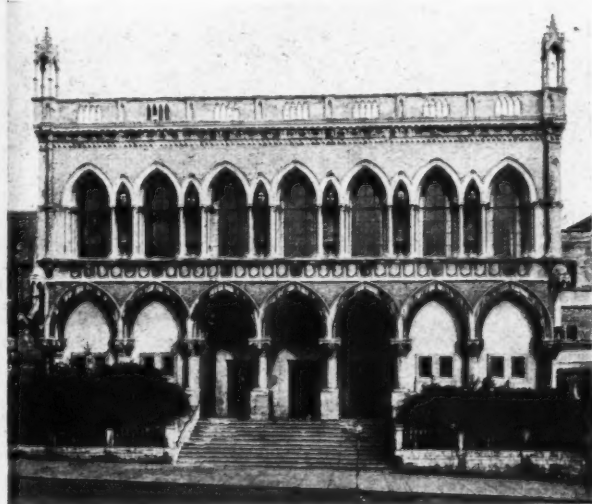


At the beginning of the 19th century, Bristol had virtually accepted the fact that she was no longer a great maritime city and had determined to enlarge the scope of her manufactures. A large industrial area began to spread eastwards from the historic centre and finally reached the colliery town of Kingswood, three miles away. By coincidence, there happened to be in Bristol at that time a group of architects of great originality. To meet the new need they evolved a somewhat exotic idiom, of which this Granary on the Welsh Back is an example. This idiom has since been called "Bristol Byzantine."



Rogers' Brewery, in Jacob Street, another example of "Bristol Byzantine." It is thought that William Bruce Gingell may have been the architect.

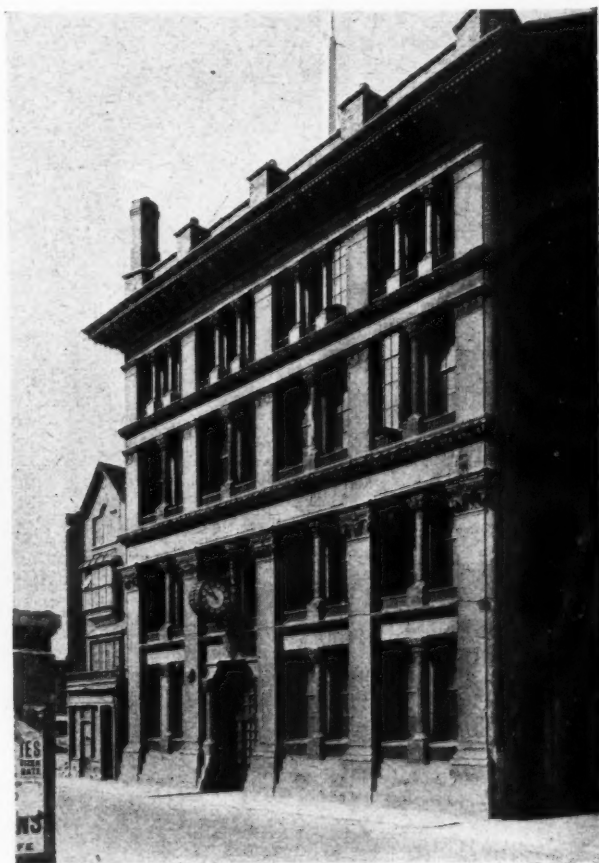
Below, the city museum in Park Street, designed by Archibald Ponton and John Foster in 1870. It has been suggested that the building's design was influenced by the fact that Ruskin was a member of the museum committee.

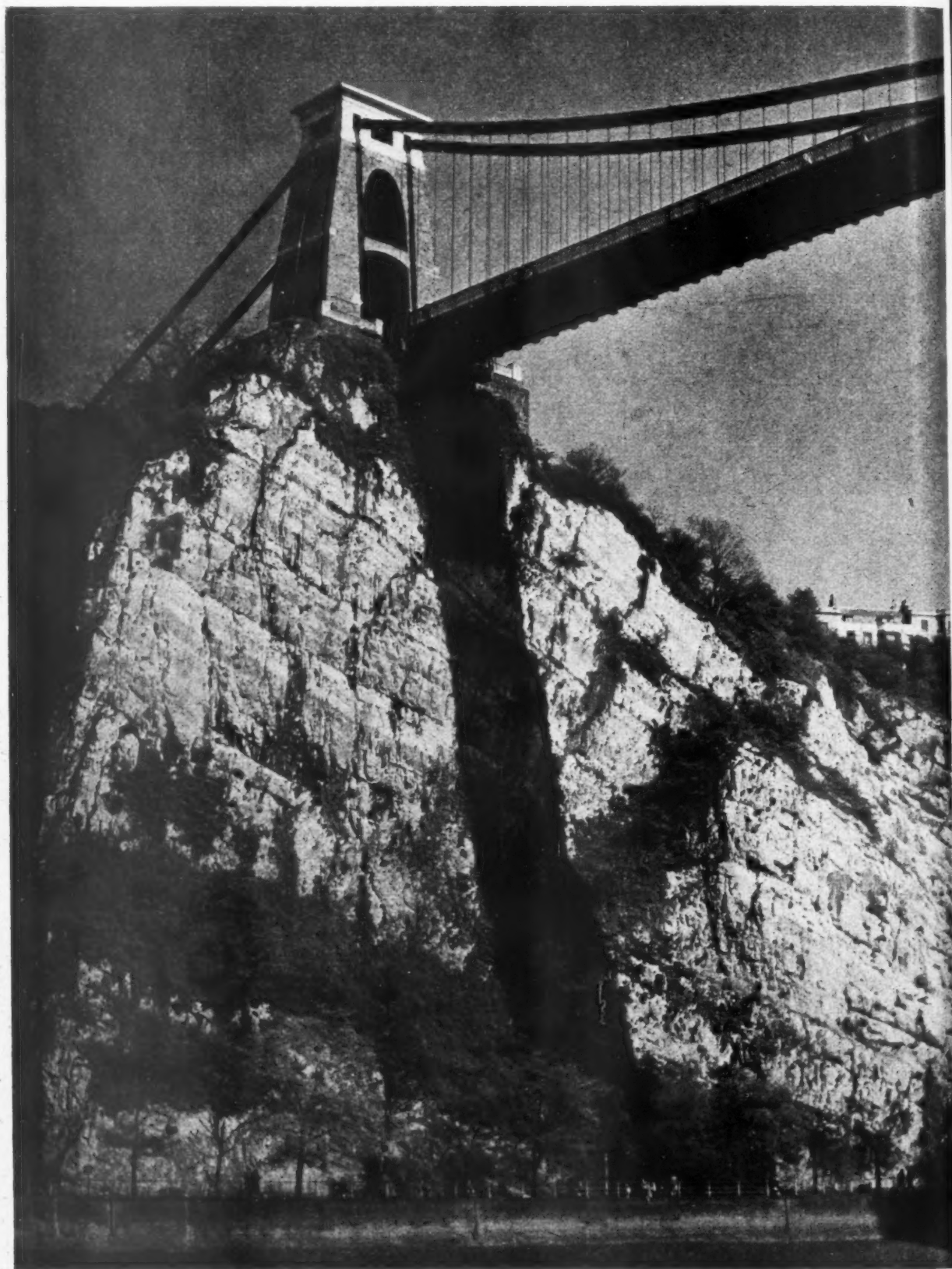


Right, the offices of W. D. & H. O. Wills, in Redcliffe Street. These offices were built for a rising firm of tobacconists in 1868, by Foster and Wood, who were responsible for the importing of specifically Byzantine detailing.



Yet another example of "Bristol Byzantine" is this warehouse in Stokes Croft. It was designed by Edward Godwin in 1863.





The Clifton Suspension Bridge, 703 ft. in span and more than 200 ft. in height, which is the best bridge of its type in the country, was designed by Isambard Kingdom Brunel in 1835, but was not completed until 1863. The chains used were taken from the old Hungerford Bridge. It is said that when the bridge was being constructed, the first string attached to the rope which pulled across the cable was sent over by means of a kite.

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POST-WAR ARCHITECTURE

in THE BRISTOL AREA

On this and the following pages we illustrate some of the work done by Bristol architects during the last five years. They include schools and housing by the City Architect's Department, a block of flats for the local Territorial Association, and other buildings by private architects. Further contemporary work by Bristol architects, which has already been illustrated in the JOURNAL includes the aircraft assembly buildings for the Bristol Aeroplane Company at Filton designed by Eric Ross (November 10, 1949) and a school at Romney Avenue designed by J. Nelson Meredith (October 13, 1949).

The Colston Fort flats by Scott and Redwood, from the north-east.





The Colston Fort flats from the west.



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

Key

- | | | |
|------------------------|------------|--------------|
| 1. Dining Living Room. | 4. Linen | 7. W.C. |
| 2. Bedroom | 5. Kitchen | 8. Balcony |
| 3. Bathroom | 6. Store | 9. Vestibule |

FLATS

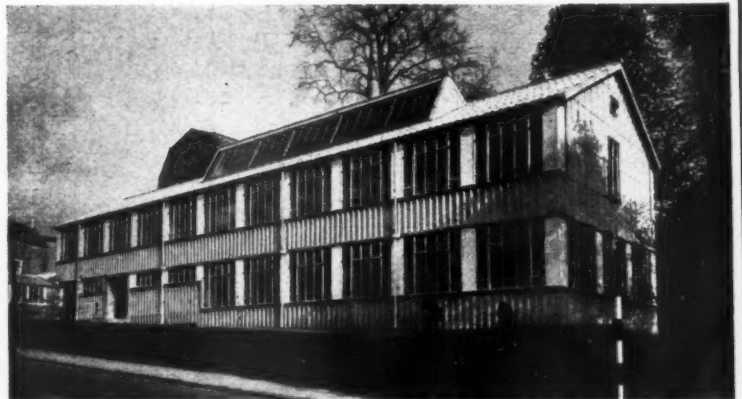
at COLSTON FORT, BRISTOL
designed by SCOTT and REDWOOD

This block of twelve flats, for the Gloucestershire Territorial and Auxiliary Forces Association, is now nearing completion. The plan form was dictated by the site. Access to flats is by means of two staircases. Walls: load bearing brick. Floors: concrete beam. Roof: timber trusses, insulation board, light gauge copper. Heating: open fireplace in living rooms. Hot water: gas unit heater.

PHYSIOLOGY AND PHARMACOLOGY DEPARTMENT EXTENSION

BRISTOL UNIVERSITY
designed by OATLEY and BRENTNALL

This department was built soon after the war to solve an urgent accommodation problem. General construction: steel frame. Walls: asbestos outer skin, 4-in. concrete block inner skin up to window cill level. Floors: concrete beam. Roof lining: building board.



Below, Physiology and Pharmacology department. Bottom, Veterinary school.

VETERINARY SCHOOL

BRISTOL UNIVERSITY
designed by OATLEY and BRENTNALL

The veterinary department took one year to build. Walls: 18-in. piers, 9-in. infilling, cement rendered, plastered inside. Roof: north light, building board lining with aluminium trim.



DOCKLAND SETTLEMENT

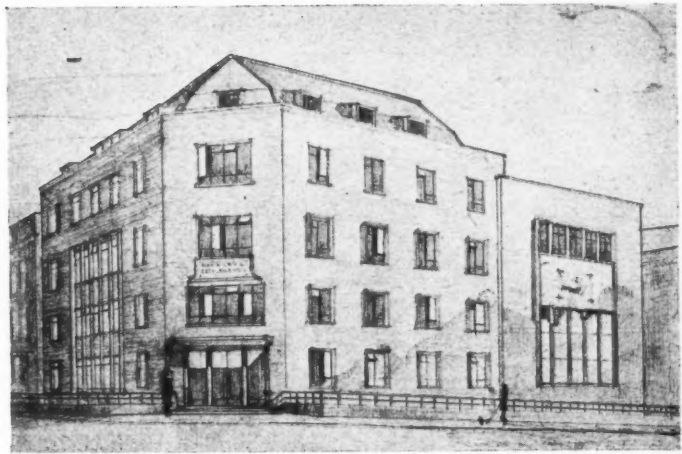
in CITY ROAD, BRISTOL

designed by J. R. EDWARDS

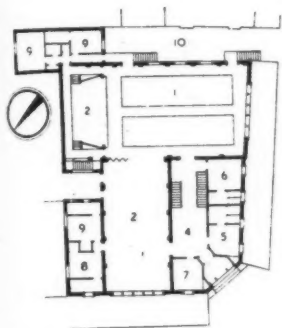


First floor plan

- Key
1. Chapel
 2. Reading and writing room
 3. Common room
 4. Games room
 5. Girls' quiet room



Proposed dockland settlement, City Road.



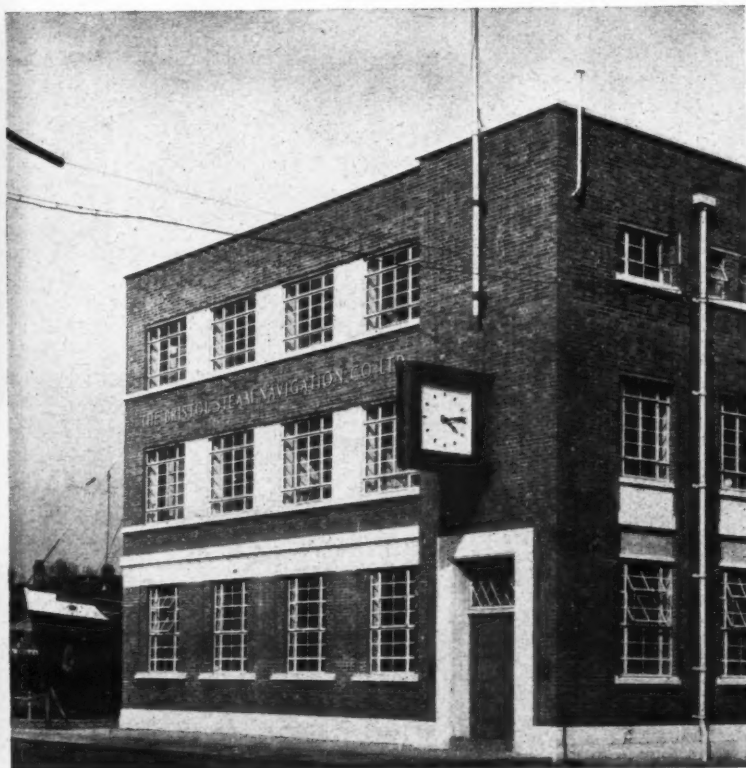
Ground floor plan

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

- Key
1. Hall
 2. Stage
 3. Gymnasium
 4. Vestibule
 5. Female cloaks
 6. Male cloaks
 7. Enquiries
 8. Changing room
 9. Retiring room
 10. Yard

This building, still in the project stage, will serve as a club. Accommodation includes skittles and billiards rooms as well as a workshop in the basement. Warden's and caretaker's flats are on the two top floors.

Offices for Bristol Steam Navigation Co. at Bathurst Wharf.



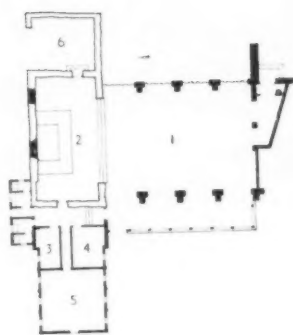
OFFICES

at BATHURST WHARF, BRISTOL
designed by E. H. BUTTON

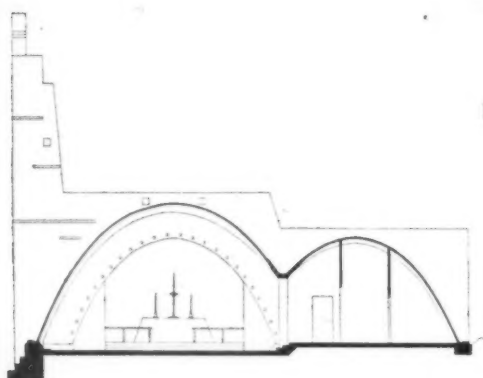
Accommodation required was for a general office and individual directors' and staff rooms. Site: 53 ft. by 40 ft. with public sewer running diagonally at 23 ft. depth. Soil: maximum load of 8 cwt. per sq. ft. Piles: cast *in situ*. General construction: steel frame. Walls: local rustic brick, pre-cast stone dressing. Floors: pre-cast reinforced concrete. Floor coverings: hardwood blocks to offices, terrazzo to stairs. Heating: low pressure hot water radiators. Boiler: gas fired. Cost: £23,000 including piling and foundations.

