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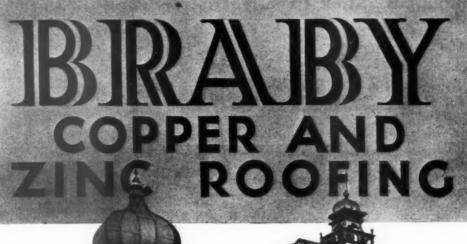
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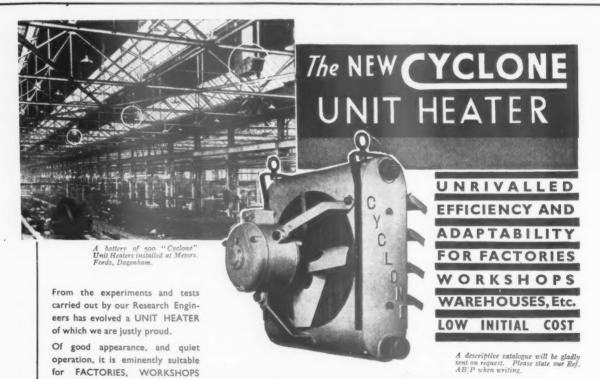
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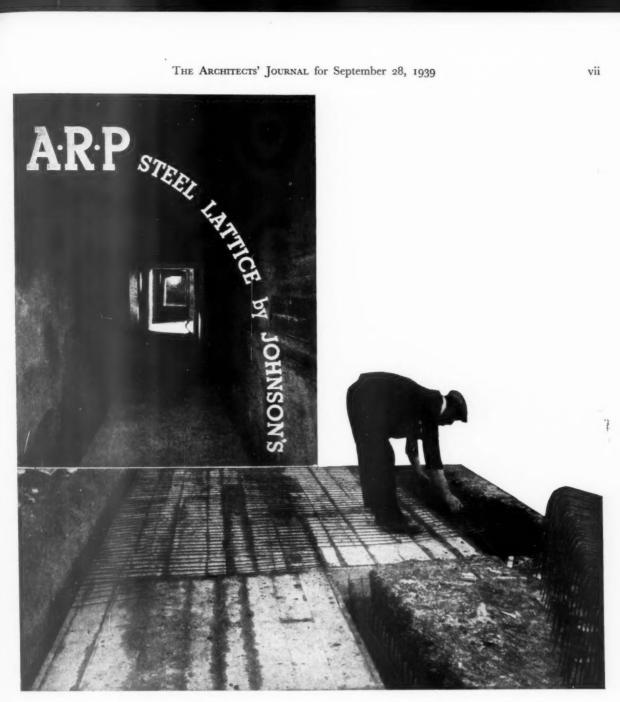
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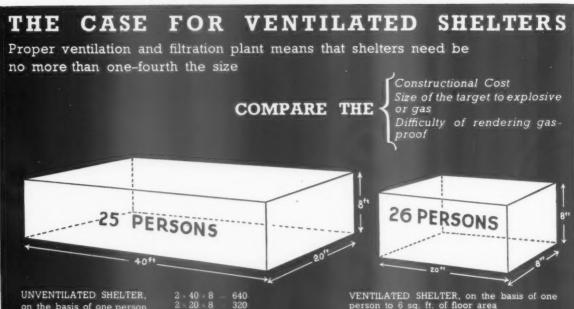
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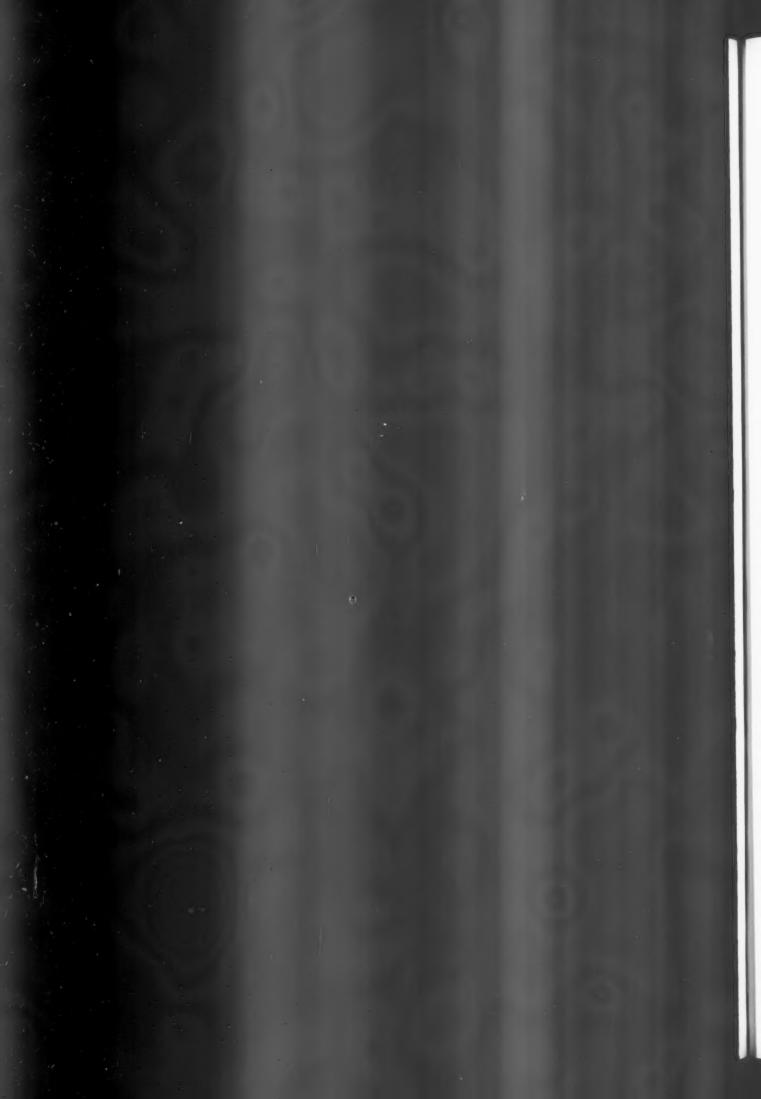
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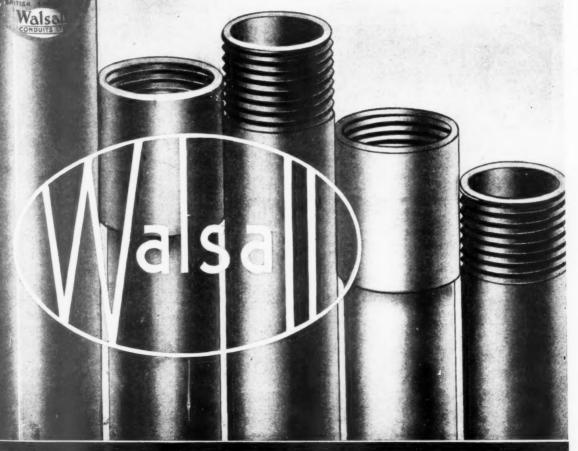
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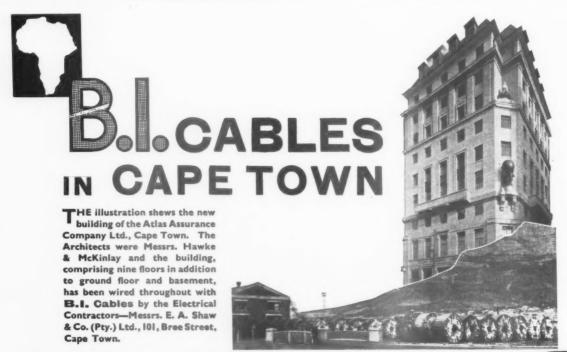
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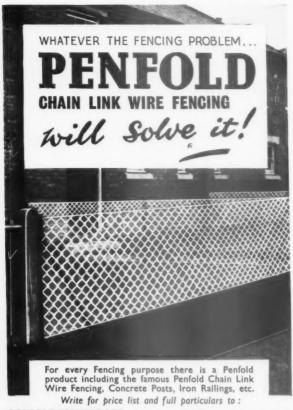
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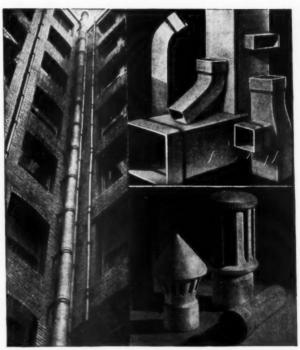
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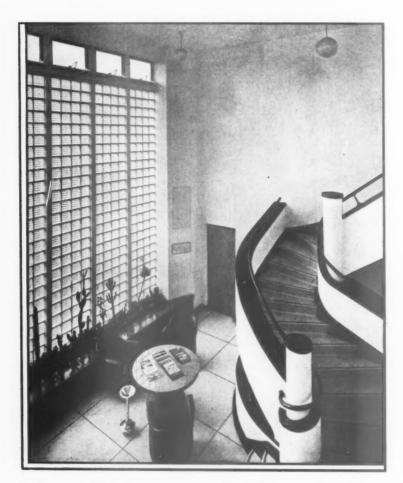
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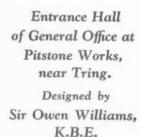
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JOURNAL

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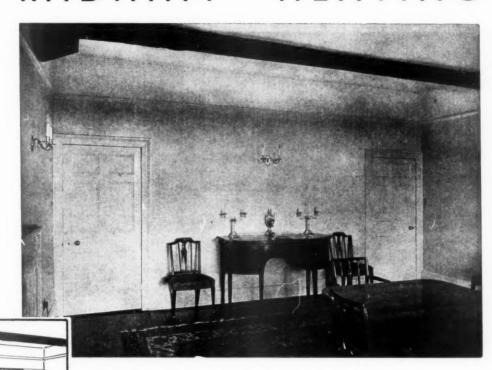
The Editor will be glad to receive MS. articles and also illustrations of current architecture in this country and abroad with a view to publication. Though every care will be taken, the Editor cannot hold himself responsible for material sent him.

Thursday, September 28, 1939. Number 2332: Volume 90

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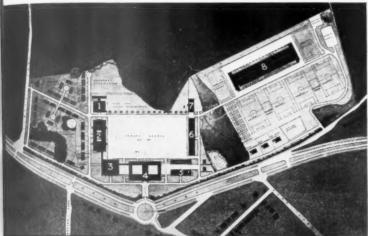
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COMPETITION FOR CONSTABULARY HEADQUARTERS, HUTTON

WINNING DESIGN: PRESTWICH A N D



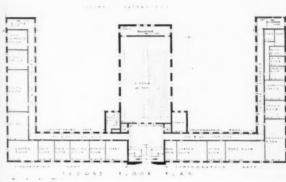


Rifle Range, Gymnasium and Swim-

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Administrative Building Forensic Science Building

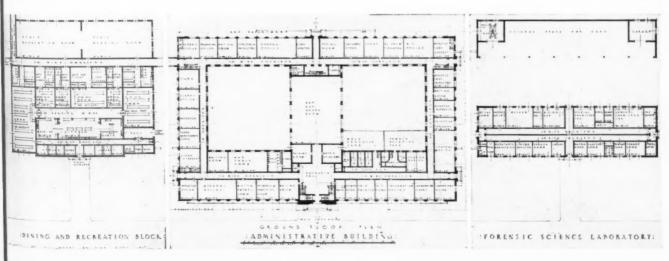
6: General Stores and Printing
7: Boiler-house and Laundry
8: Garage Workshops and Motor School





Messrs. J. C. Prestwich and Sons have been awarded first premium (£500) in we competition for the proposed new headquarters to house the Lancashire Con-labulary and training depot at Hutton, near Preston. Other premiums were worded as follows: Second (£400)—Bradshaw Gass and Hope; Third (£300) ackson and Edmonds.