CHURCHES

at NOVERS HILL and LAWRENCE
WESTON, BRISTOL
designed by BURROUGH and HANNAM



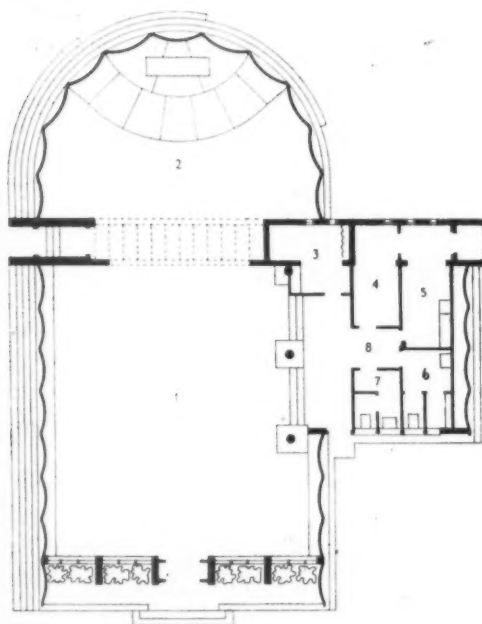
Plan [Scale: 1/8"=1'0"]



Section

Key

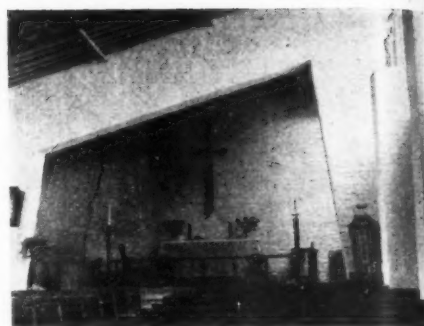
1. Nave
2. Chancel
3. Vestry
4. Choir vestry
5. Club room
6. Future Chapel



Key

1. Nave
2. Chancel
3. Clergy vestry
4. Choir vestry
5. Kitchen
6. Men's lavatory
7. Women's lavatory
8. Lobby

Plan [Scale: 1/8"=1'0"]

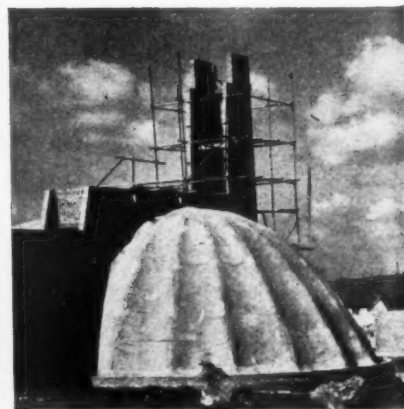


Interior of the Novers Hill Church.

The Novers Hill Church serves as a community hall on weekdays. Piers: rubble from demolished buildings previously on the site. Walls, north aisle: parts of MOW huts, hollow concrete blocks, rough-cast externally. Roof: steel deck. Colours: chancel, gold; nave, white; aisle, pale red; west wall, dark red; roof, olive green; ribs, gold; steel purlins, white; roof trusses, blood red; furniture, tomato red and black, picked out in silver. Cost: £6,000.

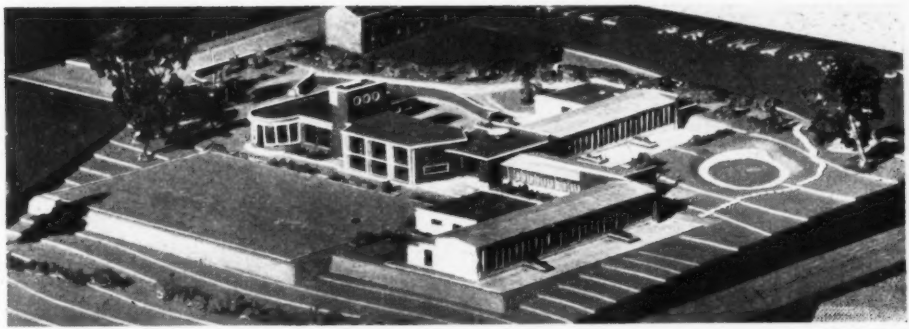
The church at Lawrence Weston, which is now nearly completed, is also to be used as a community hall on week-days. Construction main body: thin parabolic reinforced concrete shell. Break between chancel and nave: two 9-in. brick walls, 5 ft. apart; this is glazed and will contain a roll-up curtain to divide the church when it is used as a community hall. Colours: chancel, white; nave, pale rust red; other walls, lemon yellow. Cost: £6,000.

The church at Lawrence Weston.

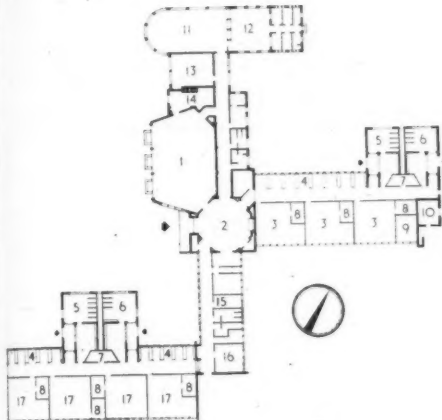


SCHOOL

at BROOMHILL
designed by BURROUGH and HANNAM



Model of Broomhill School.



Key

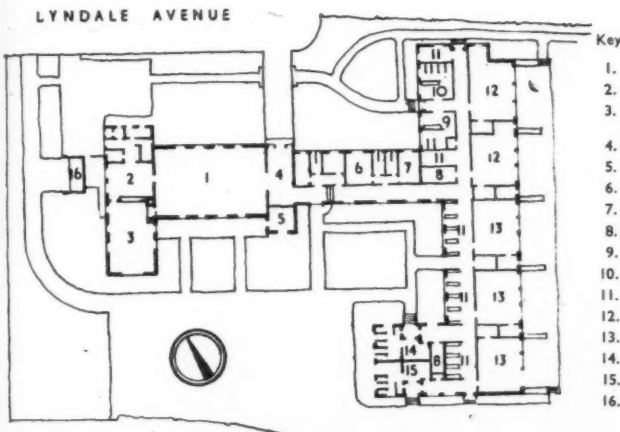
1. Assembly
2. Entrance hall
3. Infants' classroom
4. Cloakroom
5. Girls' lavatories
6. Boys' lavatories
7. Drying room
8. Store
9. Infants' garden store
10. Gardener's store
11. Dining hall
12. Kitchen
13. General purpose room
14. Gymnasium store
15. Administration
16. Staff common room
17. Juniors' classroom

Plan [Scale: $\frac{3}{8}$ " = 1'0"]

This primary school, to accommodate 280 pupils, is in the course of construction. The classrooms are of prefabricated aluminium construction. The entrance, assembly and dining halls are of traditional construction. Walls: outer skin of facing brick, inner skin of foam slag. Assembly hall floor: wood block. Classroom floors: 4-in. concrete slab, 3-in. screed, mastic tiles. Roof: precast concrete beam. Window framing: aluminium. Heating: floor coils, radiators.

SCHOOL

at STOKES BISHOP
designed by K. NEALON



Key

1. Assembly hall
2. Kitchen
3. Dining room and spare teaching room
4. Entrance hall
5. Games store
6. Head teacher
7. Staff room
8. Drying room
9. Infant boys' lav.
10. Infant girls' lav.
11. Cloakroom
12. Infants' classroom
13. Juniors' classroom
14. Junior girls' lav.
15. Junior boys' lav.
16. Cycle room

This primary school, now in the course of construction, will accommodate 200 pupils. The site is $3\frac{1}{2}$ acres and slopes at a gradient of 1:15. Walls: load bearing brick. Roof: pre-stressed concrete beams. Window walls: metal casements to 7-ft. height, glass blocks to ceiling. Classroom heating: floor coils. Cost: £170 per place, 3s. 1½d. per cu. ft.

Plan [Scale: 1:1,000]

Model of Stoke Bishop School.



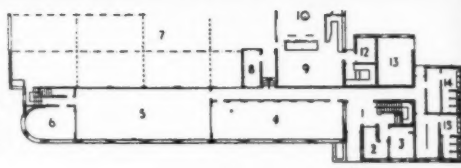


The factory for Beasley French & Co. Ltd. at Bedminster, from the north-east.

Key

1. Vestibule
2. Enquiry office
3. Writing room
4. General office
5. Drawing office
6. Chief draughtsman
7. Workshop

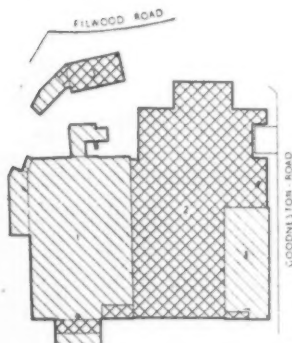
8. Switch room
9. Kitchen
10. Works canteen
11. Food store
12. Vegetable store
13. Sub-station
14. Female staff lav.
15. Male staff lav.



Ground floor plan [Scale: 1/4" = 1'0"]

FACTORIES

at BEDMINSTER AND FISHPONDS, BRISTOL
designed by A. E. POWELL



Key

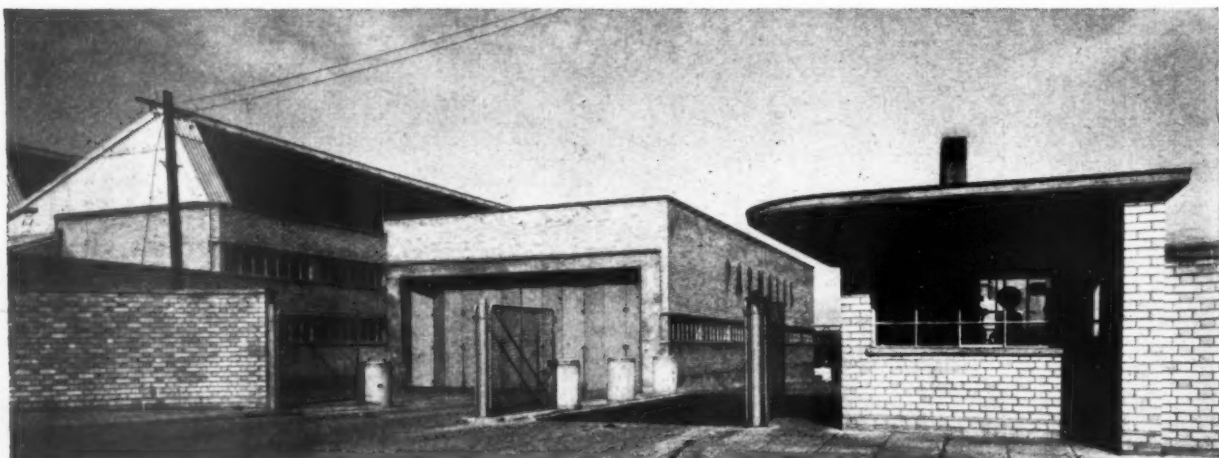
1. Existing factory buildings
2. New factory
3. Boilerhouse

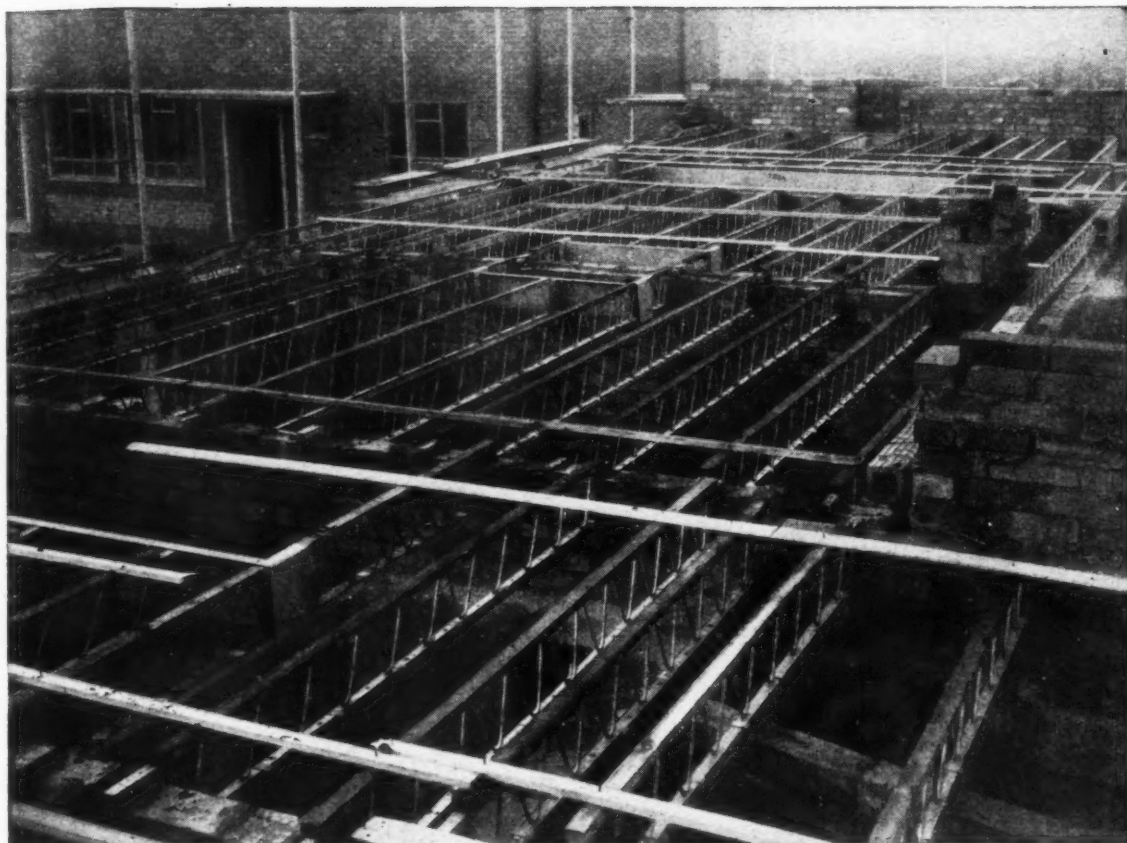
Site plan

The factory for Messrs. Beasley French is used for the manufacture of special high-speed wrapping machinery. The offices are on two floors. Owing to the slope of the site the entrance for works personnel, the goods intake and dispatch departments, the boiler house and fuel store had to be grouped separately. Office floor area : 7,000 sq. ft. Factory floor area : 26,750 sq. ft.

The extensions to the factory for Messrs. Parnall & Sons provide accommodation for the manufacture of refrigeration plant, display fittings, etc., and include dispatch bay with office accommodation, boiler house and stack, and gatehouse. General construction for both factories : steel frame. Walls : brick. Roof : north light, lattice girder, asbestos sheeting, wallboard lining.

The factory for Parnall & Sons Ltd. at Fishponds from Goodneston Road.





Presweld construction in War Memorial village at Derby

Honorary Architect : Thos. W. East, F.R.I.B.A

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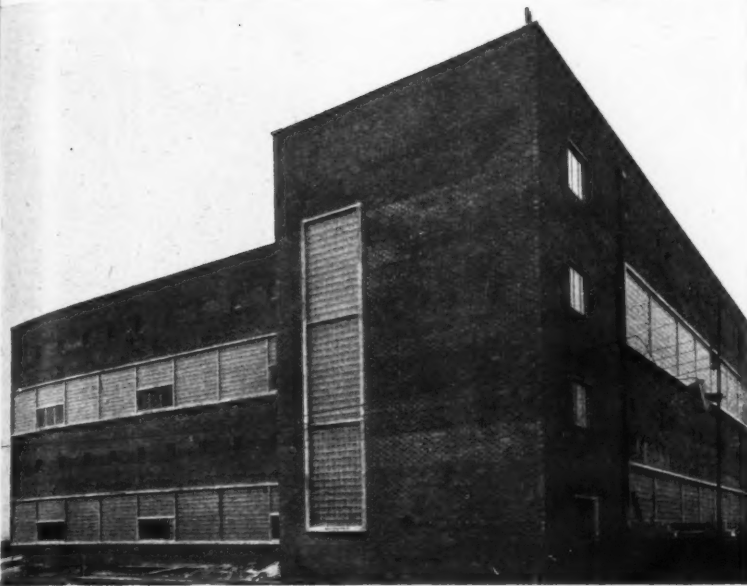


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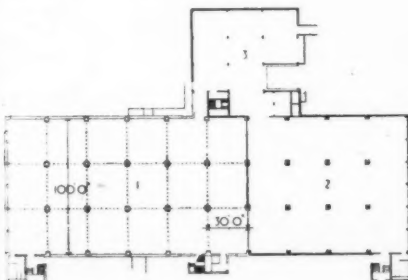
The completed section.

FACTORY

at BEDMINSTER, BRISTOL
designed by E. F. PEAT

The factory for Messrs. E. S. & A. Robinson, at Bedminster, is to be used for the conversion of cellophane from a colourless plastic film, through printing, cutting and machining processes, to a variety of packages and wrappings. The ultimate scheme is to be a building of five production floors with their service spaces over; each production floor is to be 300 ft. long by 100 ft. deep by 13 ft. 3 in. high, and the service space over is to be 8 ft. 1 in. high.

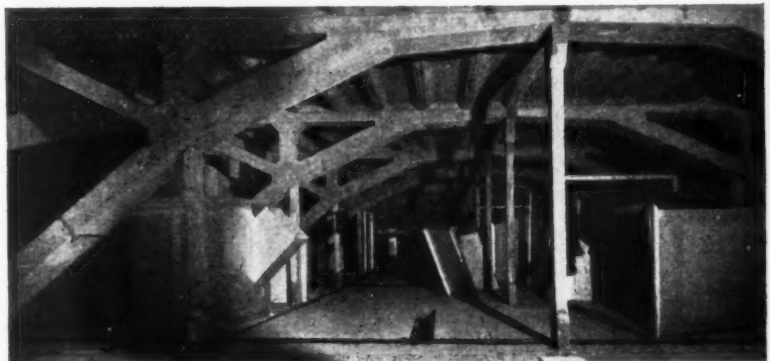
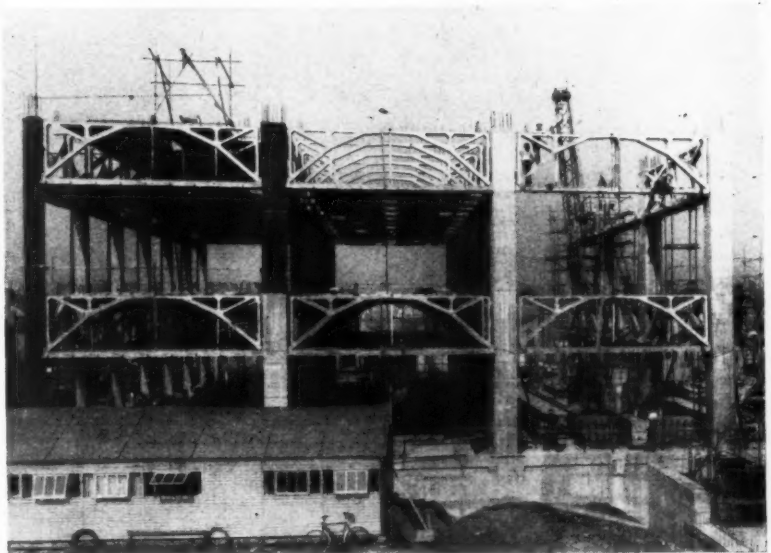
- Key
1. New extension
 2. Existing production area
 3. Existing annexe building

Plan [Scale $\frac{1}{2}$ " = 1'0"]

The service space over each production area accommodates all the trunking for the air conditioning services, all lighting equipment, hot and cold water, steam and solvents and every service which is required within the particular floor it serves.

With the exception of the columns and floor toppings, the whole of the building is of pre-cast concrete. The spacing of the columns is on a grid of 30 ft. by 33 ft. 4 in. Spanning between them are reinforced concrete 3-pin arches with the pre-stressed main and secondary beams acting as bottom ties. The top of the arches provide a seating for the precast units which form the permanent shuttering for the *in situ* floors over, and the bottom ties provide accommodation for the precast beams and thin slabs for use in the service floor, which could be removed for machinery installation and maintenance of services.

Below, the factory in course of construction. Bottom, a service floor.

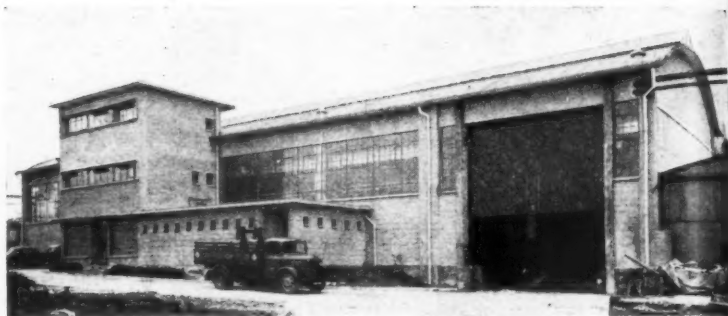


FACTORY AND CANTEEN

at KNOWLE, BRISTOL

designed by W. H. WATKINS

This factory for Messrs. John Hall & Sons, was designed for the manufacture of paint, glass factors and processors. A three-storey office block is included. The canteen is on a different part of the site. General construction: reinforced concrete. Walls: concrete block. Floors: granolithic. Roof: barrel vault, 7-in. thick, at spring, 3-in. thick at crown, 40-ft. span.

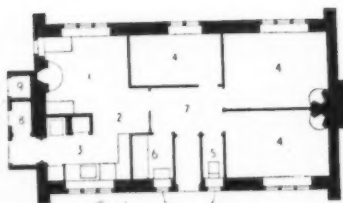


The factory and canteen for Messrs. John Hall & Sons at Broadmead.

COTTAGE

at OLD SODBURY,
GLOUCESTERSHIRE

converted by
MCDONALD AND BROWN



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

This cottage was converted from a cart shed. Walls: stonework to match existing walls. Internal partitions: breeze. Internal wall finish: lime putty and sand. Window cills: composition. Frames and mullions: metal.

- Key
1. Living room
 2. Meals
 3. Kitchen
 4. Bedroom
 5. W.C.
 6. Bathroom and lav.
 7. Hall
 8. Fuel
 9. Store



Cottage at Old Sodbury.

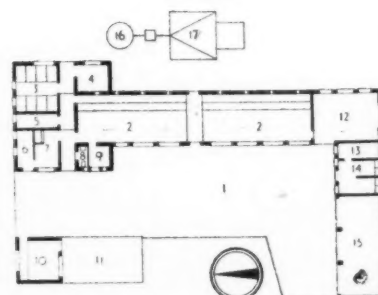
FARM

at HINTON CHARTERHOUSE, SOMERSET
designed by MCDONALD AND BROWN

Farm at Hinton Charterhouse.

Buildings include a cow house, granary, stable, implement shed and dairy block. These replace dilapidated structures. Walls: 12-in. stone facing, 4-in. concrete block backing. Roof: steel truss, asbestos sheeting.

- Key
1. Stockyard
 2. Cow-house
 3. Calf pens
 4. Calving room
 5. Store room
 6. Dairy
 7. Sterilising room
 8. W.C.
 9. Motor room
 10. Bull house
 11. Bull pen
 12. Granary
 13. Harness room
 14. Stables.



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

ULTRALUX

Glass: 6" dia.
Depth: 7½"
Lamp:
60 watt B.C.

Gallery: 9" dia.
Depth: 4½"
Lamp:
60 watt B.C.

Gallery: 5½" dia.
Depth: 7"
Lamp:
60 watt B.C.

Gallery: 3½" dia.
Depth: 7½"
Lamp:
60 watt B.C.

Glass: 8" dia.
Lamp:
60 watt B.C.

Glass: 10" dia.
Lamp:
100 watt B.C.

Glass: 12" dia.
Lamp:
150 watt B.C.

Glass: 14" dia.
Lamp:
200 watt E.S.

Glass: 16" dia.
Depth: 9½"
Lamp: 150 watt
B.C. (with or
without
suspension).

Gallery: 3½" dia.
Depth: 5½" includ-
ing lamp.
Lamp: 60 watt B.C.

Glass: 6" dia.
Depth: 6½"
Lamp:
60 watt B.C.

Glass: 8" dia.
Depth: 8½"
Lamp:
100 watt B.C.

Glass: 10" dia.
Depth: 11"
Lamp:
150 watt B.C.

Height: 9½"
Projection: 7½"
Lamp:
60 watt B.C.

Glass: 6" dia.
Height: 9"
Projection: 8"
Lamp:
60 watt B.C.

Glass: 8" dia.
Height: 11"
Projection: 9"
Lamp:
100 watt B.C.

Glass: 3½" dia.
Height: 9½"
Projection: 7"
Lamp:
60 watt B.C.

Glass: 6" dia.
Height: 8½"
Projection: 7"
Lamp:
60 watt B.C.

Glass: 3½" dia.
Height: 9"
Projection: 5½"
Lamp:
60 watt B.C.

Glass: 6" dia.
Height: 9"
Projection: 6½"
Lamp:
60 watt B.C.

Height: 6½" in-
cluding lamp.
Width: 3"
Projection: 3"
Lamp:
60 watt B.C.

Glass: 11" dia.
Depth: 5"
Lamp:
60 watt B.C.

Glass: 14½" dia.
Depth: 6"
Lamp:
100 watt B.C.

Length: 8½"
Width: 4½"
Depth: 4"
Lamp:
60 watt B.C.

Length: 27"
Other details
as for U.100
Lamps: Three
60 watt B.C.

Glass: 10" dia.
Reflector: 20" dia.
Lamp: 100 watt
B.C.

U12R
Glass: 8" dia.
Reflector: 20" dia.
Lamp: 60 watt
B.C.

U14R
Glass: 12" dia.
Reflector: 20" dia.
Lamp: 150 watt
B.C.

ULTRALUX

'G'

Glass: 16" dia.
Depth: 5½"
Lamps: Two 100
watt B.C.

Glass: 14" dia.
Depth: 5"
Lamps: Two 75
watt B.C.

Glass: 12" dia.
Depth: 4½"
Lamps: Two 60
watt B.C.

Glass: 10" dia.
Depth: 4½"
Lamp: 60 watt
B.C.

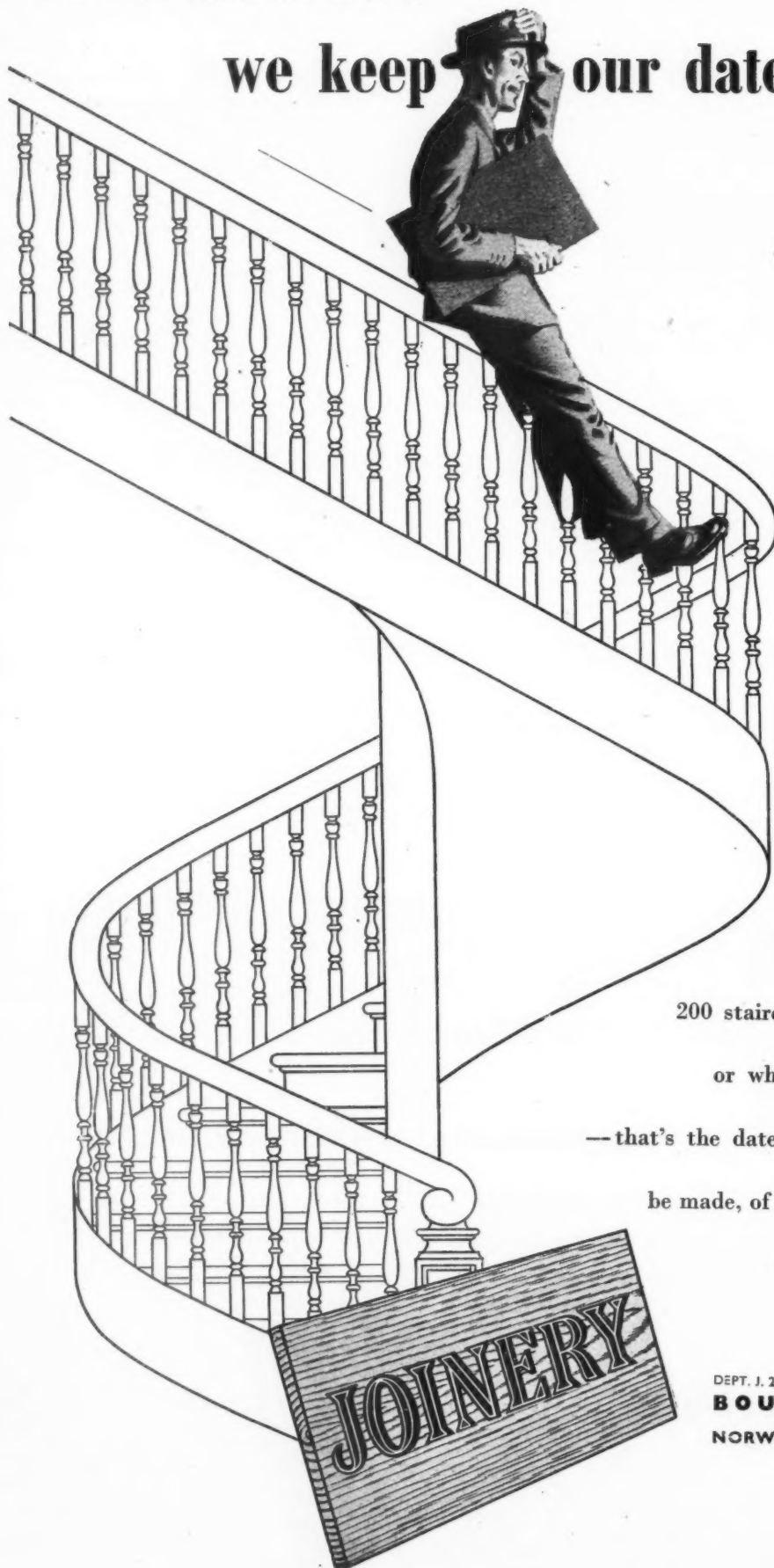
Glass: 8½" dia.
Depth: 4½"
Lamp: 40 watt
B.C.

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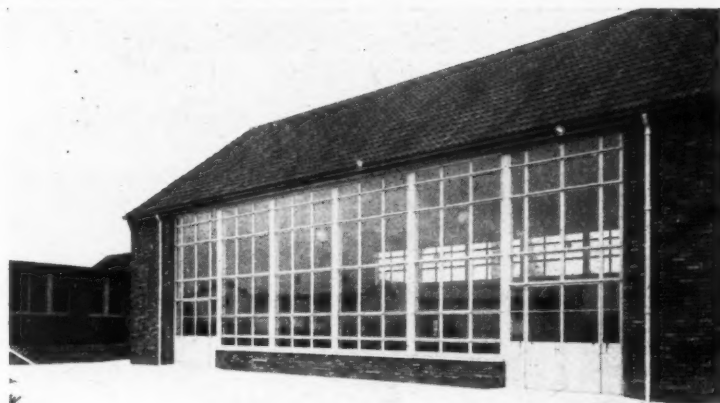
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SCHOOLS

at ASHTON VALE and NOVERS LANE
designed by the CITY ARCHITECT'S DEPARTMENT

The Novers Lane school is designed to accommodate 480 pupils. The buildings are single storey and classroom blocks are in groups of four or two to suit the site. Classrooms: precast concrete frame. Walls: 12-in. cavity brick. Internal walls: 4½-in. brick. Floors: concrete. Roof: precast beam, felt covering. General construction: steel frame, bolted trusses. Walls: 12-in. cavity brick infilling. Roof: tile. Windows: precast surrounds. Gutters: pressed steel. Down pipes: aluminium.