The scheme, which would involve transferring the County Police headquarters m Preston to Hutton, would cost £365,000, but work has been postponed until after the war.



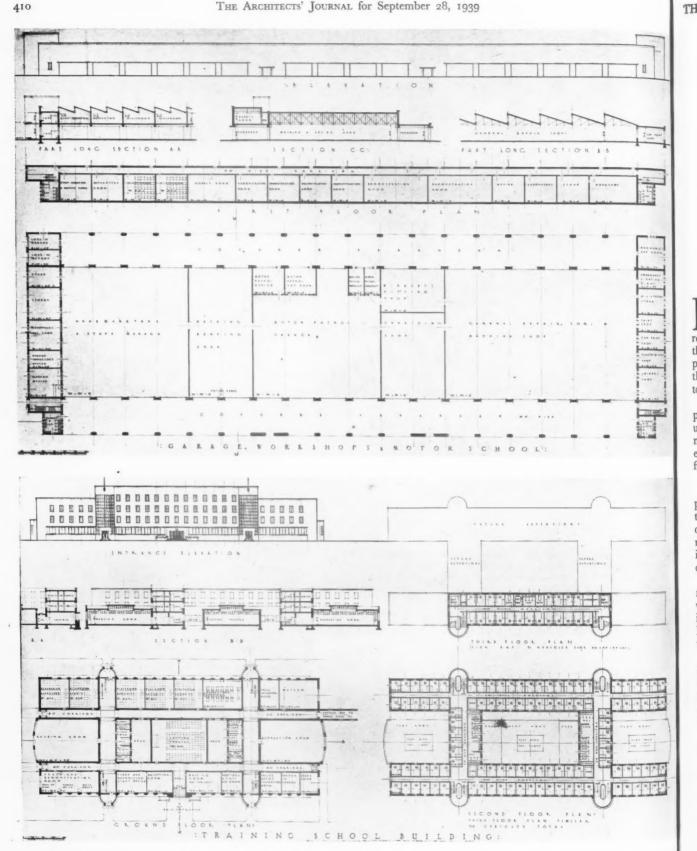
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COMPETITION FOR CONSTABULARY HEADQUARTERS, HUTTON

Winning design, by J. C. Prestwich and Sons: Plans, elevation and sections of the garage, workshop and motor school and the training school.



NOW - OR IN SIX MONTHS?

N what ways will the Government use the resources of the building industry for the prosecution of the war? How soon will the larger part of those resources begin to be used? These are the questions that control the continued existence of the industry's present organization. They must be solved soon if the double waste of dispersal and reconstitution are to be avoided.

The industry and its allied professions know the present difficulties of the Government. The industry understands the scale of the reorganization which ministries are preparing to carry out. So there is every reason for the building industry itself to try to find good answers to these two questions.

We believe that there are already reliable pointers. The first is the Government's declared policy of preparing for a three years' war. It will take a year to alter our industrial organization for the purpose of war. During that first year, or in later years, air raids may be serious enough to compel large alterations in the present distribution of industry and population; or their results may be insignificant.

This is the setting in which the building industry must function. No one doubts that as organization for war progresses so will the demands on the building industry; or doubts that—in the words of Sir Samuel Hoare on September 22—" the job will soon look for you."

But what matters, if the resources of the industry are not to be dispersed by a rapidly increasing unemployment, is the coming six months. And immediately Sir Samuel Hoare's recipe for tiding over the coming few months is applied to building, the latter's special position is plain.

"Do not dismiss your employees. Go on buying and selling, but buy prudently and pay your bills."

These are just the things which the building industry would like to do. As things now are, it cannot do them. But with a very little help from the Government it could start doing them at once. The position, in our view, is this:

1. Save for the building of shelters, the building industry is about to come to a general standstill because of the uncertainty of building owners concerning materials, labour, insurance, effects of aerial bombing and the extent to which their own activities are needed for war purposes.

2. Within a year a huge number of building works of obvious kinds will be ordered, and thereafter will be ordered in increasing quantities.

3. Throughout the country there are a multitude of non-building firms whose products are indispensable in war and whose factories will need to be greatly extended. These firms would be only too willing to make the necessary preparations at once, but without some guarantee or official approval—however general its terms—they dare not put work in hand. They are just waiting.

4. The greater part of the building industry architects, civil engineers, builders and manufacturers, are in the same position; certain that they will be needed, but meanwhile—just waiting.

It seems clear beyond question that without holding up the great work of transition from peace to war for a single day, several wasted months could be saved both for war industries and the building industry. What is needed is a Government statement that industrial firms of stated types are desired to prepare at once for the reception of large orders in six months' time, and that approved expenditure used for this purpose will be guaranteed by the Government. A supplementary statement by the Ministry of Supply could indicate the materials which will be available for the necessary building work. By these simple actions a great many of the vital war industries can be brought up to war strength without delay, and the key industry of building can be saved from temporary disintegration.

The policy of the Government is that eventually every firm and every person will be included within the country's war organization, but that, until called upon, everyone should as nearly as possible carry on with peace-time activities. The building industry is ready to do the first. It cannot do the second.

Mr. Murray Easton has emphasized in a letter to *The Times* that the industry is at present organized for the tackling of building work of any kind on any scale. But the industry cannot remain organized unless it is given work at once. The work, as we have shown, is there to be done.

The industry can either do much of it now, with its present familiar, efficient organization, or, after a period of great hardship, it can be recalled, rebuilt, and asked to do exactly the same thing after half a year's delay. Those are the alternatives.



The Architects' Journal
45 The Avenue, Cheam, Surrey
Telephone: Vigilant 5762

NOTES

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T O P I C

SIR EDWIN'S SPANISH PALACE

F Spain should become involved in the war it may interfere with the rebuilding of a palace for the Duke of Alba, near Madrid, plans for which have just been completed by Sir Edwin Lutyens. The original palace was destroyed by bombs, only a few of the art treasures being saved.

BATTLE OF THE STYLES

You can't get away from this, even now. The dispute has only been given a twist. The ultra-modern work is unattractive to thermite bombs, it is practically collapse-proof, the garage (with a few sandbags) is usually a shelter beyond praise. The modernist has a large slice of the indispensable.

But not the luxuries. "We will now," said a modern architect, after the second sherry, "proceed to black out." Then he added, "How glad I am that I don't live in one of my own houses."

I thought him right. Into the wood frames of his Tudor casements neat oblongs of laths and black cloth were fitted at the rate of about one room per minute and the curtains drawn to cover them.

BLACK OUT AND WHITE IN

I spent another evening in an old-fashioned Victorian house this week. It has been unnecessary for its owner to take air-raid precautions. All the windows were already heavily curtained with velvet; through a darkly-rich coloured glass lantern in the hall a dim light glimmered; and the local warden had passed the house as it stood, not only for lighting, but for safety. "All you have to do," he said, "is to sit on the first-floor landing and you'll be O.K.

NOTICE TO SUBSCRIBERS AND CORRESPONDENTS

The Architectural Press announces that in order to ensure production and distribution of The Architects' Journal, The Architectural Review, Specification and the numerous books published by the firm, it has taken temporary offices at 45 The Avenue, Cheam, to which address editorial and advertisement matter should be sent. The telephone number is Vigilant 5762.

Temporarily Therefore:

THE ARCHITECTS' JOURNAL

45 THE AVENUE
CHEAM, SURREY

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The house is well built and thermite bombs would bounce off a roof as steep as yours."

THE JITTER OF THE MOMENT

War topics cannot escape fashion any more than table mats or the width of trousers. Two years ago GAS provided the most elegant social ammunition for any group of deck chairs on a fine afternoon. A few paragraphs on Lewisite was better received than a broken engagement. Gas proof rooms were the rage, and anyone who strayed off onto high explosive was nastily suspected of being A CAMBRIDGE SCIENTIST. How sweet those days seem now.

Then it was high-explosive. We were all bored to death by being expected to know more about the Finsbury scheme than Tecton himself. Something died in the bridge world when the topic faded into the mere commonsense of the strongest shelter you could get within 15 seconds' pyjama trot.

Today, in the quieter British way suited to the Ministry of Information's posters, incendiary bombs have the affections of those who take a few sensible precautions. I have seen several buckets of sand, one stirrup pump and I know a man who has a long handled scoop.

I also know a man who knows about incendiary bombs, and since we are all likely to be consulted about them, a small cautionary guide may be useful.

Clear roof spaces of anything that will burn readily. Have a small heap of sand or earth (in the garden will do nicely) and something to carry it in. But don't try any of that dark glasses-scoop-bucket-of-sand business unless you would cheerfully burrow into a ship's furnace to save a hole in three carpets. A 1-kilo incendiary bomb striking a normal house will probably spend its force on the roof, and fall through and ignite on the attic floor. It will then burn through wood floors at the rate of about 10-20 seconds per floor and bring up on the foundation concrete. If it



Lazenki Palace, Warsaw.

comes into your bedroom, hop it (shrouded in the bedclothes) as you have never hopped before.

When all is over you can retrace its path (crowbar needed for raising floor boards), putting out the results. If this is done quickly any jug or bucket will suffice. (Bath full of water very useful.)

If you have concrete floors and the bomb brings up on one of them nothing should be done (except hopping it) unless by the calm, the resolute, the cheerful—equipped with a length of hose with a fine rose. If the C.R.C. is outside the interesting room he can open the door six inches, point the nozzle at the ceiling and inwards, and emit therefrom a fine spray. This will make the bomb burn out much quicker and damp out its results.

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"Don't come down this ladder, Bert, I've took it away."

—And don't walk into the R.I.B.A. through the front entrance, it's a Fletton wall.

At first sight it would appear that the R.I.B.A. A.R.P. shelter is situated in the entrance hall, but, in fact, this is not the case. The staff shelter has been provided in the basement by building a 14-in. wall down the centre of the

WEEKLY FEATURES

Until conditions become more normal certain features may be temporarily or intermittently suspended. This applies this week to Working Details and Information Sheets. room beneath the general office. One therefore supposes that the brickwork outside the main entrance is to protect the famous bronze doors from blast.

At all events the R.I.B.A. building is mute evidence of the fact that business is not quite as usual, for all callers at No. 66 must now enter ignominiously through the side entrance, like the two-and-fourpennies at a super cinema.

THE PEEPHOLE AGE

Troughton and Young have covered the large windows of their showrooms in Knightsbridge with timber, and two small rectangular apertures are attracting crowds of people, who peep through and see within the illuminated showrooms. I am told that this has brought a considerable number of people into those showrooms, and the exterior, which is a sombre brown colour, is adorned with some suggestive notices about A.R.P. lighting.

Rather intelligent. There is a fascination about peepholes.

REJECTED

The Esher Urban District Council has rejected by a large majority the revised plans for a new town between Hinchley Wood and Tolworth. The scheme was for between 2,000 and 3,000 houses and the plans for density and use zoning were disapproved on the ground that they were at variance with the Council's town-planning proposals. It was also pointed out that the elevational treatment of the houses, with one exception, left much to be desired. One member of the Council went so far as to say that the type of dwelling proposed would be a great detriment to the district.

Objection is also made to two other schemes, this time for holiday camps. One at Fairlight, Hastings, has been turned down by the Town Council, and the other, at Dowlands Landslip, near Seaton, Devon, in connection with which an enquiry has been convened by the Minister of Health, is opposed by the National Trust and the Council for the Preservation of Rural England.