The Ashton Vale school is designed to accommodate 200 pupils. Classrooms and playrooms face south. General construction: steel stanchions, tie beams and roof trusses. Walls: brick. Floors: concrete, composition blocks and granolithic. Roofs, flat: mineral covered felt. Roofs, pitched: sand faced double Roman tiles. Window frames: aluminium.



Above: top, Novers Lane School; below, Ashton Vale School.

HOUSES

at LAWRENCE WESTON ESTATE, BRISTOL
designed by the CITY ARCHITECT'S DEPARTMENT

The site of this estate lies to the north-west of the city and is an area embodying the villages of Kings-weston and Lawrence Weston. The whole site is approximately ½ mile wide and 2½ miles long, stretching from Shirehampton at the south-west end to a point approximately ¼ mile from the village of Henbury at the north-east end. The site was planned as a complete neighbourhood unit, accommodating approximately 2,000 dwellings, and has

been developed in three sections. The first section in addition to the dwellings, contains a subsidiary shopping centre of 6 units with maisonettes, also nursery, junior and infants' schools and a church site. The second section, being the central part of the site, contains the main shopping centre, community and health centres, library, cinema, etc., in addition to sites for secondary, infants' and nursery schools. The third section embodies the village of Lawrence Weston and the existing buildings have, as far as possible, been retained. Like the first section, this portion of the site contains a subsidiary shopping centre, church, school sites and aged persons' dwellings, etc.



Houses on the estate
at Lawrence Weston.



Lawrence Weston estate.



Three and four bedroom houses with south aspect.



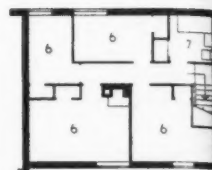
Traditional semi-detached 3 bedroom houses with north and south aspect.

HOUSES

at LAWRENCE WESTON ESTATE, BRISTOL
designed by THE CITY ARCHITECT'S DEPARTMENT.

Various types of non-traditional and traditional dwellings have been sited at Lawrence Weston. The dwellings are in semi-detached pairs and terraces and consist of one-, two-, three- and four-bed-

room units. All the one- and two-bedroom dwellings are accommodated in blocks of flats, the majority being two-storey units. In addition, blocks of three-storey flats have been sited at suitable points.



First floor plan.



Ground floor plan of four bedroom house.

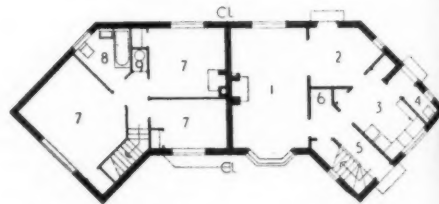
[Scale: $\frac{1}{4}$ " = 1'0"]

Key

1. Living room
2. Dining space
3. Kitchen
4. W.C.
5. Hall
6. Bedroom
7. Bath and W.C.

Key

1. Living room
2. Dining recess
3. Kitchen
4. W.C.
5. Hall
6. Pram-space
7. Bedroom
8. Bathroom
9. Linen

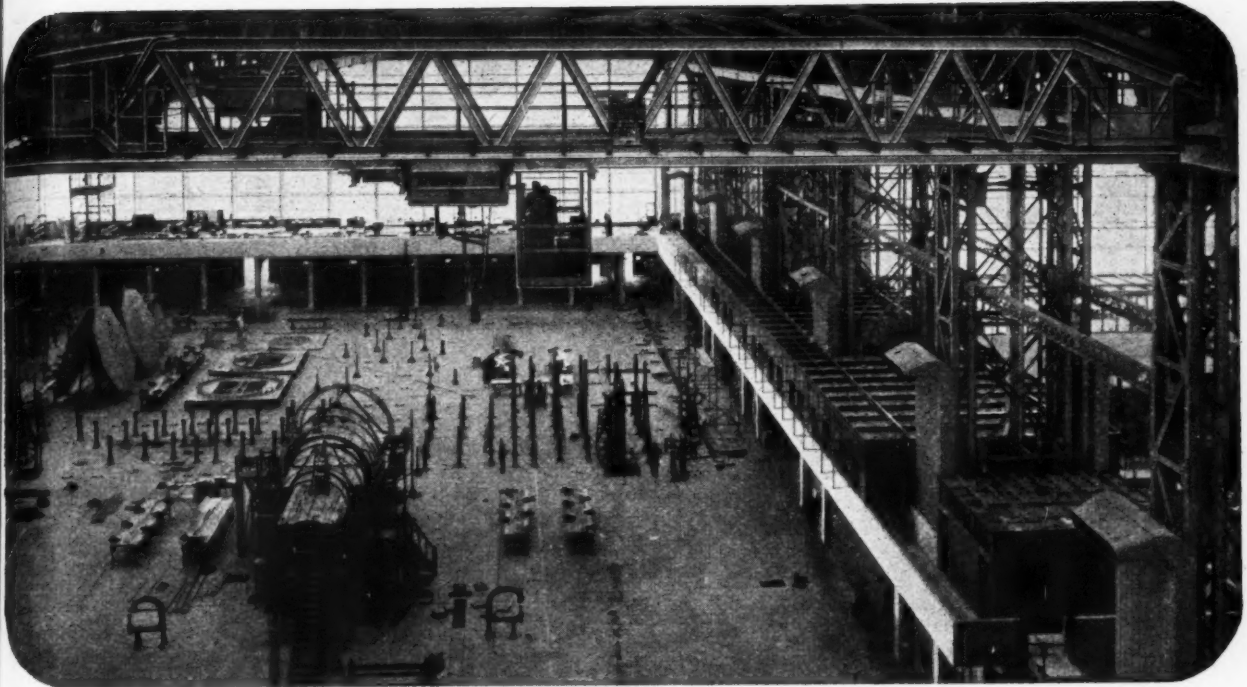


First and ground floor plan of traditional three-bedroom house.

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

Houses on Lawrence Weston estate.





The Assembly Hall at Filton for the construction of BRABAZON Aircraft is equipped with KING Overhead Electric Travelling Cranes. The installation comprises 4 latching type cranes, each of 77 ft. 9 in. span and of 12 tons capacity.

Architect: Mr. Eric Ross, F.R.I.B.A.

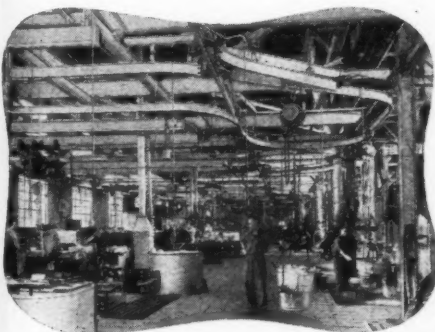
Consulting Engineers: Brian Colquhoun & Partners

KING OVERHEAD ELECTRIC TRAVELLING CRANES

INSTALLED TO BUILD THE GIANT BRABAZON



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A small section of KING Overhead Runway in the Foundry of the Northern Aluminium Company at Banbury. This type of runway can be completely electrified to operate all types of travelling hoists.

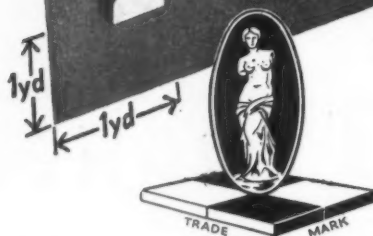
Renowned for their excellent design and sturdy construction giving maximum reliability for continuous heavy duty, KING Cranes are used in the Assembly Hall at Filton. KING are specialists in mechanical handling and KING equipment is used in many factories throughout the world. A competent advisory department will gladly offer suggestions, without obligation, on any problem of mechanical handling.

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Below, the turbine test house. Bottom, the lofting department.



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AIRCRAFT ASSEMBLY HALL

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The south front of the assembly hall.

Buildings Illustrated

Flats, Colston Fort. (Pages 683-684.) Architects: Scott & Redwood, A.C.S.M., A.I.S.T.R.U.E./A.R.I.B.A. Quantity Surveyor: R. E. Moughton. General Contractors: William Cowlin & Son Ltd. Sub-contractors: Floors, Trussed Concrete Steel Co. Ltd.; facing bricks, Cattybrook Brick Co.; reconstructed stone, Bristol Stone & Concrete Co. Ltd.; copper roof, Broderick Insulated Structures Ltd.; aluminium windows, Williams & Williams Ltd.; plumbing, water and gas services, G. N. Haden & Sons Ltd.; electrical work, A. E. Finch & Co.; door furniture, Parker, Winder & Achurch Ltd.; sanitary fittings, Shanks & Co.; water heaters, Ascot Gas Water Heaters Ltd.; fireplaces, Rowe Bros. & Co. Ltd. balcony and boundary railings, F. H. Dunn Ltd.; kitchen fittings, Jennings (Bristol) Ltd.; asbestos soffit, Universal Asbestos Co. Ltd.; paint, Hadfields (Merton) Ltd.; specialist electric fittings, Troughton & Young Ltd.; gas cookers, Cannon Iron Foundries; wash boilers, Radiation Ltd.; chandeliers, King & Co. *Departments of Physiology and Pharmacology, University of Bristol.* (Page 684.) Architects: Oatley and Brentnall, F./A.R.I.B.A. General Contractors: Henry Willcock & Co. Ltd. Sub-contractors: Constructional steelwork, John Lysaght's Bristol Works Ltd.; Bison floors, Concrete Ltd.; cork floors, Armstrong Cork Co. Ltd.; asbestos cladding, W. R. Davey & Sons Ltd.; dark blinds, Green & Son; hot water and heating, G. N. Haden & Sons Ltd.; steel windows, F. & R. Edbrooke Ltd.; ceilings, C. F. Anderson & Son Ltd.; patent glazing, Mellowes & Co. Ltd.; plumbing and gas, Arthur Scull & Son Ltd.; electrical work, W. T. Porter & Co.; asphaltting work, The Western Trinidad Lake Asphalt Co. *Veterinary School, University of Bristol.* (Page 684.) Architects: Oatley and Brentnall, F./A.R.I.B.A. General Con-

tractors: William Cowlin & Son Ltd. Sub-contractors: Plumbing, Arthur Scull & Son Ltd.; electrical installation, W. T. Porter & Co.; structural steelwork, John Lysaght's Bristol Works Ltd.; asphalt and tarmacadam, Asphalt Specialists Ltd.; metal windows and railings, F. & R. Edbrooke Ltd.; "Bison" flooring, Concrete Ltd.; terrazzo shelving, Marble Mosaic Co. Ltd.; heating and ventilating, G. N. Haden & Sons Ltd.; roof glazing, Mellowes & Co. Ltd.; refrigeration plant, J. & E. Hall Ltd.; asbestos cement roofing, W. R. Davey & Sons; insulation work, Anderson Construction Co.; blinds, Green & Son; overhead runway, Herbert Morris Ltd.; cork and accotile flooring, Armstrong Cork Co. Ltd.; wall and floor tiling, S. Wren; glazing, W. Goldman & Son; plastering works, Plasterers (Liverpool & Chester) Ltd.; stone carving, H. H. Martyn & Co. Ltd.

Offices for the Bristol Steam Navigation Co. Ltd., Bathurst Wharf, Bristol. (Page 685.) Architect: Eustace Button, F.R.I.B.A., R.W.A. Main Contractors: C. A. Hayes & Sons Ltd. Sub-contractors: Foundations, Piling and Construction Co. Ltd.; steelwork, Gardiner, Sons & Co. Ltd.; floors, "Bison" precast beams, Concrete Ltd.; windows, steel casements, Rowe Bros. & Co. Ltd.; plumbing, Arthur Scull & Son Ltd.; heating, G. N. Haden & Sons Ltd.; stonework, Bristol Stone & Concrete Co.; woodblock floors, Stevens & Adams Ltd.; terrazzo flooring, Marble Mosaic Co.; electrical work, Colston Electrical Co.; doors, Gliksten Doors Ltd.; internal telephones, Reliance Telephone Co. Ltd.; decorative floor finish, Korkoid Decorative Floors, plastering, W. A. Telling & Co.; sanitary fittings, Rowe Bros. & Co. Ltd.; asphalt roofs, Asphalt Specialists Ltd.; hollow block partitions, J. H. Sankey & Son Ltd.; lantern lights, Crittall Manufacturing Co. Ltd.; ironmongery, Metal Agencies Ltd.

Church, Novers Hill, Bristol. (Page 686.) Architects: Burrough & Hannam, F./A.R.I.B.A. Contractors: Hayward & Wooster Ltd. Sub-contractors: Steel roof deck, Ruberoid Co. Ltd.; concrete surrounds and cills, Bristol

Stone & Concrete Co. Ltd.; expanded roof trusses, Gardiner Sons & Co. Ltd.; windows, Williams & Williams Ltd.; flooring, Ragusa Asphalt Paving Co. Ltd.; electrical installation, Blackmore & Nation; heating, S.W. Gas Board.

County Primary School, Broomhill. (Page 687.) Architects: Burrough & Hannam, F./A.R.I.B.A. General Contractors: W. Rogers & Sons Ltd. Sub-contractors: Aluminium prefabricated sections, British Aluminium Co. Ltd.; heating and hot water supply, Z. D. Berry & Sons; concrete roof beams, Concrete Ltd.; aluminium windows, Williams & Williams Ltd.; precast concrete work, Bristol Stone & Concrete Co. Ltd.; general flooring, Horsley Smith & Co. Ltd.; wood block flooring, Stevens & Adams Ltd.; asphalt roofing, Asphalt Specialists Ltd.; electrical installation, Burchill & Morgan; lantern and dome lights, Gardiner Sons & Co. Ltd.; cloakroom fittings, James Gibbons Ltd.; w.c. compartments, Venesta Ltd.; warerite paneling, Warerite Ltd.; sanitary fittings, Rowe Bros. & Co. Ltd.; fencing, Bayliss, Jones & Bayliss Ltd.; erected by Benson Bros.

Primary School, Stoke Bishop. (Page 687.) Architect: Kenneth Nealon, A.R.I.B.A., A.R.I.C.S. General Contractors: Wilkins & Coventry Ltd., Bristol. Sub-contractors: Precast concrete beam roof slabs, Concrete Ltd.; precast terrazzo faced P.C. partitions, terrazzo paving, The Marble Mosaic Co. Ltd.; asphalt covering to roofs and vertical d.p.c., tarmacadam paving, Asphalt Specialists Ltd.; accotile paving, Prodorite Ltd.; patent block flooring, Terradura Flooring Co. Ltd.; insulation board to ceilings, flush doors, Bryce White & Co. Ltd.; hardwood block flooring, Stevens & Adams Ltd.; w.c. doors (plymax), Venesta Ltd.; cloakroom fittings, drying room fittings, sanitary fittings, cycle rack, W. Butcher & Co. (Bristol) Ltd.; metal windows, metal lantern lights, Crittall Manufacturing Co. Ltd.; heating and hot water installation, G. N. Haden & Sons Ltd.; electrical installation, W. T. Porter & Co.; extract fan and trunking, Bristol Fan Co. Ltd.; decorative finish to dadoes, Modern Surfaces Ltd.