Although the decisions with regard to Esher and Seaton were taken after the outbreak of hostilities, it is now certain, in view of the Government restrictions on private building, that all the schemes will be postponed, if not abandoned, until after the war.

FITTING THE FACE

A church damaged in the hurricane last year in Connecticut, U.S.A., appeals for funds for repairs, and for rehanging its shingles, with this phrase: "Help me get my face lifted."

English churches today, in the throes of applying protective measures, or indeed any other buildings that have to launch appeals for aid in A.R.P., might use the slogan: "Help me to get my gas mask."

ASTRAGAL

The organization described below is a product of the Emergency. Though the usual sources of information and a few more are officially open, it is in fact extremely difficult to get expert advice on any particular problem. It doesn't take a detective to find the reason. The sort of official who is normally in a position to answer questions is now working 24 hours a aay on urgent matters of war or re-organization, the very matters in fact which are raising a whole new series of problems requiring expert technical advice. In the circumstances this JOURNAL has decided to make available to its readers, as an immediately practical bit of war service, an INFORMATION CENTRE from which expert advice may be obtained. Use it. No fee is required.

- If you have an A.R.P. problem which demands an expert answer.
- If you want information regarding A.R.P. appliances.
- If you have an A.R.P. problem which requires knowledge you have not got of official recommendations.
- If you want information regarding MATERIALS.
- If you want guidance in finding your way around the new Government Departments.
- If you want the change of address of a firm or manufacturer.

Write to :-

THE ARCHITECTS' JOURNAL,
45, THE AVENUE,
CHEAM,
SURREY.

The Information Centre itself is working from London, but inquiries should be addressed to this Journal unless the question is urgent.

If the question is urgent, ring the Architects' Journal INFORMATION CENTRE at FLAXMAN 5322.

PLEASE write, don't ring the Centre unless the question is urgent.

ARCHITECTS' JOURNAL E M E R G E N C Y INFORMATION CENTRE

THE present emergency confronts all technicians with a whole new set of problems, the answers to which have not yet been made available.

In course of time there may be special organizations for dealing with them. In the meantime THE ARCHITECTS' JOURNAL emergency Information Centre has been formed to fill the breach.

Expert advice is available to every reader of this JOURNAL who has a problem to be answered, personal, legal, administrative or technical.

Use the Centre. The JOURNAL is organizing the service as its own particular contribution in the present emergency.

It is already abundantly clear that the Centre can perform—is in fact performing—a useful service.

Since we made our first announcement in last week's JOURNAL queries have been coming in to us by letter and by phone.

Not the least advantage of the Centre is that it saves the enquirer time. The question may be a simple one, the difficulty in the present confusion being to find the man who knows the answer. This may take an hour, two hours, a day, a week, but if the question is lodged with us we will find him, and you will get an answer.

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INFORMATION CENTRE

The response to last week's announcement of the formation of the JOURNAL Information Centre has been even greater than we anticipated, and it is impossible to find space in the pages of this week's issue to answer all questions received to date. Rather than hold over replies for a week, we are answering personal questions through the post, and have selected those of most general interest for publication in these pages.

WINCHESTER.—Can you inform us which Government Department to apply to in relation to camouflaging buildings?
Also names and addresses of firms who carry out this class of work. Is it compulsory to CAMOUFLAGE in a neutral district?

London.—I am anxious to discover the various Government Departments who run a camouflage branch and the names of the chiefs of the departments.

GLASGOW.—Are there any openings to be found in camouflage work during the present emergency? We understand that the Air Ministry is at present training suitable people for this work.

COLCHESTER.—We should be glad if you could inform us of any publication on camouflage of buildings, and also whether it is possible to obtain coloured bricks which could be used for the erection of new buildings to fit in with a pre-arranged camouflage scheme?

The Admiralty, the War Office and the Air Ministry each has its own camouflage department, and communications should be addressed to the secretary of the department in the service concerned, since the names of the chiefs may not be made public. The Air Ministry has the largest camouflage department, because until recently it was in sole charge of this branch. Camouflage for industrial buildings of firms employed in war work is controlled from the camouflage department of the service concerned.

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Camouflage is only compulsory if a written notice to camouflage is received from the Ministry. The Minister may serve a notice on the occupier of any factory premises requiring him to camouflage the premises so they are less recognizable by aircraft in the event of hostile attack.

The Home Office has published A.R.P. Handbook No. 11: "Camouflaging of Large Installations." Price 3d. H.M.S.O.

There are various types of coloured brick that might be used for a prearranged camouflage scheme: Blue bricks; yellow stocks; red and other clay bricks; white and coloured sand lime bricks; coloured concrete bricks.

London.—Could you advise what is the best application that can be made to SAND BAGS for their preservation? A cement wash advocated in some quarters would probably harden and destroy the fibres. Is this so?

Messrs. Cuprinol are making a sand bag preservative for application to unfilled bags. If bags are already filled and in position, an application of creosote prevents vegetable growth and attack by vermin. Cement wash seals defects in the bags but does not improve the fibres.

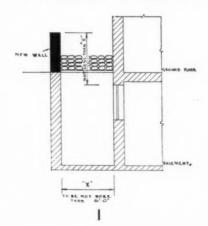
The best course is to buy ready proofed bags.

London.—We are building a BASE-MENT A.R.P. SHELTER to hold 250 people at a cost of £697; does this make us eligible for a grant?

A Yes, but it is necessary to prove this amount of money is being spent on the shelter.

B'HAM.—A basement to be used as a shelter has several LIGHT SHAFTS with pavement lights above. If the pavement lights are covered with 1 ft. 6 in. of sandbags in accordance with the required standard of overhead protection, can the outer wall of the light shaft be assumed to act as a screen wall?

A According to the exact wording of the Code, screen walls of this type seem to be permitted for ground-floor



shelters only, but it appears likely that the authorities will pass screen walls for basement shelters also, if they comply with the requirements. The walls of the light shaft should

not be more than 6 ft. away from the building, and they should project over the soffit of the lintol of the window opening to an extent equal to their distance from it, and if necessary they should project above ground level. The sheltering of pavement lights by I ft. 6 in. of sandbags seems to be insufficient, although this method is being used frequently. The possible debris load outside a multi-storey building is much higher than that inside (Fig. I).

KEW.—I would be glad if you could kindly inform me of the precise definition of the category "PUPIL ARCHITECT" in the Ministry of Labour Schedule of Reserved Occupations just published, and whether this includes Associates R.I.B.A.?

REDHILL.—Could you kindly inform me whether the term "Draughtsman" in the Schedule of Reserved Occupations includes architectural draughtsmen? Although it would appear to include all kinds of draughtsmen, I see Architects and Pupil Architects are reserved under a separate head from the ages of 30 and 25 respectively. I am not clear whether I am reserved or not, being under 25 but over 21.

Architects, assistant architects and draughtsmen are all in one category so far as reserved occupation is concerned, and are reserved if age 30 or over. This is in accordance with the latest Ministry statement published on Friday last.

LONDON.—I am undecided whether to advise my client to proceed with a COUNTRY HOUSE for which he has just signed the building contract. Can you tell me whether other architects are proceeding with work of this nature?

We understand architects who have work in the country where there is no labour shortage are carrying on, and we have heard of at least one private house commencing in the last week, and of several that, having begun, are continuing. There may, of course, be difficulties in obtaining certain materials, and substitutes may have to be found. The contractor will no doubt wish to secure his position, in the event of a rise in prices, by preparing a priced bill and inserting a clause in the contract to the effect that any extraordinary rise be met by the building owner. It seems inevitable that building prices will increase, and if the war goes on for any length of time houses will be at a premium as they were at the end of the last war.

MIDDLESEX.—As builder subscribers to your excellent weekly, we wish to make use of your Information Centre respecting two points:
(1) Are materials likely to be obtain-

able to enable NON-A.R.P. CON-TRACTS already in hand to be completed?

(2) If such supplies are not obtainable, what are the respective positions of (a) the employer, and (b) the contractor in regard to ultimate completion of the contract?

(1) Yes, subject to rise in prices and difficulties in transport. Timber and steel will probably be most difficult to obtain. (2) It is presumed that the contract between the employer and the contractor is in the R.I.B.A. form of contract (1931 or 1939), and that it contained no special condition providing for war contingencies. In that case the contract between the parties is binding on them, and the contract remains unchanged, not-withstanding the impossibility of obtaining materials. The contractor should apply to the architect for an extension of time in which to complete his contract by reason of force majeure.

LONDON .-- I have been asked to design a SHELTER for 400 people on the ground floor of a printing shop. There is a basement under the ground floor ear-marked for the shelter. However, as this basement contains heavy and important machinery, it seems to be out of the question to use it as a shelter. The shelter will be sub-divided into compartments for 200 people each by a division wall 24 in. thick, but I should like to know if I am required to carry the division wall down into the basement.

The function of a division wall is to prevent a bomb, exploding in one compartment, affecting people in the next compartment. If the division wall is not carried through into the basement a bomb can penetrate the floor of one compartment, explode in the basement, and thus affect the occupants of two compartments. It is therefore essential to carry such a division wall through to proper

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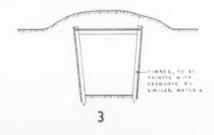
foundations, which should be at least 3 ft. below the level of the basement floor. If this is impossible in the particular case you have in mind, the part of the ground floor which has been chosen for the shelter is unsuitable for more than one compartment, accommodating 200 people (Fig. 2).

Brighton.—We entered into a contract in 1938 for a building scheme now almost complete except for sub-contractors' work. The sub-contractors are now asking SUPPLEMENTARY PAY-MENT TO MEET INCREASED COST OF MATERIALS AND LABOUR. The contract made no provision for war emergency. What is the position?

The contractor is bound by the contract and cannot demand any supplementary payment other than any payment that is expressly authorised by the contract. Sub-contractors demanding this extra payment are similarly bound by the terms of their contracts, which are presumably with the main contractor. We understand the emergency legislation makes no provision for altering terms of contracts of this nature. Nevertheless, under present conditions it is the duty of the building owner to meet the difficulties of the contractor in a reasonable way, irrespective of the strict letter of the law, and to come to a common-sense agreement. The whole question of existing contracts is under consideration by the R.I.B.A., who are obtaining legal advice, and who are also discussing the matter jointly with the National Federation of Building Trades Employers. A statement is anticipated shortly.

HERTS.—I have to provide TRENCH SHELTERS FOR A PRIVATE HOUSE. Official publications mention only steel and concrete as suitable materials for such trenches, but these materials are not readily obtainable at present, and several times I have been asked if timber would also serve this purpose. So far, I have refrained from using timber for this purpose, from fear of fire, but I should like to know if it can be used in such a manner.

The danger of fire in a trench shelter should be remote if such a shelter has



the required covering of earth to prevent the penetration of small incendiary bombs. Timber is highly resistant to ordinary fire, and it is almost inconceivable that a falling match or cigarette end could set a timber shelter ablaze. Timber seems to be a quite good material for use in shelters, but it is suggested that impregnated or creosoted timber be used, as this does not rot (Fig. 3).

LONDON.—The answer you give in your September 21 issue of the ARCHITECTS' JOURNAL to the question concerning the effect of a HIGH-EXPLOSIVE BOMB BURSTING IN THE VICINITY OF A BRICK STACK seems absurd. The vibrations set up by the explosion would certainly bring the chimney down. Will your expert give his reasons for his statement?

There are no proper tests in existence to show how a chimney would be affected by a bomb bursting at a distance of 25 ft., and, therefore, in the absence of such tests, the problem can only be considered from the theoretical point of view.

According to all that is known of explosions and of the behaviour of chimneys, the vibration of an explosion cannot bring about the collapse of a chimney. The natural collapse of a chimney. period of a chimney 330 ft. high is expected to be in the neighbourhood of 4 seconds. The vibration caused by detonation directly is infinitesimal, and even blast has a period of only about 1/20 second. It cannot be about 1/30 second. assumed that this vibration would cause any serious resonance in the chimney, especially as the intensity of blast is damped and becomes practically zero after the first two oscillations, i.e. after 1/15 second, by which time the chimney, having a period of 60 times this amount, would scarcely have commenced to vibrate.

Certainly explosions are irregular and there might be cases of a bomb exploding at a distance of 20 to 25 ft. endangering a chimney, especially if, owing to peculiar circumstances, the full force of blast should be directed against the chimney, but even in such a case as this it would hardly be due

to vibration.

Probably there is more danger to short chimneys from blast, than to tall chimneys, for the latter have enormous thicknesses of brickwork at the base, and the chimney in question should, according to London County Council Regulations, have a thickness of 80.5 in.

SAPPER.—I need some advice concerning ARCHITECTS AND MILITARY SERVICE. I am an architectural student in my second year at rth to all inhighly d it is falling set a seems d that ber be 3). give in of THE question HIGH-TING BRICK

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concern-MILIn archiyear at a School of Architecture. Together with a few of my fellow students, about last July I joined the "Terriers." I may say this was against my parents' advice. I am 17 years 10 months of age. Now that war has been declared I, with the other fellows, am in billets near -The question that worries my parents is the one of my career. They think I have thrown my career away and will lose all touch with my intended pro-fession, on which I was very keen. They have seen mention in the newspapers of exemption for architectural students and are in a quandary about My college is opening in October, me. My cottege is opening in October, and they feel that I ought to have left the "Terriers" alone as I had a five-year course ahead of me, but at the time it appeared the best thing for me to do as it appeared that the four years I would have spent in the "Terriers" before my Militia age would release me from the compulsory four years' service after the usual six months' training. The question to which I require an answer is: Does the architects' exemption affect me now that I am in the "Terriers?"

Your parents might make special application for your release from present duties, for continuation of studies until your age group is called up; but your release is unlikely. The newspaper reference to exemption was no doubt a premature announcement concerning pupil architects. It was made clear in the Press on Friday last that only over the age of 30 are architects in a reserved occupation.

A.R.P.Correspondence

SIR,—In these disordered times the A.A.S.T.A. is seeking for ways by which unemployment among architects and allied technicians can be reduced, while at the same time increasing the efficiency of the nation for the prosecution of the war. Its A.R.P. Committee, with which I am concerned here, are following this policy along two main

Shelters. The need for adequate airraid shelters is now more acute than it has ever been, and in a short time it will be an overwhelming public demand. By their training architects are pre-eminently suited to deal with such problems as this, but many of them are not yet fully acquainted with the specific technical problems involved.

The A.A.S.T.A. proposes, if the emergency regulations regarding public meetings do not prove an insuperable obstacle, to organize an intensive course of lectures on the subject. The lament-able strutted basements and street shelters (rarely the work of architects) which we see everywhere today are evidence of the need. The lectures will be given by well-known experts, and the syllabus, to be published next week, will cover all aspects of shelter design—in a technical and not a general way. The complete course of lectures way. The complete course of the subject. up to date in all branches of the subject. Evacuation. Though prodigies of organization have been performed it is quite clear that the condition of the evacuated population cannot be regarded as satisfactory. If the population in the reception areas is not to suffer seriously there must be a comprehensive programme for the building of new accommodation, and with this architects are intimately concerned. They would be of great assistance, too, in planning the more efficient utilization of existing accommodation.

My committee is continuing its study of the subject with a view to formulating proposals for submission to the proper authorities. We should be very grateful if those possessing information about conditions in the reception areas would communicate with Mr. R. W. Toms, 4 Lawn Crescent, Kew Gardens, Surrey (Richmond 2437). Such information could conveniently be given under the

following heads :-

(a) Existing buildings and the utilization of different types.

- (b) Communal feeding and social life as conditioned by accommodation.
- (c) The continuance of education and the suitability of existing schools.
- (d) The adequacy of health services.
- (e) Population and social characteristics of the district under discussion.

The solution of these problems will help both the profession and the public.

COLIN PENN Chairman, A.R.P. Committee (A.A.S.T.A.)

ArchitecturalFront

Mr. E. Stanley Hall, P.R.I.B.A., to serve on the General Council which will govern the affairs of the Duke of Gloucester's appeal for the Red Cross and St. John War Organization which the Lord Mayor is conducting from the Mansion House.

L.C.C. state large number of town planning and building regulation applications were in course of being dealt with at outbreak of war; this work has been proceeded with.

Mr. A. D. Swan, M.INST.C.E., has been appointed Regional Works Adviser for Civil Defence in Scotland, and has entered on his duties at 4 Douglas Crescent, Edinburgh 12 (Telephone No.

Mr. Swan will be available to help local authorities to organize civil defence works, whether of repair or of new construction, in respect of which the authorities desire assistance in view of the heavy demands on their resources.

R.I.B.A.

R.I.B.A. to be administered by an Emergency Executive Committee (Members of Executive who are within reach of town, augmented by R.I.B.A. Honorary Officials not already members of Executive).

Nearly all SCHOOLS OF ARCHITECTURE REMAINING OPEN; in some cases they are moving out of the vulnerable areas. R.I.B.A. feels that they should continue to hold examinations as long as possible, so that non-school students may have the same advantages as others in being able to take their examinations while waiting, perhaps, to be called up. Work of Board of Architectural Education will thus continue. Examinations to be held both in London and in Provincial centres, to minimize amount of travelling for students.

Library open for technical information. Proposed to maintain a MODIFIED LIBRARY SERVICE to include current periodicals and all books likely to be required by Students.

The R.I.B.A. Journal to be issued as long as possible, in order to retain contact with members.

Position of parties to CONTRACTS as AFFECTED by the outbreak of war; and suggested new Form of Contract suitable for war work: both these matters are in the hands of the Officers of the Practice Committee and the Contracts Tribunal; further information will be published later. will be published later.

Represented on all Government Committees affecting the BUILDING INDUSTRY including central committees dealing with, personnel and all problems of A.R.P.

UNEMPLOYMENT.—Institute (collaborating with A.A.) is endeavouring to arrange for employment of groups of architects working as teams in connection with A.R.P. work, and Government insurance scheme when this materialises. Architects' Benevolent Society also exploring the possibilities of finding work for architects. Proposed to urge that private

work in building industry may be encouraged as soon as urgent war work is disposed of.

Members aged 30 and over should notify R.I.B.A. from time to time not only of any CHANGE OF ADDRESS, but also of any appointment accepted or relinquished, in order that Register may be kept fully up to date, and that there may be a record of all members free or otherwise to accept employment as requests comes from Government or other authorities to the Ministry of Labour. Appointments Register of architects seeking employment to be maintained.

A.A.

Autumn term will reopen at Mount House, near Hadley Common and Woods, Herts, on October 2.

A special general meeting will be held at No. 36 Bedford Square, London, W.C.I, on Tuesday, October 10, at 2.30 p.m., for purpose of explaining activities of A.A. during wartime, including Group Scheme. Discussion.

(Architectural Association.)

I.A.A.S.

Continuing at 75 Eaton Place, W.1. Suspension of annual subscriptions of members in the Armed Forces to be discussed at a meeting to be held next week.

(Incorporated Association of Architects and Surveyors.)

A.R.C.

Continuing at 68 Portland Place, W.I. (Architects' Registration Council.)

I.R.A.

Emergency address: 59 Montagu Gardens, Wallington, Surrey (Wallington 3278). (Institute of Registered Architects.)

A.R.P.I.

Emergency address: 15 Ford Close, Ashford, Middlesex (Ashford 2186).

(Air Raid Protection Institute.)

INST. STRUCT. E.

Emergency address: "Cornerways," Speen, Aylesbury, Bucks (Hampden Row 66). December (1939) Examinations postponed. Institution's Examinations will, however, be held in 1940.

(Institution of Structural Engineers.)

D.I.A.

Closed down for indefinite period. Urgent communications to 6 Queen Square, W.C.1.

(Design and Industries Association.)

ROYAL SANITARY INSTITUTE

Work will continue to be carried out at 90 Buckingham Palace Road, Westminster, London, S.W.I, as possible. Office will be closed every day not later than one hour before sunset and will open earlier than normal if necessary. Should it become impossible to continue this arrangement, registered offices will be transferred to the Secretary's residence at "Darroch," Harrow Road West, Dorking, Surrey (Dorking 2877).

A.A.S.T.A.

Emergency address: 53 New End, N.W.3. (Association of Architects, Surveyors and Technical Assistants.)

INTERNATIONAL BUILDING CLUB

Continuing at 141 Park Lane, W.I. Association informs us that readers "will be welcome and to consider themselves as Honorary Members for the duration." to visit club at any time with guests and friends

BUILDING CENTRE

158 New Bond Street, W.1. Open: 10 a.m.-4 p.m. (Saturdays 1 p.m.).

GARDEN CITIES AND TOWN PLANNING ASSOCIATION

Emergency address: 10 Parkway, Welwyn Garden City, Herts, where Miss Baldwin, the assistant secretary, will be in attendance daily until further notice. Communications to the Editor of *Town and Country Planning* should also be addressed to the office at Welwyn Garden

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS

Emergency address: 3 Branstone Road, Kew Gardens, Surrey (Richmond 1576).

SOCIETY OF ANTIQUARIES

Continuing at Burlington House, Piccadilly, W.I. No ordinary meetings will be held at present; question will be reviewed by the Council at the beginning of next year. Library Council at the beginning of next year. Library will remain open for as long as may be possible, but will close at 4 p.m. during October and thereafter at 3 p.m. until further notice. Saturdays at 1 p.m. Books will be sent through the post to Fellows who cannot call at the Library, so long as there is sufficient staff to deal with their despatch. As far as possible, publications of the Society will be continued.

HOUSING CENTRE

Continuing at 13 Suffolk Street, S.W.1. Current Events: Exhibitions cancelled; Tuesday lunches to be carried on experimentally. September Bulletin summarises most important Acts affecting housing since outbreak of

Register

REGISTER now in hands of Ministry of Labour.

★ It is now being handled by the ARCHITECTS AND PUBLIC UTI-LITIES COMMITTEE, representing R.I.B.A., I.A.A.S. (acting also for Faculty of Architects and Surveyors and Institute of Registered Architects) and CHARTERED SURVEYORS' INSTI-TUTION.

Selection is confidential NAMES CANNOT BE PUBLISHED. We believe, however, that OVER 50 people have already been CHOSEN FROM IT FOR JOBS.

REGISTER STILL OPEN: for cards apply to Secretaries of abovementioned bodies. R.I.B.A. members should apply to that body; similarly I.A.A.S. and Chartered Surveyor Members to their Secretaries. This will avoid duplication of cards.

★ GIVE FULL DETAILS OF YOUR EXPERIENCE. If insufficient space on card, you are allowed to enclose additional note.

DON'T RING UP or write to the Ministry of Labour for information. Apply to your Secretary IN WRITING. Association HAN

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REGISTRATION DOES NOT PREVENT a person who has registered from accepting employment (including civil or military war service) in an occupation other than that in which he is or was normally engaged.