Factory for Beasley, French & Co. Ltd., Bristol. (Page 688.) Architect: Adrian E. Powell, A.R.I.B.A., A.I.S.T.R.U.C.T.E. Quantity Surveyor: Leonard H. Dark. General Contractors: Stone & Co. (Bristol) Ltd. Sub-contractors: Structural steelwork and metal windows, Gardiner Sons & Co. Ltd.; hollow tile floors and roofs, The Kleine Co. Ltd.; patent glazing, The Standard Patent Glazing Co. Ltd.; asbestos cement roofing, W. R. Davey & Sons; wallboard insulation to roofs, The Tentest Fibre Board Co. Ltd.; heating and hot water installation, S. Boxell & Co. Ltd.; electrical installations, Stone & Co. (Bristol) Ltd.; reinforcement to stairs, etc., The Square Grip Reinforcement Co. (Bristol) Ltd.; facing bricks, The Uxbridge Flint Brick Co. Ltd.; asphalt flooring and roofing, The Asphalt Specialists Ltd.; granolithic pavings, Plastona Ltd.; terrazzo pavings, The Standard Pavements Co. Ltd.; metal stairs balustrade, James Gibbons Ltd.; hand lift, Pickering's Ltd.; sanitary fittings, W. Butcher & Co. (Bristol) Ltd.; boundary fencing, H. L. Goodman & Sons (Bristol) Ltd.

Factory for Parnall & Sons Ltd., Fishponds, Bristol. (Page 688.) Architect: Adrian E. Powell, A.R.I.B.A., A.I.S.T.R.U.C.T.E. General Contractors: C. A. Hayes & Sons Ltd. Sub-contractors: Structural steelwork, Gardiner Sons & Co. Ltd.; steel reinforcement, The Square Grip Reinforcement Co. (Bristol) Ltd.; heating and hot water installations to extensions, S. Boxell & Co. Ltd.; new boilers and heating installation to existing premises, G. N. Haden & Sons Ltd. (boilers by Jos. Adamson & Co. Ltd.); electrical installation, W. T. Porter & Co.; common bricks, The Bristol Brick Co. Ltd.; facing bricks, The Uxbridge Flint Brick Co. Ltd.; patent glazing, The Standard Patent Glazing Co. Ltd.; asbestos cement roofing, W. R. Davey & Sons; wallboard insulation to roofs, The Tentest Fibre Board Co. Ltd.; metal windows, James Gibbons Ltd.; lifts, Pickering's Ltd.; asphalt roofing and tanking, Asphalt Specialists Ltd.; granolithic pavings, Plastona Ltd.; sanitary fittings, W. Butcher & Co.

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Factory for Messrs. Colodense Ltd., Malago, Bristol. (Page 689.) Architect: E. F. Peat, A.R.I.B.A. Assistant Architect: J. E. Collins, A.M.I.S.T.R.U.C.T.E. Consulting Engineer: F. J. Samuely. Quantity Surveyor: E. I. Wright. General Contractors: Holland & Hannen & Cubitts Ltd. Sub-contractors: Special floors and coal bunker linings, Prodorite; timber floors, Stevens & Adams; tiling, S. Wren (Bristol); fire escape stairs, S. W. Farmers Ltd.; internal metal staircases, Gardiner Sons & Co. Ltd. (Bristol); asphalt roofs, Asphalt Specialists Ltd.; boilers, Davy Paxman & Co. Ltd.; electrical work, E. S. & A. Robinson; scaffolding, S.G.B.; heating and ventilating, Carrier-Ross Ltd.; plastering, A. V. Telling; ceilings, Celotex, Bryce-White; plumbing, Richardson & Gough (Bristol); terrazzo and grano, Bristol Art Floors.

Factory for Messrs. John Hall & Sons (Bristol and London) Ltd., Hengrove, Bristol, 4. (Page 690.) Architect: W. H. Watkins, F.R.I.B.A. General Contractors: Wilkins and Coventry Ltd. Sub-contractors: Reinforced concrete construction, shell roof, Christiani & Nielson Ltd.; heating, plumbing and air conditioning, G. N. Haden & Sons Ltd.; electrical work, W. T. Porter & Co.; plastering, joinery, interior finish, Hayward & Wooster; runways for crane (travelling), metal windows, rolling shutters, Gardiner Sons & Co. Ltd.; office and display floors, skirting, Marbolith Flooring Co. Ltd.; glazing, John Hall & Sons Ltd.; travelling cranes, Heywood & Co.; gas services, Bristol Gas Co.; roof covering, Perma-nite Ltd.

Canteen for Messrs. John Hall & Sons (Bristol and London) Ltd., Bristol. (Page 690.) Architect: W. H. Watkins, F.R.I.B.A.

General Contractor: Wilkins & Coventry Ltd. Sub-contractors: Glazing, John Hall & Sons Ltd.; heating, plumbing and ventilation, G. N. Haden & Sons; steel windows, hand and curtain rails, Gardiner Sons & Co. Ltd.; reinforced fabric in flat roofs, Square Grip Reinforcement Co. Ltd.; gas services, Bristol Gas Co.; flooring, Marble Mosaic Co. Ltd.; insulation board, Sundeala Board Co. Ltd.; air conditioning, Bristol Fan Co. Ltd.; electrical installations, W. T. Porter & Co.; kitchen equipment, Factory Canteens Ltd.; doors, Bryce White & Co.

Farm Buildings, Hinton Charterhouse, Somerset. (Page 690.) Architect: McDonald and Brown A.R.I.B.A./A.I.A.S. General Contractors: Arthur H. Rose and L. Thomas & Son Ltd. Sub-contractors: Milking equipment, Gascoignes (Reading) Ltd.; cow stall divisions and yokes, calf pens, Geo. W. King Ltd.; steelwork, Ralph Blatchford & Co. Ltd.; windows, Williams & Williams Ltd.; asbestos roofing, The Universal Asbestos Manufacturing Co. Ltd.; electrical installation, H. Harding. *Laboratory Extension, Turbine Test and Compressor House, Lofting Department, Filton, Bristol.* (Page 693.) Architect: Eric Ross, F.R.I.B.A. General Contractors: Laboratory extension, lofting department, William Cowlin & Son; turbine test house, Long of Bath. Sub-contractors: Electrical for lofting department and laboratory extension, Colston Electrical Co. Ltd.; electrical for turbine test house, Bristol Aeroplane Co. Ltd.'s electrical department; floors for laboratory extension, Concrete Ltd.

Acknowledgments

Acknowledgments for illustrations in this issue are due as follows:—*Post-War Architecture in the Bristol Area*, page 686; top, P. R. Beaghen; bottom left, *Bristol Evening Post*; bottom right, *Western Daily Press* and *Bristol Observer*.

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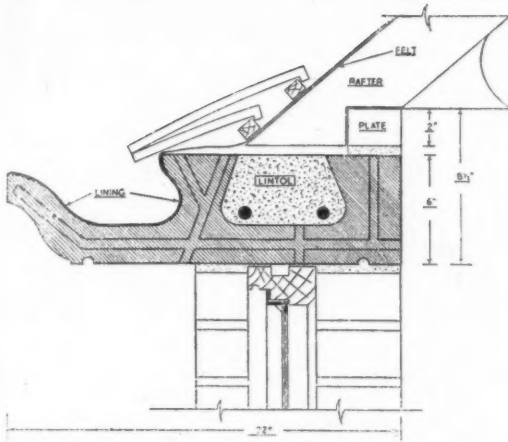
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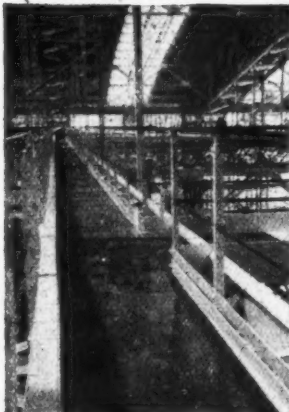
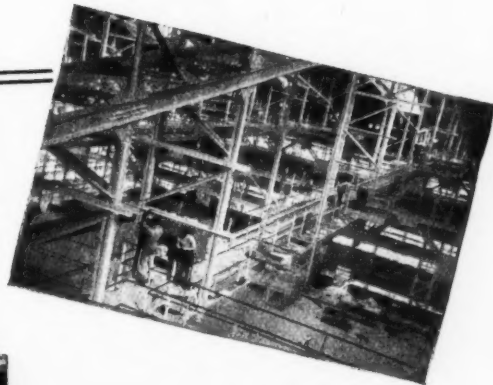
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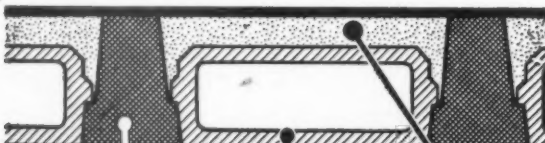


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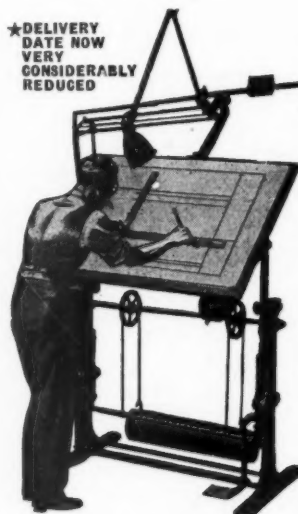
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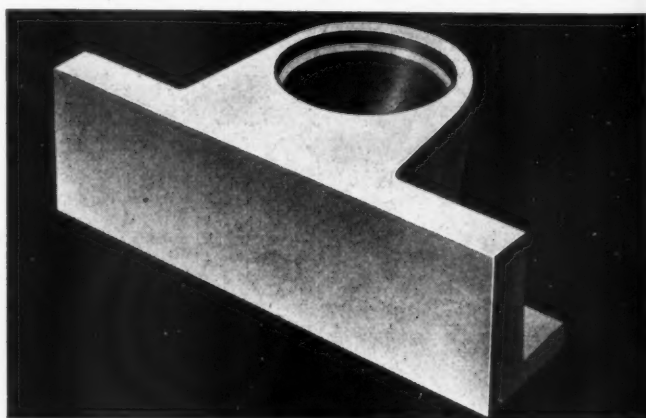


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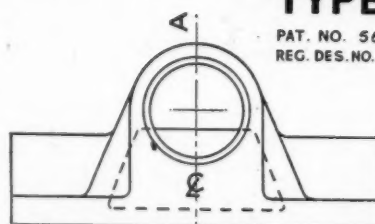
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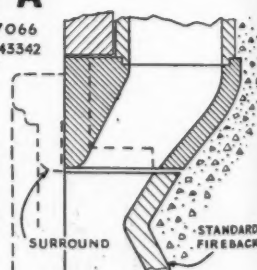


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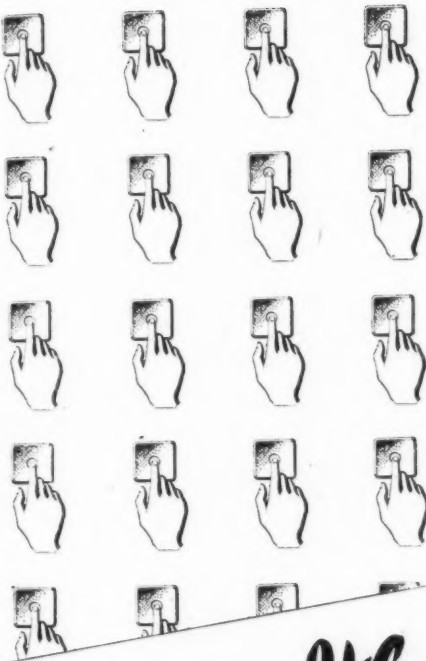
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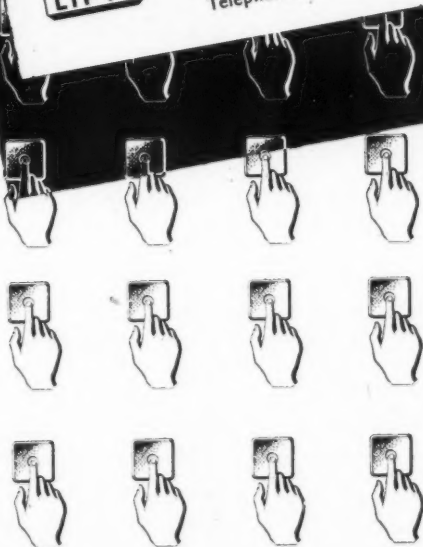
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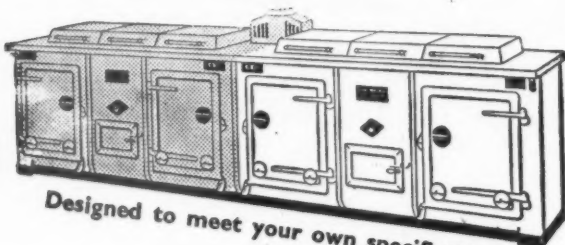


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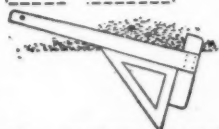


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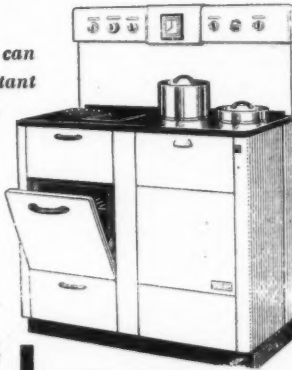
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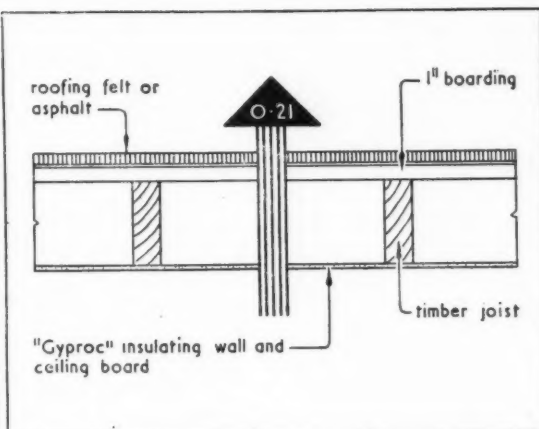
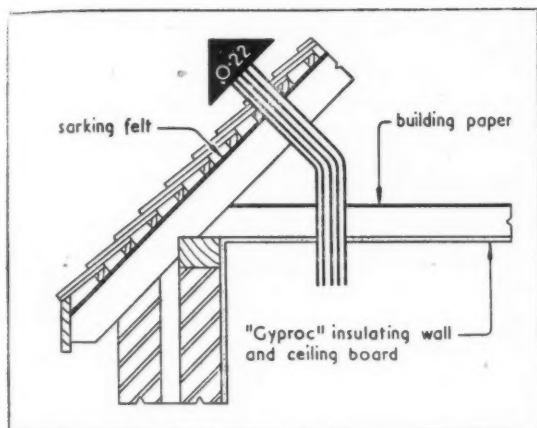
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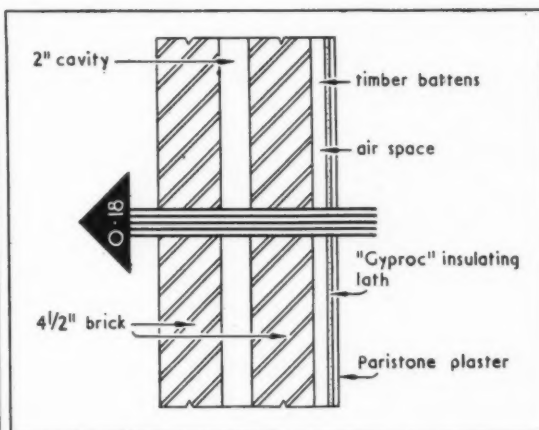
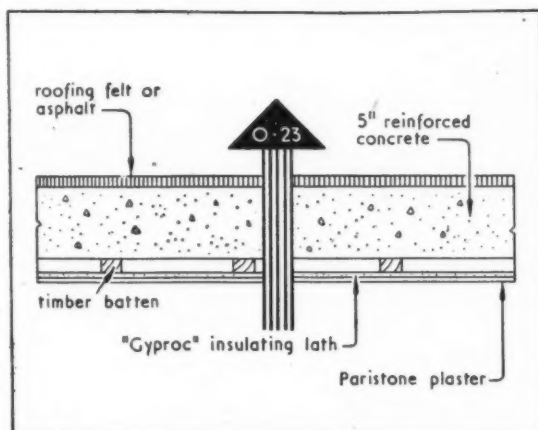
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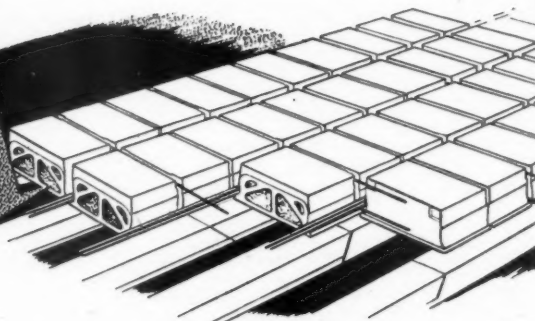
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CLASSIFIED ADVERTISEMENTS

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

Public and Official Announcement

25s. 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: EMPLOYMENT REGISTER, WARREN PARK, WHITEHALL, Tel.: Uplands 0935, 991

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

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

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required, and quote Ref. G.R.3). Canvassing disqualifies. (2269) 1046

MINISTRY OF WORKS.
 Vacancies exist for SENIOR and LEADING ARCHITECTURAL ASSISTANTS in London, at Risley (Warrington) and at Capenhurst (Cheshire), for drawing office duties in connection with important Research Establishments.