N.B.—Considerable doubt prevails as to what is meant by "reserving" architects, and what is the work for which they are reserved. Ministry of Labour recently published a revised Schedule of Reserved Occupa-tions in which Pupil Architects were reserved at the age of 25 and over, and architectural draughtsmen at 21, while reserved age of qualified architects remained at 30. These reservations made it impossible for younger and less experienced members of the profession to join the Armed Forces or to accept whole-time from the Armed Forces or to accept whole-time employment in any other capacity. Situation thus created appeared to be undesirable; as a result of representations to the Ministry of Labour, the age limit for all persons in the architectural profession has been fixed at 30. This means that no architect of 30 and over will be accepted for whole-time war service unless the first the Armed Except the First Printle of the Printle he joins the Armed Forces or the Fire Brigade on the normal long-term service, or applies for war service "in scientific or professional occupa-tions in his scientific or professional capacity," e.g. in the R.E. or R.A. Survey Section.

Changes of Address ARCHITECTS AND SURVEYORS

ASHLEY, H. V., AND WINTON NEWMAN

"Frognal Dene," 100 Frognal, Hampstead, N.W.3.
(Hampstead 4035.)

AYRTON, MAXWELL
g Church Row, Hampstead, N.W.3. (Hampstead
3641.)

BAYNE, OSCAR A., and BUTLER, R. COTTERELL
5015.)

The Grange, Cockfosters, Barnet, Herts. (Barnet
5615.)

3641.)

BAYNE, OSCAR A., and BUTLER, R. COTTERELL
5 The Grange, Cockfosters, Barnet, Herts. (Barnet
5015.)

BENNETT, T. P., AND SONS
The Sycamores, 19 North Road, Highgate, N.S.
(Mountview 6081, 7691, 7692.)

BERRELEY-WILLS, G.
41 High Street, Marlow, Bucks.

BERNARD, OLIVER P., AND PARTNERS
Practice has been temporarily suspended. Any
queries relating to recent or current work should be
addressed to Marshall and Tweedy, of 51 Berkeley
Court, Baker Street; or Deane Anderson, A.R.I.B.A.,
a Glendower Place, S.W.7.

BILLEREY, FERNAND
37 Larpent Avenue, Putney, S.W.15. (Putney 4387.)

BETT, CHARLES
54 WAXWell Lane, Pinner, Middlesex. (Pinner 508.)

BRIGGS AND THORNELEY
28 Brunswick Street, Liverpool.

BROWNE, PERCY L., AND SON
21 Highbury, Jesmond, Newcastle-upon-Tyne.
(Jesmond 1078.)
CASTILE, SYDNEY E.
269 Burntwood Lane, S.W.17. (Battersea 3002.)

CANTHORNE, A. M.
312 Ferndale, Tunbridge Wells, Kent. (Tunbridge
Wells 408.)

CHERRY, H. G.
HORDSLI, LEONARD
58 Castellan Avenue, Romford, Essex. (Romford
926.)

CHILTON, ERNEST A.
Loxfield Chambers, Uckfield, Sussex.

CHICNALL, LEONARD
58 Castellan Avenue, Romford, Essex. (Romford
226.)
CHILTON, ERNEST A.
Loxfield Chambers, Uckfield, Sussex.
COLES, GRORGE
2 Selborne Avenue, Albany Park, Bexley, Kent.
(Bexleyheath 662.)
CROSS, K. M. B.
Greville House, Little Baddow, Chelmsford. (Danbury (Essex) 174.)
CULPIN AND SON
Long Ridge, Carbone Hill, Cuffley, near Potters Bar,
Middlesex. (Cuffley 2127.)
DOWTON AND HERSCH
107 Jermyn Street, S.W.1. (Whitehall 1182.)
EDLESTON, W. E., AND G. L. CADELL
104 Quakers Lane, Potters Bar, Middlesex. (Potters
Bar 2866.)
FARMER AND DARK
390 London Road, Earley, Reading. (Reading
615871.)
FOX, CHARLES W.
48 Attimore Road, Welwyn Garden City, Herts.
GALE, HEATH AND SNEATH
70 High Street, Esher. (London office, 15 New Bridge
Street, E.C.4, is still open.)
GUTTERIDGE AND GUTTERIDGE
31 University Road, Southampton. (Southampton

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Herts. New Bridge uthampton HAMMOND, JACK AND AUSTIN

44 Muswell Hill Road, N.W.10. (Tudor 2156.)

HABRISON, H. ST. JOHN, AND E. G. HABRISON
Eachway, Littlestone-on-Sea, New Romney, Kent.

HENNELL, SIDNEY T.
London Office closed down. Communications to
47 High Street, Bognor Regis. (Bognor Regis 916.)

HARVEY, MR. J. D. M., has removed his offices to:
Co E. H. Burgess, Ltd., Contractors, Great West
Road, Brentford, Middlesex. (Ealing 5290.)

HINDS, R. ALLSEBROOKE
Knoll Side, Esher Place Avenue, Esher, Surrey.
(Esher 196.)

HOOPER, BELFRAGE AND HOOPER
TWO Elms, Beckenham Place Park, Beckenham, Kent.
(Beckenham 4047.)

IMRIE AND ANGELL
Little Simors, Clare Hill, Esher, Surrey. (Esher
7700.)

REMATERS AND ROWLAND DURAND PLEDGE.

Little Simors, Clare Hill, Esher, Surrey. (ESher 770.)

JAMES AND BYWATERS AND ROWLAND PIERCE Hornbeams, Winnington Road, Hampstead Garden Suburb, N.W.2. (Speedwell 1089.)

JOHNSON, FRANCIS F. Craven House, High Street, Bridlington.

JOSEPH, MESSRS.
Leconfield House, Curzon Street, W.I.

KEY, WILLIAM D.
Cardington, Hall Lane, Upminster, Essex. (Upminster 364.)

KING, LAURENCE
The Wayside, Shenfield Common, Brentwood, Essex. (Brentwood 428.)

LANCHESTER, LODGE AND DAVIS

Bank Chambers, Carfax, Horsham, Sussex. (Horsham 1144.)

Bank Chambers, Carfax, Horsham, Sussex. (Horsham 1144.)

LAFORTAINE, LT.-COL. CART DE 3 Lisson Grove, N.W.1. (Paddington 3641.)

LAST, BERTRAM 90 Worcester Road, Cheam, Surrey. (Vigilant 0899.)

LAW, OLIVER Corner Cottage, Old Point, Middleton-on-Sea, Sussex.

LLOYD, A. P. 37 Beechwood Avenue, Finchley, N.3. (Finchley

37 Beechwood Avenue, 1359.)
MAUGER AND MAY
Mr. Mauger, 26 Pentley Park, Welwyn Garden City.
(Welwyn 816.) Mr. May : 21 Granville Road,
Barnet. (Barnet 2465.)
NIELD, G. E. AND SON.
17 Weech Road, Hampstead, N.W.6. (Hampstead

Barnet. (Barnet 2405.)
NIELD, G. E. AND SON.

17 Weech Road, Hampstead, N.W.6. (Hampstead 5360.)
NEWTON, WILLIAM G., AND PARTNERS
Old Rectory, Manningford Abbas, Marlborough, Wilts.
NICKSON, RICHARD
Hinderton Lodge, Hinderton Road, Neston, Wirral, Cheshire. (Neston 159.)
NORMAN AND DAWBARN
Julian Hill, Brooklands Road, Weybridge, Surrey.
(Weybridge 2344.)
NORTH, E. S.
Woodside Road, Beaconsfield, Bucks.
O'DONOGHE AND HALFHIDE
CIJBA Laboratories, Wimblehurst Road, Horsham, Sussex. (Horsham 1132.)
PALMER-JONES, W.
Spreakley, Frensham, Surrey.
PAXTON, WATSON AND SON
Redcourt, Crawley Down, Sussex.
PEARSON, GEORGE, AND SON
162 Hamilton Avenue, North Cheam, Surrey.
PITE, SON AND FAIRWEATHER
16 Market Square, Westerham, Kent. (Westerham
17 Market Square, Westerham, Kent. (Westerham
18 Market Square, Westerham, Kent. (Westerham
19 Market Square, Westerham, Kent.
19 TICKARD, R. L., & CO.
Wolsey Road, East Molesey, Surrey.
REDGRAYE, G.
16 The Quadrant, Warwick Road, Coventry.
RICHARDSON, E. E., AND DAYIS
Sy Marsh Lane, Mill Hill, N.W.7. (Mill Hill 1833.)
RIGHTON, C. S.
Brookfield, Ley Hey Park, Marple. (Manchester Office.)
ROBSON, P. A. A. AND RAY RESIDENCE TO C. (Tidez.)

Brooks, Office.) SON, P. A. Partmo outh Row, Blackheath Hill, S.E.10. (Tide-

at Dartmouth Row, Blackheath Hill, S.E.10. (Tide-way 1183.)
ROWSE, HERBERT J.
Chapel House, Puddington, Wirral, Cheshire.
(Burton 223.)
ROSCOE, FRANK
23 Shrublands Road, Berkhamsted.
SEELEY, HON. JOHN, AND PAUL PAGET
16 Coulsdon Road, Coulsdon, Surrey. (Uplands 6678.)

SCOTT, SHEPHERD AND BREAKWELL
The Pond House, Stoke Row, near Henley-on-Thames.
SMEE AND HOUCHIN
21 Gills Lane, Radlett, Herts. (Radlett 6976.)
SMITHERS, ALEX.
Water House, Bishop's Stortford, Herts. (Bishop's Stortford 816.)

Water House, Bishop's Stortford, Herts. (Bishop's Stortford 816.)

SWAN, EDWARD A. Briars, Forest Row, Sussex.

THOMAS AND THOMAS
Linga, Antoneys' Corner, Pinner Green, Middlesex. (Pinner 1348.)

URQUHART, R. B. Sebere (Coastal Chambers, S.W.I.)

DRAY, B. Sebere (Coastal Chambers, S.W.I.)

Drawing Office: 151 Friern Barnet Lane, Whetstone, N.20 (Hillside 2946). Surveyors' Department, Desmond House, Romanhurst Avenue, Bromley. (Ravensbourne 5151.)

WESTWOOD, P. J. AND SONS

Nutfield, Heath Road, Weybridge, Surrey. (Weybridge 182.)

WILLAN, W. S.
23 Dane John, Canterbury.

WIGHT, LAWBENCE
10 Blomfield Road, W.9. (Abercorn 4670.) As from September 30.

WILLIS, ARTHUR J., F.S.I.
3 Denbigh Road, West Ealing, W.13. (Perivale 2865.)

Materials

BRITISH INDUSTRIES FAIR, which was to have been held in London and Birmingham in February, 1940, is cancelled.

Basic prices of COPPER reduced as from September 23:-

Plain plates £89 10s. per ton basis, with usual trade extras.

Rods £87 per ton basis, with usual trade extras.

Sheets £87 per ton basis, with usual trade extras.

Prices subject to 21 per cent. discount to buyers.

Decision of National Joint Council regarding time lost by building opera-tives through air-raid warnings or air raids made on September 19.+

Changes of Address

MANUFACTURERS AND AGENTS

ADAMSEZ LTD.
York Cottage, Holdfast Lane, Haslemere, Surrey.
(Haslemere 920.)
ALPHA CEMENT, LTD.
The Club House, Coombe
Thames. (Kingston 2140.)

ARCHITECTURAL ADVERTISING, LTD.
70 Addison Way, N.W.II. (Speedwell 2737.)
ASCOT WATER HEATERS, LTD. 255 North Circular Road, Neasden, N.W.10. (Willesden 5121.)
A.T.A. ADVERTISING,

A.I.A. ADVERTISING,
c/o Mr. E. J. Fox, 499 Wherstead Road, Ipswich,
Suffolk. (Ipswich 3850.)

ATHENA COMPOSITION FLOORING Co.
3 Waldegrave Park, Twickenham, Middlesex.
(Popesgrove 4883.)

(Popesgrove 4883.)

BAKELITE, LTD.

Brackley Lodge,
(Brackley Lodge,
(Brackley 1, 142-145.)

Rorthants.

BRAITHWAITE & CO.
Neptune Works, Newport, Mon.

BRIGGS, WILLIAM, AND SONS, LTD.
37 Prentis Road, Streatham, S.W.16.

BRITISH ALUMINIUM CO., LTD.

Head Office: The Raven Hotel, Shrewsbury.

(Shrewsbury 2067-2068.)

BRITISH MSULATED CABLES, LTD.

Fairmile House, Cobbam, Surrey.

(Cobham 2893-2894.)

BRITISH MAGNESITE FLOORING CO.
25 Waverley Avenue, Sutton, Surrey. (Bermondsey 3031.)

BOTTISH DESIMERONCED CONCESTE ASSOCIATION

BRITISH MAGNESITE FLOURING
25 Waverley Avenue, Sutton, Surrey. (Bermondsey 3031.)
BRITISH REINFORCED CONCRETE ASSOCIATION Irwin House, De Tillens Lane, Limpsfield, near Oxted, Surrey.
BRITISH STELL PILING CO., LTD.
Claydon, Suffolk.
BUILDING INDUSTRIES SERVICES, LTD.
191 High Holborn, W.C.I. (Holborn 7666.)
CEMENT MARKETING CO.
SAXA WORKS, Coldham Lane, Cambridge.
CARRIER ENGINEERING CO.
Bolney Court, Bolney, Sussex. (Bolney 42-432).
CEMENT AND CONCRETE ASSOCIATION
Lincoln Buildings, 15 Turl Street, Oxford. (Oxford 47952.)

Lincoln Buildings, 15 Turl Street, Oxford. (Oxford 47952.)

CEMENT MARKETING CO., LTD.
SAXON Works, Coldhams Lane, Cambridge. (Cambridge 54275.)

CLAY PRODUCTS TECHNICAL BUREAU OF GREAT BRITAIN 191 High Holborn, W.C.I. (Holborn 7666.)

COMBUSTIONS, LTD.
Southfields Engineering Works, 19 Fairfield South, Kingston. (Kingston 6384.)

CONCRETE, LTD.

Green Lane, Hounslow West, Middlesex. (Hounslow 617.2.)

CONCRETE PILING. LTD.

Concrete Piling, Ltd. 6 Craven Road, Addiscombe, Surrey. (Addiscombe

Green Lane, Hounslow West, Middlesex. (Hounslow 6172.)
Green Lane, Hounslow West, Middlesex. (Hounslow 6172.)
CONCRETE PILING, LTD.
6 Craven Road, Addiscombe, Surrey. (Addiscombe 1944.)
CORREGARD INFORMATION AND RESEARCH BUREAU 99 Elwill Way, Beckenham, Kent.
CRITTALL MANUFACTURING CO., LTD.
Head office at 210 High Holborn (Hol. 6612) is open, and a reduced staff is in attendance to deal with all enquiries. Majority of the staff is at the Braintree Works, Manor Works, Braintree, Essex, (Braintree 106); others are distributed among their branch offices.
CRITTALL, RICHARD & CO., LTD.
4444 Upper Richmond Road, Barnes. (Prospect 3172), and I Grange Mansions, Totteridge Lane, N.20. (Hillside 2705.)
EMPIRE STONE CO., LTD.
Jarborough, near Leicester. (Narborough 2202.)
Telegrams, Empiristone, Narborough, near Leicester.
ERWIN, WASEY & CO., LTD.
Jarborough, near Leicester. (Narborough 2202.)
Telegrams, Empiristone, Narborough, near Leicester.
ERWIN, WASEY & CO., LTD.
Jarborough, near Leicester. (Prospect 1238.)
EKCEL ASPHALTE CO., LTD.
A Kingston By-pass, Hinchley Wood, Esher, Surrey. (Emberbrook 4152-3-4).
EKCEL ASPHALTE CO., LTD.

"Dunedin," Underwood Road, Caterham, Surrey. (Caterham 76.)
FRANKI COMPRESSED PILE CO.
Sunny Down, Court Hill, Chipstead. Surrey. (Downland 1426.)
FRANKE DIMPRESSED PILE CO.
Sunny Down, Court Hill, Chipstead. Surrey. (Branker, Herbert LTD.

"Wingate," Grange Road, Bramhall Lane, Stockport. (Bramhall 389.)
HARVEY, C. A., & CO., (LONDON), LTD.
Woodwich Road, S.E. 27.
HENLEY'S, W. T., Telegraph Works, LTD.
Milton Court, Westcott, Dorking, Surrey. (Dorking 3241.)
Telegrams, Henletel, Dorking.
HOLLAND AND HANNEN & CUBITTS, LTD.

1vy House, Inner Park Road, Wimbledon, S.W.19. (Putney 7771.)
HOLLOWA BROS. (LONDON), LTD.
The Priory, Wimbledon Common, S.W.19. (Wimbledon 3047.)
LC.I., THE KYNOCH PRESS
Witton, Birmingham. (Birchfields 4848.)
KEIR, J. L., & CO.,
Sanitary Fittings Department, 8 North Drive, Swern, Juries, Mildelesex. Glazed Bricks, Tiles, etc., Showrooms: 2 Cavendish Place, W.1. Terra C

DECISION OF THE NATIONAL JOINT COUNCIL (September 19, 1939) regarding TIME LOST THROUGH AIR RAID WARNINGS OR AIR RAIDS:—

(1) When, due to air raid warnings or to air raids, operatives are prevented from working during the normal daily hours as prescribed by the National Joint Council Agreement (i.e. the daily hours corresponding to weekly hours of 46½, 44 or 41½ according to the locality or the time of the year), then it shall be the duty of the employer, so far as possible and practicable, to provide facilities to enable the operatives to make up the time so lost, by working in that week or in the following week if still in the same employment) during hours before and after the normal starting and finishing times as prescribed by the Agreement.

if still in the same employment) during hours before and after the normal starting and finishing times as prescribed by the Agreement.

(2) Any such extra time worked before or after the normal starting and finishing time for the purpose of making up time lost shall be paid for at the appropriate overtime rates.

(3) The object of these provisions is that, under the present war-time conditions, the operative shall be enabled, so far as possible, to work the full normal number of hours per week (as prescribed and as above referred to).

(4) If, owing to air raid warnings or air raids it has been found impossible to work the total normal number of hours get week, then the employer shall pay (at the hourly rate applying to the district under the Agreement) for 50 per cent. of the time by which the total time actually worked falls short of the time which could have been worked within the prescribed working hours under the National Joint Agreement (as set out in (1) above), subject to the following provisos:—

(i) that payments due under this clause shall not exceed a (50 per cent.) payment for 8 hours in any one full working week as above referred to (i.e. the maximum actual payment would be 4 hours' pay);

(ii) that, in order to qualify for such payments, the operative must have reported for work by attending at the job each day during the normal working hours.

(5) The employment of any operative shall not be prejudiced by reason only of his arriving late to work in consequence of an air raid warning provided that his arrival is within a reasonable time after the "all clear" signal, having regard to traffic conditions and travelling distance.

(6) In the event of successive air raids or warnings during any day, of such a character that an operative considers it prudent not to journey to his work and elects to absent himself accordingly, then, upon reporting for work on the following day, such or a period exceeding 8 hours in any one week, and if it has not been possible to make up such time under (1) and (2) of t

McNulty, J. P., & Co., Ltd.
Accounts sent to: 36 Dartmouth Road, Ruislip. (Ruislip 4573.) Communications: Mr. J. P. McNulty, 12 Lancaster Road, Wimbledon, S.W.19. (Wimbledon 4555.)

don 4555.)

Moler Products, Ltd.
Hythe Works, Colchester, Essex. (Colchester 3191.)
Telegrams, "Furmol, Colchester."

Mond Nickel Co., Ltd.
Accounting Sales, Shipping (delete words inapplicable). Head Office, Clydach, near Swansea. (Clydach 101.) Telegrams Carbonyl, Clydach.

Mond Nickel Co., Ltd.
Administration and Secretarial, Cannon Hill, Bray Wick, Berks. (Maidenhead 1503.)

Natural Asphalte Mine-Owners and Manufacturers Council., The 91 Petty France, Westminster, S.W. (Abbey 1010.)

NEWALLS INSULATION Co.
Broxbournebury, Broxbourne, Herts. (Hoddesdon 2911.)

Penny, C. E., Advertising

2911.)
PENNY, C. E., ADVERTISING
53 Parade Mansions, Hendon Central, London,
N.W.4. (Hendon 2234-5.)
PINCHIN JOHNSON & Co.
Witley Court, Witley, Surrey. (Wormley 280-4.)

RAINFORDWARE, LTD.
Mill Lane, Rainford, near St. Helens. (Rainford 225.) RONEO, LTD. Hornchurch Road, Romford, Essex. (Romford 1060.)

SANKEY-SHELDON
Bridge House, Tadworth, Surrey. (Burgh Heath

SETCHELL AND SONS, LTD.
22 Coppetts Road, Muswell Hill, N.10. (Tudor 1183.)

ZZ COPPEUS NOAD, Muswell Hill, N.10. (Tudor 1183.)

SHARP BROS. AND KNIGHT, LTD.
BUTTON-ON-Trent. (Button 3350.)

SIGWART FIREPROSE FLOORS CO., LTD.
43-44 Franklin Close, Croxley Green, Watford.
(Rickmansworth 2268.)

SYNCHRONOME CO., LTD.
Sales, Service and Contracts Dept.: Abbey Electric Clock Works, Mount Pleasant, Alperton, Middlesex.

TRUSSED CONCRETE STEEL CO., LTD.
In order to avoid concentration and congestion in so important an area as Westminster, their staff has been decentralized. Address for postal purposes remains:
Horseferry House, Westminster, S.W.1 (Victoria 4477, 12 lines). Stenographers operating on each line to receive messages and distribute to appropriate officials.

TUNNEL PORTLAND CEMENT CO., LTD.

officials.

TUNNEL PORTLAND CEMENT CO., LTD.

Pitstone Works, near Leighton Buzzard, Beds.
(Cheddington 293.)

TURNERS ASBESTOS CEMENT CO.

"Broxbournebury," Broxbourne, Herts. (Hoddes-

"Broxbournebury," Broxbourne, Herts. (Hoddesdon agit.)
VAL DE TRAVERS ASPHALT PAVING CO., THE Merele Wood, Mount Harry Road, Sevenoaks. (Sevenoaks 1827–1828.)
WATSON AND SONS (ELECTRO-MEDICAL), LTD. 76 Castle Street, Reading. (Reading 3237.)
WOOD PRODUCTS, LTD. 4 Rosebery Avenue, New Malden, Surrey. (New Malden 2774.)
WOODALL-DUCKHAM VERTICAL RETORT AND OVEN CONSTRUCTION CO. (1920), LTD., THE Uplands, Epsom Road, Guildford. (Guildford 3267–8.)