Candidates should be of British nationality and have had a recognised Architectural training and good experience.

There are also vacancies for first-class DRAUGHTSMEN in the Senior Architectural Assistant Grade.

Salary:—Senior Architectural Assistants: London, £625-£750 per annum; Risley and Capenhurst, £595-£720 per annum.

Salary:—Leading Architectural Assistants: London, £500-£625 per annum; Risley and Capenhurst, £470-£595 per annum.

Hostel accommodation, for men, at reasonable cost is available at Risley, and there is a possibility of housing being available in the near future at Capenhurst.

Apply in writing, stating locality desired, age, training and experience, to Chief Architect, W.G.10/A.N., Ministry of Works, Abell House, John Islip Street, London, S.W.1. 3801

NEWMARKET URBAN DISTRICT COUNCIL.
 TEMPORARY ARCHITECTURAL ASSISTANT.
 Applications are invited for the above appointment in the Architect's Department.

Salary Grade III, A.P.T. Division, £450, rising by annual increments of £15 to £495 per annum.

Preference will be given to candidates who have passed the R.I.B.A. Intermediate Examination and who have had experience of housing work. The Council are prepared to find the successful applicant, if married, housing accommodation in the district.

The appointment is subject to the National Joint Council Scheme of Conditions of Service. Applications, endorsed "Architectural Assistant," stating age, qualifications and experience, past and present appointments, accompanied by copies of two recent testimonials, must be submitted to the undersigned not later than Saturday, 10th June, 1950.

JOHN CRABB,
 Clerk of the Council.
 Severals House, Newmarket.
 16th May, 1950. 4338

KENT EDUCATION COMMITTEE.
 GRAVESSEND TECHNICAL COLLEGE
 DEPARTMENT OF BUILDING.

Applications are invited from suitably qualified men for the post of SENIOR ASSISTANT, in the Department of Building. The man appointed will be expected to take charge of, and to teach, Building Science for the ordinary National Certificate Building and Craft Science to the Full Technological Certificate standard of the City and Guilds in the various Building Crafts.

Ability to teach Building Construction and/or Builders' Quantities up to Higher National Certificate standard will be an advantage.

Candidates must have had good professional or industrial experience, previous teaching experience or teacher training is a necessity.
 Burnham Scale for Senior Assistants, that is, £700 to £800 p.a. by £25 increments, with graduate and training additions where applicable.

Applications, giving full details of training, experience, subjects taught, qualifications, etc., should be made, within 15 days of the appearance of this advertisement, to The Principal, Technical College, Gravesend, Kent. 4379

AUSTRALIA. AUSTRALIA. ARCHITECTS AND PLANNERS (PASSAGE PROVIDED) BRISBANE CITY COUNCIL (Queensland, Australia)

The Department of Works, Brisbane, invites applications from Architects and Planners in gradings and with salaries shown below:—

ARCHITECT, Grade I. £A625-£A718 per annum.

ARCHITECT, Grade II. £A728-£A773 per annum.

ARCHITECT, Grade III. £A773-£A823 per annum.

ARCHITECT, Grade IV. £A848-£A903 per annum.

DEPUTY CITY PLANNER. £A978-£A1,028 per annum.

PLANNING OFFICER-IN-CHARGE. £A928-£A978 per annum.

PLANNING OFFICER, Grade I. £A573-£A728 per annum.

PLANNING OFFICER, Grade II. £A728-£A773 per annum.

PLANNING OFFICER, Grade III. £A773-£A823 per annum.

PLANNING OFFICER, Grade IV. £A848-£A903 per annum.

Salaries shown include cost-of-living adjustment, at present £A117. Three weeks' leave is granted annually. Retiring age is 65. Superannuation will be available. First-class steamer and train passage will be provided free for appointees, and wives and children up to 18 years conditional upon appointees undertaking to remain in the Council's service for five years from date of embarkation. The Council will pay reasonable cost of transportation of personal effects, excluding furniture and household goods. Salary will be paid from date of sailing. Flat accommodation (mostly with ample gardens and grounds) will be available on a rental basis.

The Department of Works is responsible for all Municipal architectural and building activities and planning in all its aspects in city area of 375 square miles.

ARCHITECTS must have full qualifications to the standard of Associateship of the R.I.B.A. Membership will be considered an advantage. Applicants should be experienced in design and/or supervision of varied aspects of building work.

DEPUTY CITY PLANNER: Applicants must be qualified Architects, Engineers or Surveyors having in addition Diploma in Town Planning of the R.I.B.A. or equivalent. At least ten years' experience in Town Planning subsequent to qualification is desirable, with a thorough knowledge of all aspects of this work.

PLANNING OFFICERS must be qualified Architects or Town Planners, preferably with Town Planning Diploma of the R.I.B.A. or equivalent, with sound experience of Town Planning subsequent to qualification.

Classifications and commencing salaries will be dependent upon qualifications and experience. Applicants should not be over 50 years old.

Further information and application forms may be obtained from the Agent-General for Queensland, 409-410, Strand, London, W.C.2, with whom applications should be lodged before or on 12th June, 1950.

J. C. SLAUGHTER,
 Town Clerk. 4103

LONDON COUNTY COUNCIL.
 ARCHITECT'S DEPARTMENT.
 PLANNING STAFF.

Applications are invited for positions of PLANNING OFFICER, Grade I (£840-£960), Grade II (£700-£840), Grade III (£550-£700), and TECHNICAL ASSISTANT (up to £580). The positions are superannuable. "Candidates, for Grade I positions should have architectural and town planning qualifications, and will be engaged on Reconstruction Areas and Detailed Planning. Candidates for Grade II and III positions should have architectural or surveying qualifications with town planning qualifications in addition, and will be engaged on Development Plan, Development Applications and Detailed Planning. Technical Assistants are required for work on Development Applications and Detailed Planning. Particulars and application forms from the Architect (A.R./P/T), The County Hall, Westminster Bridge, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualifies. (385) 3915

ROYAL BOROUGH OF KINGSTON-UPON-THAMES.

APPOINTMENT OF CLERK OF WORKS.
 Applications are invited for the appointment of a TEMPORARY CLERK OF WORKS to supervise the erection of a Crematorium at Kingston-upon-Thames.

The inclusive salary offered is £12 12s. p.w., and the person appointed will be required to devote the whole of his time to the duties of the office.

Applicants should have a good knowledge of the building trade and the supervision of works, and preference will be given to those who have carried out work of a similar nature.

Applications, stating age, qualifications, previous experience and when they would be free to commence duties, accompanied by three recent testimonials, endorsed "Clerk of Works," should be delivered to the undersigned not later than 12th June, 1950.

A. W. FORSDIKE,
 Town Clerk. 4394

Guildhall, Kingston-upon-Thames.
 24th May, 1950.

BOROUGH OF EALING. BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT. APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following permanent appointments at salaries in accordance with the under-mentioned Grades of the A.P.T. Division of the National Scheme of Conditions of Service:—

(a) CHIEF ARCHITECTURAL ASSISTANT (Grade IX), commencing at £750 per annum, rising by annual increments to a maximum of £900 per annum, plus £30 London weighting.

(b) TWO ARCHITECTURAL ASSISTANTS (Grade VI), commencing at £595 per annum and rising, by annual increments, to £660 per annum, plus £30 London weighting.

Applicants must be Corporate Members of the Royal Institute of British Architects, or possess a recognised equivalent qualification. Preference will be given to candidates with Municipal experience.

The Council are unable to provide housing accommodation for the successful candidate.

Candidates who have replied to the previous advertisement need not submit further applications.

Forms of application, together with conditions of appointment, may be obtained from the Borough Engineer and Surveyor, Town Hall, Ealing, W.5, and must be returned to me not later than the 12th June, 1950.

E. J. COPE BROWN,
 Town Clerk. 4353

Town Hall, Ealing, W.5.

BOROUGH OF HESTON AND ISLEWORTH.
 Applications are invited for the following appointments in the Department of the Borough Engineer and Surveyor:—

TWO SENIOR ARCHITECTURAL ASSISTANTS.

Salary in accordance with Grade VI of the A.P.T. Division, at the rate of £595×£20×£20×£25=£660 per annum, plus London weighting of £30 per annum.

Applicants must hold the examination qualification for the A.R.I.B.A. or a University degree or diploma in architecture approved by the Institution.

Applicants must have had good experience in architectural design of a general character, and preference will be given to candidates experienced in housing and other local government work.

The appointments are to established posts and subject to the National Scheme of Conditions of Service. Forms of application may be obtained from the Borough Engineer and Surveyor, 88, Lampton Road, Hounslow, Middlesex, by sending a stamped addressed envelope.

"Application on the forms provided, endorsed "Senior Architectural Assistant," to be delivered to the Borough Surveyor not later than noon on 5th June, 1950.

Canvassing will disqualify.

HAROLD SWANN,
 Town Clerk. 4327

May, 1950.

NORTH THAMES GAS BOARD.
 Applications are invited for the following appointments in the Architects' Section of the Chief Engineer's Department of Westminster: SENIOR ARCHITECTURAL ASSISTANT, minimum starting salary £650 per annum.

Applicants, who must be Registered Architects and should be studying for or have passed the Final Examination of the R.I.B.A., should be capable of preparing working and detailed drawings and specifications, and supervising and controlling the work on contracts. Experience in design and planning of industrial buildings would be an advantage.

The appointment is of a permanent nature, and pension arrangements will be discussed with short list candidates.

Applications, stating age, qualifications, and particulars of previous appointments held, must be submitted to the Staff Controller, North Thames Gas Board, 30, Kensington Church Street, London, W.8, quoting reference 9757. 4341

METROPOLITAN BOROUGH OF SHOREDITCH.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of one Architectural Assistant, in Grade A.F. and T. VI, salary £595-£660 per annum, plus London weighting, or in Grade Va, salary £550-£610, plus London weighting, dependent on the qualifications and experience of the applicants.

Applicants should have good architectural experience and be competent to undertake the preparation of working drawings and details for housing schemes, including multi-storey flats.

Preference will be given to Associates of the Royal Institute of British Architects, and the appointment will be subject to medical examination, the Council's Superannuation Scheme, and general conditions of service.

Applications, stating age, training and experience, together with the names of two persons to whom reference may be made, should be submitted to the undersigned not later than Monday, 5th June, 1950, and endorsed "Architectural Assistant."

Any applicant who is related to a member of the Council or the holder of any senior office under the Council must disclose the fact in his application.

C. A. JAMES,
 Town Clerk. 4322

Town Hall, Old Street, E.C.1.
 May, 1950.

HARLOW DEVELOPMENT CORPORATION.

Applications are invited for the under-mentioned posts in the Department of the Architect/Planner (Frederick Gibberd, F.R.I.B.A., M.T.P.I.):—

TWO JUNIOR ASSISTANT ARCHITECTS.

Salary £450×£25 to £550 per annum. Candidates should have received appropriate training and have experience in the preparation of working drawings and details for large scale building projects. In one of the appointments preference will be given to candidates possessing experience in detail work connected with the construction of factory buildings.

The appointments will be subject to the Corporation's Staff Rules and Conditions of Service (which are similar to the National Joint Council's Conditions of Service for Local Authorities' Administrative, Professional and Technical Staff), and will in particular involve a contribution to a Superannuation Fund either in accordance with the Local Government Superannuation Act, 1937, or an Assurance Scheme.

The Corporation is prepared to assist the successful candidates in obtaining housing accommodation.

Applications, giving full details and names of two referees, should be addressed to the under-mentioned, to reach him not later than 12th June, 1950.

W. ERIC ADAMS,
General Manager.

Terlinge, Gilston, Harlow, Essex. 4385

WOKING URBAN DISTRICT COUNCIL. APPOINTMENT OF FIRST ARCHITECTURAL ASSISTANT (GRADE IV).

Applications are invited for the above permanent appointment in the Engineer and Surveyor's Department, at a salary in accordance with A.P.T. Division, Grade IV (£480×£15-£525 per annum). An allowance will be paid in accordance with the National Joint Council Scale for the provision and upkeep of an efficient motor car (not exceeding 8 h.p.) to be used in the performance of the duties.

Applicants must have passed the Intermediate Examination of the R.I.B.A., and should have had previous experience in general architectural work, including design, working drawings, detailing, estate layout and specifications, and be capable of the supervision and management of housing contracts.

The appointment, which will be subject to the provisions of the Local Government Superannuation Act, 1937, and the passing of a medical examination, may be terminated by one month's written notice on either side. Housing accommodation will be available if necessary.

Forms of application may be obtained from Mr. H. P. Tame, A.M.I.C.E., M.T.P.I., Engineer and Surveyor, Council Offices, Woking, and should be returned endorsed "First Architectural Assistant," together with copies of three recent testimonials, to the undersigned not later than Monday, 12th June, 1950.

F. H. SMITH,
Clerk of the Council.

Council Offices, Woking. 4384
20th May, 1950.

CITY ENGINEER'S DEPARTMENT, GUILDHALL, NOTTINGHAM. TOWN PLANNING ASSISTANT (GRADE A.P.T., VI).

Applications are invited for the post of Town Planning Assistant, at commencing salary of £615 p.a., and rising by annual increment of £20×£25-£660 p.a.

The person appointed will be engaged on the City's Development Plan, and applicants should have had experience of this type of work.

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

Forms of application are to be obtained from R. M. Finch, O.B.E., M.I.C.E., City Engineer and Surveyor, Guildhall, Nottingham, and should be returned to him by not later than Friday, 16th June, 1950.

J. E. RICHARDS,
Town Clerk.

Guildhall, Nottingham. 4383

COUNTY BOROUGH OF SOUTHEND-ON-SEA EDUCATION COMMITTEE. MUNICIPAL COUNCIL.

Principal: R. W. Wilson, B.Sc.(Eng.), A.C.G.I., Whit. Sch., D.I.C., A.M.I.E.E.

Applications are invited for the following full-time teaching posts available 1st September, 1950 (previous teaching experience not essential).

DEPARTMENT OF ARCHITECTURE, SURVEYING AND BUILDING:

(1) LECTURER AND STUDIO INSTRUCTOR in the School of Architecture. (Responsibility allowance £80.) A certain amount of private practice will be permitted in connection with this post.

The Department is recognised for the Intermediate R.I.B.A. Examinations.