CALLENDER'S CABLE AND CONSTRUCTION Co., LTD.

Are making only those changes in their organization which are necessary to meet present conditions. Their cable, cable accessories and engineering equipment factories are being kept in full production to a degree only limited by the recent official regulations. Head offices remain at Hamilton House, Victoria Embankment, E.C.4, where ample air-raid shelter facilities have been provided for the management and staff. Personnel in most departments there has been reduced by the calls of the Territorials and auxiliary services, but not sufficiently to disturb normal working and attention to customers' requirements.

LETTERS

SIR,—Those passengers waiting for a train who, after groping their way along dim, blue-lit platforms, have entered a cheerfully-decorated waitingroom will realize that the railways brightening-up campaign has produced results which are even more valuable now than in peace-time.

This example is one which I think the country in general might well follow. Bright, cheerful colours indoors would play an important part in keeping up our spirits, particularly in our homes, offices and factories.

All our interior quarters should be kept as bright, cheery and colourful as possible, in order to keep the "black-out" in its proper place outside.

> G. B. J. ATHOE, Secretary.

The Incorporated Association of Architects and Surveyors, 75 Eaton Place London, S.W.1.

A.A.S.T.A. TOUR

AST Friday fifteen architects dis-embarked from the Kaiser's old yacht at Newcastle. They were the members of the A.A.S.T.A. tour to Russia. Here are notes of one of them:

Everywhere we had been welcomed by architects and town-planners, and we had enjoyed many discussions on all aspects of architecture and planning.
Style was the subject of many heated arguments

and many of us learnt one important thing, that the usual criticism made in England is unreasonable. Modern architecture as we understand it here cannot be produced by a understand it here cannot be produced by a revolution over-night. We are inclined to fool ourselves that because a limited number of rich men combine with a limited number of whimsy architects to produce a few precious buildings and subsequently take expensive photographs of them, that our architecture is pretty advanced. We should not forwer that event forther than the superstant of the architecture is pretty advanced. We should not forget that, except for these forerunners, the architectural style as desired by the masses in this country is no better than that demanded by the Russians, and as the ordinary Russian

hand, many of us were convinced that as building technique and culture improves their style will develop quite logically, and more exciting still is the knowledge that it will have grown within the limits of the people's minds: while I venture to think that our middle class will still like Tudor match-boarding, and our working-class will still believe that L.C.C. Georgian is the proper thing. The Russian architects insisted that development must be related to the culture of development must be related to the culture of the people, and that they would not allow themselves at the moment to superimpose any abstract architectural ideas purely in order satisfy individuals' ambition to express mselves. In fact, they could not do this on themselves. In fact, they could not do this on account of the social condition of the country. The problem at the moment is to accomplish quickly the backbone of a colossal building programme so that the actual forms of social levelopment may take place.

This task falls to a limited number of literally

inexperienced architects and technicians, who must make a choice between erecting an inadequate number of good buildings and an adequate number of unrefined buildings, and it is difficult for one nurtured in a capitalist country to realize that the latter is the only choice in the Soviet Union.

One would imagine from this that they would hardly have time to entertain us, but they did, hardly have time to entertain us, but they did, and extremely well, giving up a great deal of time to discussion over champagne teas and motor bus excursions to buildings, and if they did hide things from us, it was very cleverly done. News of war reached us on our return to Moscow from the Ukraine, and the British Embassy advised us to return via Finland, Sweden and Norway. This meant extra expenditure, and there was a general rush to the second-hand shop to exchange clothes, fountain pens and watches for fabulous sums of roubles; some of the tourists were able to fly roubles; some of the tourists were able to fly home on their overcoats. The rest went either via Finland or Soviet boat to Stockholm and on to Oslo.

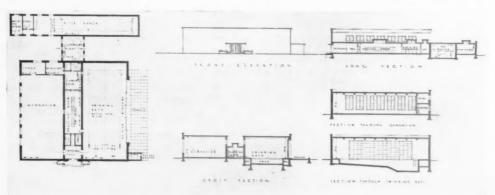
Bergen, the only port still open to shipping, was full of people, and we stayed in a little mountain village called Geilo. It looked as though we should be in this delightful village for some weeks as the shipping company could only afford to pay the insurance on their smallest boats. With the grim thought of this risky journey ahead, we decided that if these risky journey ahead, we decided that if these should be our last days, at least they must be good ones. As architects, we might have dreamed the time away, but there were students, doctors, a taxi driver, and some forceful trade unionists, and together we organized discussions, social evenings, whist drives, rambles and a wall newspaper, but no such form of organization can cover finance, and we still had to apply to the British Consul for money when we needed a smoke or hair-cut.

a smoke or hair-cut.

In the middle of a football match news came of fifteen places on a boat—the architects were exactly this number—and we left this pleasant backwater, and arrived in England just in time to collect our instruments from abandoned offices, but just too late to get A.R.P. tin hats.

COMPETITION FOR CONSTABULARY HEADQUARTERS, HUTTON

is a supreme force in the social development of his country, it is not surprising that we did not see any "High Points." But, on the other



Winning design, by J. C. Prestwich and Sons: Plans, elevation and sections of the rifle range, gymnasium and swimming bath. See also pages 409 and 410.

GUILDHALL, CAMBRIDGE

DESIGNED BY C. COWLES-VOYSEY



PRINCIPAL ENTRANCE; BELOW, MAIN FRONT.

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See 410. GENERAL AND SITE—The Guildhall occupies an island site overlooking Market Hill, where the administrative offices of the town have been situated for several hundred years. The available ground was found to be somewhat small in area for the accommodation now required by the Corporation, and much-needed street widening was found to be impossible. The planning problem presented was complicated not only by the lack of space available, but also by the fact that a scheme for the ultimate rebuilding on the whole of the site was required which could be built in two sections and temporarily connected up to certain of the old buildings. The new buildings contain administrative offices for the usual local government departments, a Council Chamber and Council suite, and also Police and Sessions Courts with the usual accompanying accommodation. The old buildings which have, for the time being, been retained are the Assembly Hall, known as the Large Room, and a branch library. It is proposed ultimately to demolish these buildings and build a new Assembly Hall with considerably increased capacity. When completed the building would form a unified block with simple circulations and direct inter-communication between the various parts.

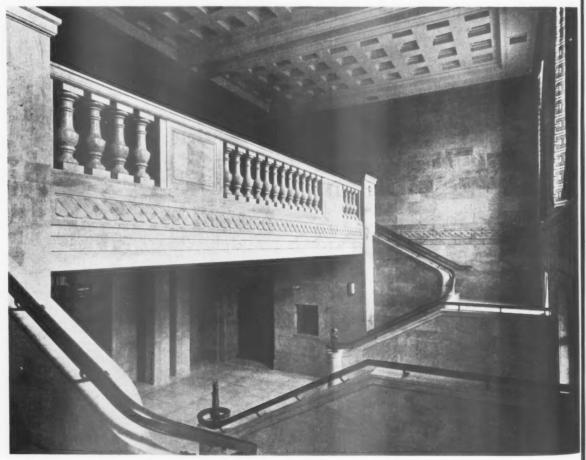
CONSTRUCTION AND EXTERNAL FINISHES—Steel frame and cavity brick curtain walls. Floors, roofs and staircases are of reinforced concrete, and the basement, which is tanked with asphalt, is also of reinforced concrete. The foundations needed special care, as they are in places below water level and running sand was encountered. The lowest storey, cornice and window dressings are of Clipsham stone, and a Stamford facing brick has been used in conjunction with this stone of a colour giving a very slight contrast. Bronze casement windows fixed direct to stone jambs have been used throughout; entrance doors are bronze. The roofs are covered with asphalt.



C

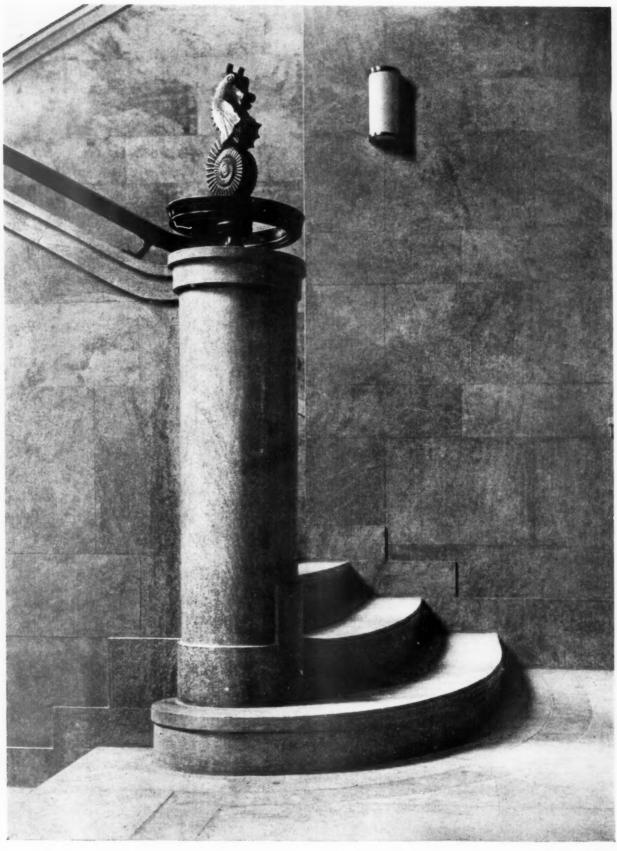


INTERNAL FINISHES — Flooring generally is teak block, walls plastered with a hard painted dado, and terrazzo has been used for floors and walls of lavatories and secondary staircases. Ancaster stone linings have been used for the main staircase, which provides access to the Council Chamber. This is lined with leather, and the joinery and fittings are in Australian walnut. Joinery in the Courts and Magistrates' Room is in oak, and English walnut panelling has been provided in the Committee Rooms, Town Clerk's Room and Mayor's Parlour.