(2) LECTURER IN SURVEYING (Building and Quantities), up to R.I.C.S. Inter. and Final standard.

Salary: Burnham Scale.

Particulars of the posts and forms of application may be obtained from the undersigned (stamped addressed foolscap envelope), and should be returned by not later than 14 days after the appearance of this advertisement.

H. BOYES WATSON,
Chief Education Officer.

Education Office, Warrior Square,
Southend-on-Sea. 4382

SINGAPORE IMPROVEMENT TRUST.

A vacancy exists for an ASSISTANT PLANNING OFFICER (Engineering) on permanent staff. Maximum age 32. Appointment subject to medical examination. Qualifications: A.M.I.C.E., with at least three years' Local Authority experience in Town Planning. A.M.T.P.I. an advantage.

Basic salary in range \$560 to \$1,000 per month, starting point above minimum for suitably experienced applicants. Graduated scale of allowances, e.g., present allowances on \$560 p.m. basic, amount to: Expatriation, \$110 p.m., plus cost-of-living \$192 p.m. for single man or \$246 p.m. for married man, or \$318 p.m. for married man with family. Annual increments \$30 p.m. Local taxation much lower than England. One Malayan dollar equals 2s. 4d. Thus a married man with family on basic salary of \$560 would draw equivalent of £13.383 in the first year of service.

Quarters with heavy furniture provided at 8 per cent. of salary, or housing allowance of 12 per cent. in lieu. Initial engagement on three years' agreement, 8 months' leave after 4 years' service. Free medical attention. Passages paid, including family. Compulsory Provident Fund contributions of 7½ per cent. salary, plus expatriation allowance and Trust donate 7½ per cent. for first 10 years, increasing to 20 per cent. after 20 years' service.

Applications in duplicate, with full personal and technical information, and copies of three testimonials, to Messrs. Peirce & Williams (Agents to the Trust), 1, Victoria Street, London, S.W.1, by Wednesday, 14th June, 1950. 4381

STANDISH-WITH-LANGTREE URBAN DISTRICT COUNCIL.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant for Capital Programme, on the Staff of the Engineer and Surveyor's Department.

Salary, Grade IV of A.P.T. Division of National Scale of Salaries (£480-£525).

Qualifications: Experience in preparation of drawings, specifications and quantities for, and the supervision of building works normally undertaken by a local authority, particularly in regard to Housing Schemes. Preference will be given to those who have qualified or partially qualified by passing the examination of an appropriate professional institution.

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

The Council is prepared, if required, to offer housing accommodation when a candidate has experience, together with the names of two referees, must be delivered to the undersigned not later than Monday, 19th June, 1950.

D. CHISHOLM,
Clerk of the Council.

Council Offices, Standish, Lancashire. 4380

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

Applications are invited for the following permanent appointments:

(a) ASSISTANT ARCHITECT. A.P.T., Grade V, £520-£570, plus the appropriate London weighting.

(b) ARCHITECTURAL ASSISTANT. A.P.T., Grade III, £450-£495, plus the appropriate London weighting.

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

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

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

Forms of application should be obtained from the undersigned and returned by not later than Monday, 12th June, 1950.

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

Town Hall, Station Road, New Barnet, Hertfordshire. 4376

URBAN DISTRICT COUNCIL OF BILLERICAY.

SURVEYOR'S DEPARTMENT.

APPOINTMENT OF DRAUGHTSMAN.

Applications are invited for the above appointment. Salary, Miscellaneous Division I, namely £315 per annum, by £15 to £350 per annum.

Applications on forms to be obtained from the Surveyor, Council Offices, Billericay, should be forwarded to the undersigned not later than Saturday, the 10th June, 1950, and endorsed appropriately.

A. HATT,
Clerk of the Council.

Council Offices, Billericay, Essex. 4371

LONDON COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

Applications are invited for positions of ARCHITECT, Grade III, (£550-£700) and TECHNICAL ASSISTANT (up to £580), for work on new schools and other public buildings. The positions are superannuable. Candidates for Grade III positions should possess professional qualifications. Application forms from the

Applications are invited for positions of minister Bridge, S.E.1, enclosing stamped addressed foolscap envelope. Canvassing disqualified.

3914

CITY OF SHEFFIELD.

CITY ARCHITECT'S DEPARTMENT.

APPOINTMENT OF TECHNICAL STAFF.

Applications are invited from persons with the requisite qualifications, for the following vacancies on the Staff of the City Architect (W. G. Davies, F.R.I.B.A.):—

ARCHITECTS:

Chief Assistants, 1/c of Sub-Sections (Education and General). Grade IX. Scale £750-£900.

Qualification: A.R.I.B.A.

Senior Assistant, Grade VII. Scale £635-£710.

Senior Assistant, Grade VI. Scale £595-£660.

Qualification: A.R.I.B.A.

Assistant, Grade Va. Scale £550-£615. Quali-

fication: A.R.I.B.A. V. Scale £520-£570. Quali-

fication: Registered Architect.

Junior Assistant, Grade III. Scale £450-£495.

Junior Assistant, Grade II. Scale £420-£465.

Qualification: Inter. R.I.B.A. and experience (as recommended by N.J.C.).

SURVEYING ASSISTANTS:

Chief Assistant, 1/c Sub-Section, Grade IX.

Scale £750-£900. Qualification: A.R.I.C.S.

Senior Assistant, Grade VII. Scale £635-£710.

Qualification: A.R.I.C.S.

Senior Assistant, Grade VI. Scale £595-£660.

Qualification: A.R.I.C.S.

Assistant, Grade Va. Scale £550-£615. Quali-

fication: A.R.I.C.S.

Assistant, Grade V. Scale £520-£570. Quali-

fication: A.R.I.C.S.

Junior Assistant, Grade I. Scale £390-£435.

Qualification: Graduate, with less than one year's experience.

QUANTITY SURVEYORS:

Senior Assistant, Grade VIII. Scale £685-£760.

Qualifications: A.R.I.C.S. or A.I.O.S.

Senior Assistant, Grade VI. Scale £595-£660.

Qualifications: A.R.I.C.S. or A.I.O.S.

Assistant, Grade Va. Scale £550-£615. Quali-

fications: A.R.I.C.S. or A.I.O.S.

Assistant, Grade V. Scale £520-£570. Quali-

fications: A.R.I.C.S. or A.I.O.S.

Junior Assistant, Grade II. Scale £420-£465.

Qualification: A.I.Q.S. or qualifications, training and experience as recommended by N.J.C.

STRUCTURAL ENGINEER (Senior Assistant).

Grade VIII. Scale £685-£760.

The minimum qualification for this post is

A.M.I.Struct.E., with experience in modern

practice and design of:

(1) Steel Frame Buildings.

(2) Reinforced Concrete Construction.

The appointments will be subject to one month's notice on either side, to be given in writing at any time, and to the terms and conditions of service of the National Joint Council for Local Authorities' Administrative, Professional, Technical and Clerical Services, as applied by the City Council to their Official Staff.

The appointments will also be subject to the provisions of the Local Government Superannuation Act, 1937, and candidates must have previous Local Government service carrying a transfer value within the meaning of the Act or not be more than 40 years of age.

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

Full details of the appointments, together with form of application and list of duties, to be obtained from W. G. Davies, Esq., F.R.I.B.A., Town Hall, Sheffield, 1.

Application forms must reach the undersigned not later than Saturday 17th June, 1950.

Canvassing, directly or indirectly, will disqualify.

JOHN HEYS,
Town Clerk.

Town Hall, Sheffield, 1. 4374

COUNTY BOROUGH OF SOUTHPORT.

BOROUGH ENGINEER'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff of the Borough Engineer's Department, at salaries in accordance with the National Joint Scale of Salaries:

(a) SENIOR ENGINEERING ASSISTANT.

A.P.T. Grade V (£520-£570 per annum).

Applicants must have had at least 5 years' technical and practical experience in the preparation and execution of general Municipal engineering works, and should have passed the Associate Membership examination of the Institution of Civil Engineers or the Testamur examination of the Institute of Municipal Engineers.

(b) ARCHITECTURAL ASSISTANT. A.P.T.

Grade IV (£480-£525 per annum).

Candidates should have had at least 2 years' experience in the preparation of plans and estimates in architectural work generally, including Municipal buildings, housing schemes, etc., and have passed the Intermediate Examination of the Royal Institute of British Architects or its equivalent at one of the recognised schools of architecture.

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

Applications, stating the appointment applied for, giving particulars of age, qualifications and full details of experience, along with particulars of present and previous appointments, and accompanied by copies of three recent testimonials, should be forwarded to the Borough Engineer, Town Hall, Southport, not later than Saturday, 17th June, 1950.

R. EDGAR PERRINS,
Town Clerk.

Town Hall, Southport. 12th May, 1950. 4356

BOROUGH OF MALDEN AND COOMBE. BOROUGH ENGINEER'S DEPARTMENT. APPOINTMENT OF SENIOR ARCHITECTURAL ASSISTANT (GRADE A.P.T. Va).

Applications are invited for the above-mentioned permanent appointment, at a salary in accordance with Grade Va of the Administrative, Professional and Technical Division of the National Scales for Local Government Officers, namely £550×£20-£610 per annum, plus "London weighting." The appointment will be subject to the National Scheme of Conditions of Service, terminable by one month's notice on either side, and subject to the provisions of the Local Government Superannuation Act, 1937. The successful candidate will be required to pass a medical examination.

Preference will be given to registered Architects who have had experience in the architectural design and construction of general Municipal work, including flat development.

Applications, giving details of age, experience, qualifications, present and past appointments, and enclosing copies of two recent testimonials, should be addressed to reach the undersigned not later than 9th June, 1950.

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

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

HAROLD E. BARRETT,
Town Clerk.
Municipal Offices, New Malden, Surrey.
May, 1950. 4373

NATIONAL COAL BOARD (SCOTTISH DIVISION).

The following vacancies exist at Headquarters in Edinburgh, and suitable applicants should forward their applications, giving details of age, qualifications, experience (in chronological order), present post and salary, to reach the Establishments Officer, 1, Eglinton Crescent, Edinburgh, within seven days. These should show the appointment and grade for which application is made. The points of entry into the relevant salary scales will depend on the qualifications and experience of the successful applicants. The posts are superannuable and the successful applicants will be required to pass a medical examination:—

ARCHITECTURAL ASSISTANT (Grade I). Salary scale: £410×£20 to £550.

ARCHITECTURAL ASSISTANT (Grade II). Salary scale: £300×£20 to £440.

Required qualifications: Should have passed or be working for Inter. R.I.B.A. examination, and have some office experience. Applicants should have experience in the preparation of Sketch Plans, Contract Drawings, Specification, Site Supervision, etc.

ELECTRICAL ENGINEER (Building) (Grade II). Salary scale: £450×£25 to £700.

Required qualification: Candidates must have had Drawing Office experience in the preparation of layouts and schedules for the installation of electric power and lighting in buildings. Preference will be given to candidates who have practical experience in this class of work and who possess the National Certificate in Electrical Engineering. 4359

CORPORATION OF DUBLIN. VACANCIES FOR TWO TEMPORARY GRADE II ARCHITECTS.

Applications on the official form are invited from qualified persons desirous of being appointed to the above-mentioned temporary posts.

Salary scale, £10 12s. 6d.-£15 13s. per week inclusive.

Application forms and particulars as to qualifications may be obtained from the Establishment Department, City Hall, Dublin, where completed applications must be lodged not later than 12 noon on the 7th June, 1950.

P. J. HERNON,
City Manager and Town Clerk.
City Hall, Dublin. 18th May, 1950. 4369

BOROUGH OF CHELMSFORD. ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of an Architectural Assistant. The salary for applicants who have passed the Final Examination of the R.I.B.A. will be in accordance with Grade A.P.T., V, and for unqualified persons in accordance with Grade A.P.T., IV. All applicants must be experienced in the design and construction of houses and flats.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and will be terminable by one month's notice on either side. The selected applicant will be required to pass a medical examination. A house will be available for the successful applicant, if required.

Applications, stating age, qualifications, experience, present and previous appointments (with salaries), together with the names and addresses of two persons to whom reference may be made, must be delivered to the Borough Engineer and Surveyor, Municipal Offices, Duke Street, Chelmsford, not later than Wednesday, 14th June, 1950. Applicants must state whether to their knowledge they are related to any member of or the holder of any office under the Council.

B. A. FRANCIS,
Town Clerk.
Municipal Offices, Duke Street, Chelmsford.
1st June, 1950. 4396

CORPORATION OF LONDON. APPOINTMENT OF ARCHITECTURAL ASSISTANT.

AUXILIARY STAFF.

Applications are invited for the appointment of an Architectural Assistant, in connection with the design and construction of large buildings following war damage. Applicants require to have had good practical experience in the preparation of surveys, working drawings, 1/4 inch and full size details, with sound knowledge of building construction and general office routine.

The salary will be within the range of Higher Grades II and III, £500×£25-£750, and the commencing salary will be arranged according to qualifications and experience. Applicants should be Associate Members of the Royal Institute of British Architects or Registered Architects, and should be between 30 and 45 years of age. The appointed officer will be required to pass a medical examination and to contribute to the Superannuation Fund of the Corporation.

Applications, giving full personal details, particulars of qualifications, experience, age, past and present appointments, and the names of two persons to whom reference may be made, should be sent to the City Surveyor, Corporation of London, 55-61, Moorgate, London, E.C.2, not later than the 3rd June. 4320

FIFE COUNTY COUNCIL. SENIOR QUANTITY SURVEYOR.

Applications are invited from suitably qualified parties for the post of SENIOR QUANTITY SURVEYOR. Applicants should be Fellow or Associate Members of the Royal Institute of Chartered Surveyors (Quantity Section), with considerable experience in the preparation of Estimates, bills of quantities, measuring up and adjustment of final accounts. Salary £650, rising by four annual increments of £30 and one of £10 to a maximum of £780 per annum. Age under 45. Medical test under superannuation scheme.

Applications, stating age, training, qualifications, experience and previous appointments, together with copies of recent testimonials, to be lodged with the undersigned not later than 12th June, 1950. No canvassing.

J. M. MITCHELL,
County Clerk.
County Buildings, Cupar.
23rd May, 1950. 4409

CITY OF OXFORD. CITY ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.

Applications are invited for the under-mentioned posts on the Permanent Staff of the City Architect and Planning Officer's Department:—

(a) SENIOR PLANNING ASSISTANT. Grade V, A.P.T. Division, £520×£15 (2)×£20 (1)—£570 per annum.

Applicants should be capable of undertaking duties in connection with the survey and preparation of the Development Plan, have had experience in Development Control, and must possess a knowledge of the Town and Country Planning Act, 1947.

Candidates should have passed the Final Examination of the Town Planning Institute, or hold a recognised Town Planning qualification. Surveying, Engineering or Architectural qualifications will be deemed an advantage.

Housing accommodation, if required, will be made available by the Council for the successful applicant for the above-mentioned post.

(b) JUNIOR PLANNING ASSISTANT. Grade I, A.P.T. Division, £390×£15-£435 per annum.

The successful applicant will be required to assist in general duties connected with the planning work of the City.

(c) ASSISTANT ARCHITECT. Grade V, A.P.T. Division, £520×£15 (2)×£20 (1)—£570 per annum.

Applicants should be capable of preparing sketch designs, full working drawings, specifications, etc., for either housing or educational buildings.

Candidates should be Registered Architects and Members of the Royal Institute of British Architects.

(d) ASSISTANT SURVEYOR (ESTATES AND PROPERTY PURCHASES).

The salary will be fixed within the range Grade I-V of A.P.T. Division (£390-£570 per annum), according to qualifications and experience of the successful applicants.

Applicants should be capable of the preparation of surveys, schedules of dilapidations, and in the negotiation of purchases, sales, and lettings in connection with the City Estates.

Preference will be given to qualified Members of the Royal Institution of Chartered Surveyors (Valuations and/or Estate Management Sub-division), and a knowledge of recent legislation, including the Town and Country Planning Act, 1947, will be an advantage.

(e) ASSISTANT QUANTITY SURVEYOR.

The salary will be fixed within the range Grade III-V of A.P.T. Division (£450-£570 per annum), according to qualifications and experience of the successful applicants.

Applicants should have good experience in measuring work on site, preparing interim certificates and final accounts for Housing schemes and other buildings, including alteration works, and a knowledge of estimating and taking off, abstracting and billing quantities.

Preference will be given to persons who have passed either the Intermediate or Final Examinations of the Royal Institution of Chartered Surveyors (Quantities) or other professional body.

Housing accommodation, if required, will be

made available by the Council for the successful applicant for the above-mentioned post.

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

Further details of the duties and Application Forms, which must be used in applying for the posts, may be obtained from E. G. Chandler, A.R.I.B.A., A.M.T.P.I., City Architect and Planning Officer, Town Hall, Oxford.

Applicants must clearly state for which post they wish to apply when writing for Forms, and these Forms must be returned to the City Architect and Planning Officer not later than Tuesday, the 20th June, 1950.

HARRY PLOWMAN,
Town Clerk.
4406

COUNTY BOROUGH OF BIRKENHEAD. APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments on the staff of the Borough Engineer and Surveyor:—

(a) SENIOR ARCHITECTURAL ASSISTANT. Grade A.7, £635-£710 per annum.

(b) ARCHITECTURAL ASSISTANTS (TWO). Grade A.5, £520-£570 per annum.

Applicants should be Registered Architects and/or Members of the R.I.B.A., and have a sound knowledge of Architectural design and construction, and be capable of preparing complete sets of drawings, details, etc.

Appointment (a) is for General Works, with experience in School Design, and one appointment (b) is required for School Buildings, the other appointment (b) being for Housing and General Works.

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

Applications must be submitted in accordance with the instructions to be obtained from the Borough Surveyor, Town Hall, Birkenhead. Completed applications must be submitted in a plain envelope endorsed "Architectural Assistant (a) or (b)," as the case may be, and delivered to me not later than the date specified on the form to be supplied.

DONALD P. HEATH,
Town Clerk.
Town Hall, Birkenhead.
June, 1950. 4396

GLOUCESTERSHIRE COUNTY COUNCIL. COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of ASSISTANT ARCHITECTS and ARCHITECTURAL ASSISTANTS, on A.P. and T., Grade VI, V and IV, according to experience and qualifications. Candidates for the Grade VI appointments must be qualified Members of the R.I.B.A., with not less than 4 years' experience with a local authority, and candidates for Grade V must be qualified Members of the R.I.B.A.

Appointments will be subject to the Local Government Superannuation Act, 1937, and candidates, before appointment, will be required to pass a medical examination.

Applicants should state whether or not they possess a motor car and/or hold a driving licence. The appointments will be terminable by one month's notice on either side.

Applications, stating (1) name and address, (2) married or single, (3) age, (4) qualifications, (5) present position, salary and date of appointment, (6) previous positions with dates and salaries, (7) particulars of experience, and giving the names and addresses of two persons to whom reference can be made, should be sent to S. E. Urwin, F.R.I.B.A., County Architect, Shire Hall, Gloucester, not later than Wednesday, 14th June, 1950.

GUY H. DAVIS,
Clerk of the County Council.
22nd May, 1950. 4397

COUNTY BOROUGH OF READING. ARCHITECTURAL ASSISTANTS.

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

Two posts in Grade I (£390-£435). Applicants should have a knowledge of architectural work, be good draughtsmen, and able to read working drawings.

The appointments will be subject to (1) the National Scheme of Conditions of Service, (2) the Local Government Superannuation Act, 1937, (3) the passing of a medical examination by the successful candidates, and (4) determination by one month's notice in writing on either side.

Applicants must state their age, qualifications, full details of experience and previous appointments, together with the names and addresses of three persons to whom reference can be made.

Applications, endorsed "Architectural Assistant, Grade I," should be received by the Borough Architect, Town Hall, Reading, not later than the 24th June, 1950.

Canvassing, directly or indirectly, will disqualify.

G. F. DARLOW,
Town Clerk.
Town Hall, Reading.
May, 1950. 4392

COUNTY BOROUGH OF DARLINGTON. BOROUGH ARCHITECTS' DEPARTMENT.
Applications are invited for the permanent appointment of **ASSISTANT ARCHITECT**. Salary Grade VI (£295-£660).

The Department is dealing with a large programme of education work, including large secondary schools and a new Technical College, Housing, Welfare Buildings and other general work, and candidates who have had previous experience and are Members of the R.I.B.A. will receive preference.

Note.—A well equipped self-contained flat, with garden, in good locality, will be made available if required.

Applications, giving full particulars of age, qualifications, present appointment with salary, previous experience with dates, and the names of three referees, to be sent to E. A. Tornbohm, A.R.I.B.A., A.M.T.P.I., Borough Architect, Central Buildings, Darlington, not later than Monday, 12th June, 1950. 4361

Tenders for Contracts

6 lines or under, 12s. 6d.; each additional line, 2s.

BOROUGH OF NELSON. SANSBURY CRESCENT. SCHEME 1-16 HOUSES.

The Corporation invite Tenders for the work of erecting the above houses.

Contractors wishing to tender are asked to apply to F. V. Alexander, Esq., A.M.I.C.E., Borough Surveyor, Town Hall, Nelson, Lancashire, not later than Friday, the 9th June, 1950, for Forms of Tender, Plans, Specifications and Conditions. A deposit of 1 guinea must be made when making such application, and this will be returned on receipt of a *bona fide* Tender with the Plans, Specifications and Conditions. Cheques to be made payable to the Nelson Corporation.

The Scheme consists of a four block and a pair block of 2-bedroom terrace type houses, three pair blocks of 2-bedroom houses, and two pair blocks of 3-bedroom houses. Only an All-trades Tender for the whole of the Scheme will be accepted.

The successful Contractors will be required to proceed with the work diligently and speedily, and to provide a bond for the due completion of the Contract.

The Corporation do not bind themselves to accept the lowest or any Tender.

F. W. ROBERTS, Town Clerk.

Town Hall, Nelson, Lancs. 24th May, 1950. 4393

Partnership and Financial

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

A.R.I.B.A. A.M.T.P.I., seeks position in Architect's office in North Midlands or London area, with view to partnership; capital available. Box 4405.

Architectural Appointments Vacant

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

ASSISTANT to Technical Editor of "The Architects' Journal"; qualifications required: interested in building construction, R.I.B.A. Inter. standard, or equivalent qualifications; experience in architect's or builder's office an advantage. Replies to Cotterell Butler, 9-13, Queen Anne's Gate, S.W.1. 492

STUDENT or JUNIOR ARCHITECT for editorial work; applicants to have a bias towards building technology and the science of building; salary according to qualifications and experience. Box 493.

YOUNG ASSISTANT, interested in Ecclesiastical work required in private East Midlands office; student considered. Full particulars to Box 4167.

EDITORIAL ASSISTANT required for architectural journal. Applicants should be interested in current building problems, capable of understanding working drawings, and with a good command of English. Box 510.

CHANNEL ISLANDS—Qualified ARCHITECTURAL ASSISTANT required, to take control of Office at Jersey; knowledge of the Channel Islands an advantage; ultimate partnership for suitable applicant. Applications, giving full particulars, to Box 4275.

ARCHITECTS' ASSISTANT required for private practice, S.W. England; working drawings, details, surveying and levelling; living accommodation available. Write, stating age, experience, salary required, Box 4279.

ARCHITECTURAL ASSISTANTS (TWO) required for the design and detail of Industrial Buildings in connection with the coal, gas, iron and steel industries; 3 years' minimum office experience essential. Apply, stating age and experience, to Personnel Manager, Simon-Carves, Ltd., Stockport. 4289

ARCHITECTURAL ASSISTANT required in Architect's Department of large South London Building Company, for housing details, prefabricated and otherwise; salary £350-£500, according to experience and qualifications. Box AC 51687, Samson Clarks, 57/61, Mortimer Street, W.1. 4238

ARCHITECTURAL ASSISTANTS required, of Intermediate standard, for private Architect's offices in Norwich and Yarmouth; all classes of work in progress; applicants should state their age and give full particulars of their qualifications and experience. A. D. Cooke, A.R.I.B.A., 78, Prince of Wales Road, Norwich. 4240

ARCHITECTURAL ASSISTANTS required for general architectural practice. Apply, stating experience and salary required, to Thomas Worthington & Sons, 178, Oxford Road, Manchester, 13. 4351

ASSISTANT required in general practice in London; Intermediate standard, with office experience or recently qualified. Kenchington, Farms & Nield, 130, Crawford Street, W.1. 4296

MANAGING ASSISTANT ARCHITECT required for private practice in Portsmouth; must be able to take full charge of office, and act on own initiative; excellent opportunities for the right man. Applications, giving full particulars to Box 4309.

ARCHITECTURAL ASSISTANT required by Gollins, Melvin & Partners, F./A.R.I.B.A.; capable working drawings; salary £350-£550; office experience essential; 5-day week. Telephone Museum 0883 for appointment. 4315

PERMANENT positions available for competent ASSISTANTS in established London office; salary: Juniors, £350-£550; Seniors, £650-£850 per annum. Reply, with full details of experience, to Box 4316.

EXPERIENCED ARCHITECTS' ASSISTANT required; flat available. Reply, stating age, experience, and salary required, and if married, to Burgess, Holden & Watson, Architects, Beaconsfield, Bucks. Telephone 1198. 4323

SENIOR and INTERMEDIATE ARCHITECTURAL ASSISTANTS required, preferably with experience of commercial and city practice; interesting and varied work; 5-day week; good salaries. Please apply in writing to Lewis Solomon & Son, 21, Bloomsbury Way, W.C.1. 4328

REQUIRED, at Company's Head Office, Guildford, **ARCHITECTURAL ASSISTANT**, A.R.I.B.A.; varied work, mainly factory; 5-day week; salary by arrangement. Box 4332.

ARCHITECTURAL ASSISTANT, with experience in design of industrial buildings, and capable of preparing surveys, working drawings and details, required by a large industrial firm in the Midlands; a house is available. Write, stating age, education, experience, salary required, Box 4343.

ARCHITECT'S ASSISTANT, at least Inter. R.I.B.A. standard, required at once; salary according to experience; accommodation can be provided. Gotch, Saunders & Surridge, F./A.R.I.B.A., High Street, Kettering, Northants. 4382

ARCHITECTURAL ASSISTANT, of Intermediate standard, required immediately by firm of Architects in West End of London; salary according to experience and qualification. Box 4403.

PROGRESSIVE position offered to trained Industrial or Interior Designer as personal ASSISTANT to Gaby Schreiber, F.S.I.A. Sloane 6127. 4404

ASSISTANT required in Strand office for interesting new Town Planning work—up to R.I.B.A./T.P.I. Intermediate standard; good draughtsmanship and previous experience in local authority or private planning office essential, 5-day week. Box 4402.

CITY Architects require ASSISTANT, Inter. standard, for interesting current work. Clifford Tee & Gale, 153, Moorgate, E.C.2 CENTRAL 6683. 4401

ARCHITECTURAL ASSISTANT required immediately by Hugh Casson, F.R.I.B.A., for his private office at 110, Old Brompton Road, S.W.7; one or two years' experience preferred. 4400

ARCHITECTURAL ASSISTANT required for Private Practice in small country town, with prospect of Partnership. Box 4375.

MAX LOCK requires qualified Architect as ASSISTANT in detailed design and layout of large housing scheme near Portsmouth; experience of housing work essential, planning qualifications preferred; salary £500 p.a.; pleasant accommodation provided. Apply to Max Lock, "Alverbank," Stanley Park, Gosport, Hants. 4389

ARCHITECT'S ASSISTANT required immediately, with experience of industrial buildings, and capable of preparing working drawings and details. Applicants are requested to state age, experience, and salary required, to The Austin Motor Co., Ltd., P.O. Box 41, Birmingham. 4377

QUALIFIED SENIOR ASSISTANT required by a firm of Architects in the South-West; salary £550-£750, according to qualifications; unfurnished housing accommodation available, if required. Box 4390.

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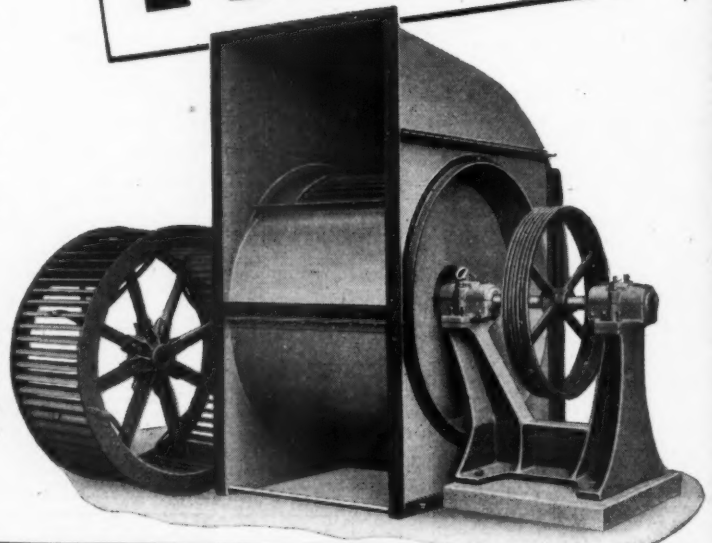
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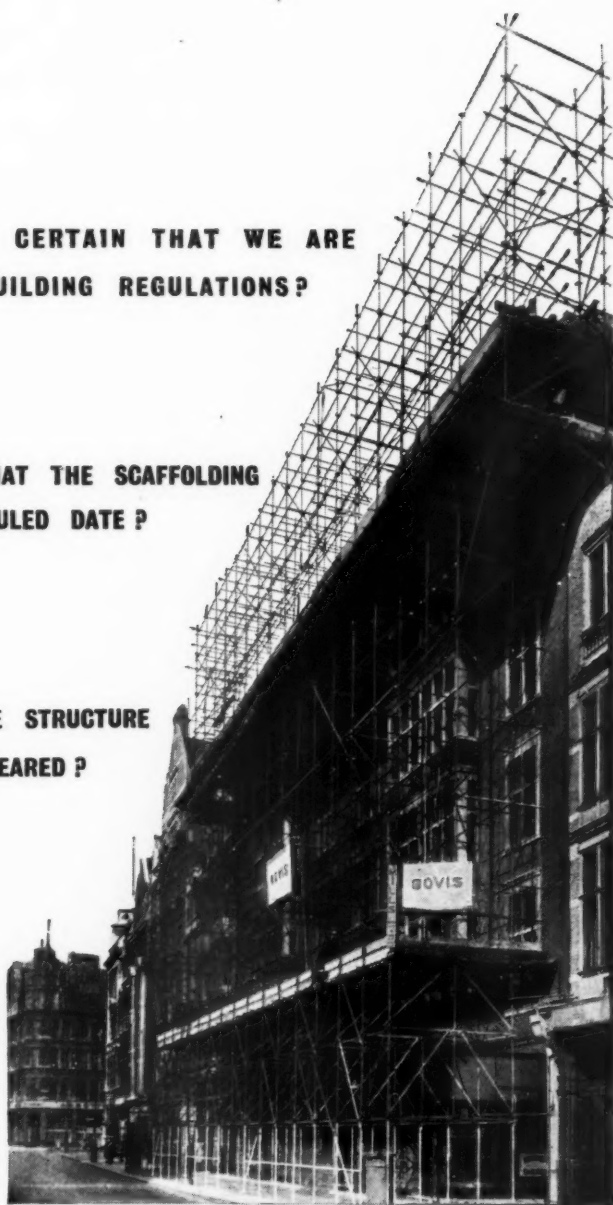
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