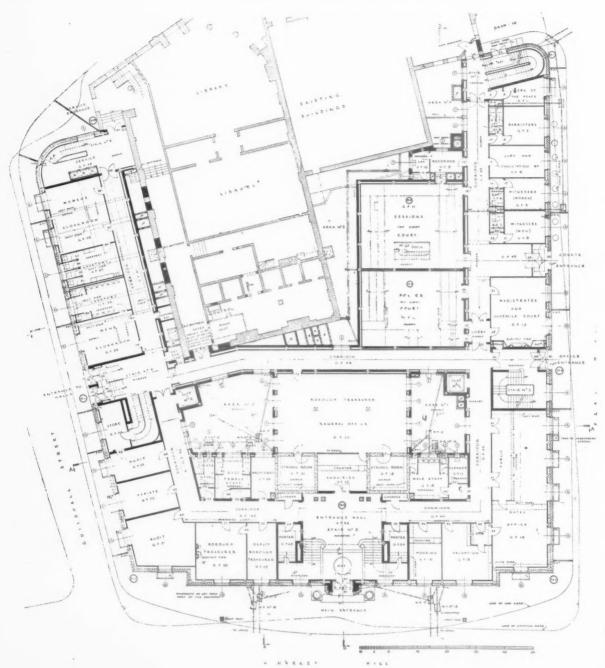
ENTRANCE HALL: TOP, FIRST FLOOR LANDING

GUILDHALL, CAMBRIDGE . DESIGNED BY C. COWLES-VOYSE



OYSEY

STAIRCASE DETAIL



GROUND FLOOR PLAN

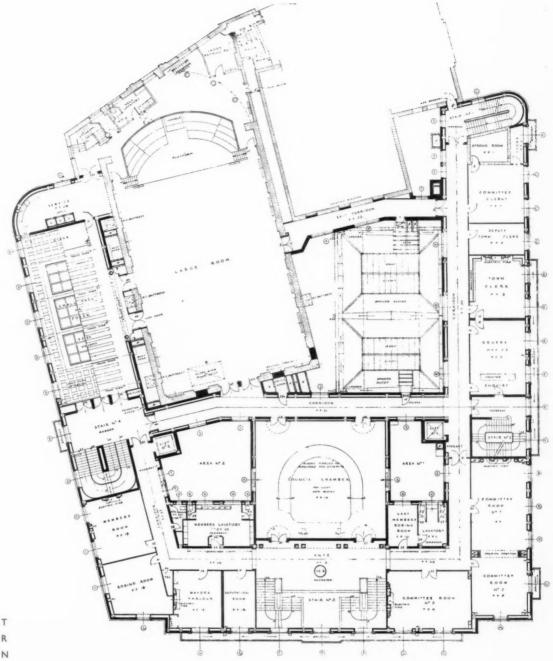


COMMITTEE ROOM



TOWN CLERK'S OFFICE

G U I I. D H A L L, C D E S I G N E D B Y C. C



FIRST FLOOR PLAN



POLICE COURT



COUNCIL CHAMBER

ALL, CAMBRIDGE BYC. COWLES-VOYSEY

DUND

OOR



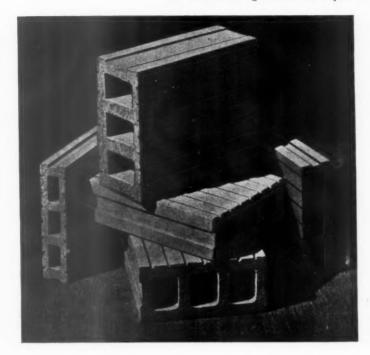
SERVICES—Heating is by low-pressure hot water through the medium of ceiling panels with gravity-fed coke-fired boilers. Electricity is obtained from the town mains, and there is secondary lighting from batteries. Synchronized electric clocks have been installed and also a system of inter-communicating telephones.

COST — The cost of the new building, apart from furniture, was approximately £160,000.

The general contractors were Foster and Dicksee; for list of sub-contractors, see page 428.



TOP, SESSIONS COURT; BOTTOM, COUNCIL CHAMBER.



TRADE NOTES

[By PHILIP SCHOLBERG]

Shatter Resisting Varnish

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ELLON, LTD., a name which most people know well enough if they take any interest at all in synthetic varnishes and aeroplane dopes, have now produced a shatter proof varnish as a means for reinforcing windows against blast. Two coats are necessary, and the result is a tough, elastic and almost colourless transparent film which does the same job as the now usual sticky tape without reducing the light transmission to anything like the same extent, in addition to which the glass is completely covered. The varnish is applied to the inner face of the glass, which should be quite clean and free from grease; either brush or spray can be used, and, when times are better, or the war is over, the varnish can be removed with Cerrux cleaner. Normally the varnish dries hard in about four to six hours, but it goes on getting tougher for several days; covering capacity is about 40 to 45 square yards to the gallon.

It should be understood that the varnish film not only increases the resistance of the glass, but prevents splinters from flying, rather after the manner of the original Triplex glass, which was made up of two thicknesses of glass with a celluloid sandwich in the middle. Considerable pressure was used to cement the two halves together, and this Cellon method may be looked upon as the equivalent of half a Triplex sheet. The price of the varnish is 15s. a gallon.—(Cellon, Ltd., Kingston-on-Thames.)

Insulating Partition Blocks

Newalls Insulation Company have just added an insulating partition block to their

range of insulation specialities. These blocks are made from the same materials as this firm's insulating bricks, and have very low figures for both heat and sound transmission. They are made in the usual hollow tile shape in the standard size of 12 by 9 inches, with thicknesses of 2, 2½, 3, 4 and 4½ inches. The top and bottom of each block are keyed for additional strength when erected, and the side faces are also keyed to provide a good plaster bond. Prices are low.—(Newalls Insulation Company, Ltd., Washington Station, Co. Durham.)

Life in a Shelter

With all the Home Office regulations for the construction of shelters nobody seems to have bothered to find out exactly what it is like for the occupants when the shelter has to be sealed against gas. Some tests, however, were carried out in April and May this year at the Dartford works of J. and E. Hall, and the results have been embodied in a 2s. book, published by H. K. Lewis. Tests were arranged by the staff of Messrs. Hall in collaboration with various members of the medical profession and of the department of industrial physiology of the school of Hygiene and Tropical Medicine. In an abbreviated form, the conclusions arrived at are as follows:—

1. Underground shelters of standard steel

I. Underground shelters of standard steel construction, designed for 50 factory workers, can be fully occupied for a period of two hours without ventilation, and with exits and entrances sealed against gas without any serious effects on the occupants, though some discomfort and mental impairment may be apparent towards the end of this period.

2. It is not necessary to close gas-proof doors until an alarm is given, and the tests carried out with these doors ajar show that the natural ventilation is enough to maintain comfortable conditions inside.

3. A small air filtration plant will allow these shelters to be occupied for longer periods without discomfort.

4. In fully occupied underground steel shelters, discomfort due to heat and moisture accumulation does not arise in a period of two hours, even though no ventilation is provided.

5. It appears that there is less likelihood of unpleasant concentrations of CO₂ in concrete than in steel shelters. This may possibly be due to the permeability of the concrete, or its capacity for absorbing the CO₂.

6. If a certain number of the people in the shelter must retain their full mental alertness, then it is desirable either that artificial air filtration and ventilation should be maintained, or that adequate oxygen should be liberated at hourly intervals, while the CO₂ may be partially absorbed by chemicals such as soda lime exposed in suitable containers.

From the architect's point of view, this booklet is interesting, but it is also of considerable importance to employers. Nearly all staffs have had a certain amount of practice at moving into a shelter after an alarm, but hardly any of them have the slightest idea of what it feels like to live with the exits closed for an hour or so. Sitting quietly and reading or playing cards, nobody seems to get uncomfortable, but anyone who has a job of any kind to do is liable to suffer from a headache, and a considerably increased respiratory rate. It is as well that these probabilities should be explained to staffs before they actually happen. In m sealed shelter it was found that a match would not burn after as short a period as one hour. Shelter occupants should be told to expect this sort of thing. My own short experience shows that a number of people are only too liable to panic, and they are likely to imagine that quite normal manifestations are certain to be the first warnings of the Führer's secret weapon. Which, by the way, is a gas which turns you blind and deaf at the same time, and you don't know till it's done it. This is direct information from my neighbour's char-woman.—(H. K. Lewis & Co., Ltd., 136 Gower Street, London, W.C.I.)

Living in the Country

Now that about half London seems to be living in the country, it may be worth mentioning that something can still be done about refrigerators, even if your cottage is miles away from a mains supply of any kind. To begin with, quite a number of shops sell those stone cooling cabinets, which will keep things cool, though of course nowhere near freezing. These vary in price from about 30s. to three or four pounds according to size, and they work in the same way as the Woolworth butter cooler. There is also the oil-operated model which Electrolux have been making for many years. This is a perfectly ordinary refrigerator which works in the same way as the gas-operated types, the only difference being that it is not quite so easy to control the freezing rate. For Londoners who cannot survive without urban amenities this is the right answer.—(Electrolux, Ltd., 155 Regent Street, London, W.I.)

Correction

The illustration which appeared at the head of these notes last week was unfortunately arranged so that it made more or less nonsense. If interested readers will take the trouble to turn the JOURNAL upside down they will find that the illustration is thereby seen right way up. Even if you then find that you can't read what I wrote about it, I can't see that it's anything to grumble about.

Dinner Cancelled

The British Electrical and Allied Manufacturers' Association announce that the annual dinner arranged for Thursday, November 16, has been cancelled.

THE BUILDINGS ILLUSTRATED

THE GUILDHALL, CAMBRIDGE (pages 421-426). Architect: C. Cowles-Voysey. General contractors were Foster and Dicksee, Ltd. The sub-contractors and suppliers included: Griersub-contractors and suppliers included: Grierson, Ltd., electric installation; G. N. Haden and Sons, Ltd., heating, hot water installation and ventilating; Dorman, Long & Co., Ltd., structural steelwork; Williamson, Cliff, Ltd., facing bricks: Carter & Co., and Clock House Brick Co., tiles; Art Pavements and Decorations, Ltd., terrazzo work; F. Harris, ancaster linings; Empire Stone Co., Ltd., artificial stone; La Brea Asphalte Co., Ltd., asphalt; Dunlop Rubber Co., Ltd., rubber flooring; Stevens and Adams, Ltd.; wood flooring; Stevens Fireproof Flooring Co., Ltd., fireproof flooring and Adams, Ltd., wood flooring; Siegwart Fireproof Flooring Co., Ltd., fireproof flooring; F. DeJong & Co., Ltd., fibrous plaster; May Acoustics, Ltd., acoustic work; J. and E. Hall, Ltd., lifts; Haywards, Ltd., skylights, pavement lights; Henry Hope and Sons, Ltd., laylights; Morris Singer Co., Ltd., bronze balconies and screens and doors; Garton and Thorne, Ltd., staircase balustrades; Laurence Bradshaw and John Brandon-Jones, models for bronzework; Eric Munday, inscription; Chatwood Safe Co. John Brandon-Jones, models for bronzework; Eric Munday, inscription; Chatwood Safe Co., Ltd., strong-room doors; Merryweather and Sons, Ltd., hydrants installation; Pontifex and Emanuel, sanitary fittings; Yannedis & Co., Ltd., ironmongery; James Gibbons, Ltd., cloakroom fittings; W. Larkins, flagstaff; cloakroom fittings; W. Larkins, flagstaff; G. H. Turner, amber glass and electric light fittings; Wm. Hill and Sons and Norman and Beard, Ltd., work to organ; Gillett and Johnston, Ltd., turret clock, master clock and trickle charge; R.M. Radio, Ltd., loudspeaker; Dictograph Telephones, Ltd., internal telephones; R. Fox and Sons, cellulose spray; Eaden, Lilley & Co., Ltd., roof blinds; Cox & Co., seating; J. P. White and Sons, Ltd., special joinery and furniture; Macdonald Gill, decorative map; Sidney Laughton, carpets; Waring and Gillow, Ltd., curtains; C. E. Welstead & Sons, Ltd., bronze windows.

National Federation of Specialists & Sub-Contractors

The Federation is continuing its work of watching the interests of members, particularly in regard to difficulties experienced in forms of contract, and in tendering advice on the course

of action to pursue.

Delegates of the Federation attended before the Joint Contracts Tribunal and proffered suggestions on the clauses affecting subcontractors and suppliers of goods. As a result

of the issue of the 1939 Main Form of Contract, the Standard Form of Sub-Contract will also have to be revised. Accordingly, suggestions for amendment have been invited from members, and the replies received are being considered by the Federation's solicitor. At meetings of the council, reports have been

submitted, as a matter of interest, on the proceedings at the recently concluded informal enquiry into the proposed scheme of insurance against inclement weather in the building industry. Owing to the conflicting interests of constituent associations, the federation was unable to interest itself directly in the scheme.

A suggestion was made by a constituent association that the federation could be of greater service to sub-contractors if a full-time executive officer or director were appointed. This suggestion received the closest consideration of the council, which came to the conclusion that it was not feasible to appoint a full-time director, but that members' interests might be more

but that members' interests might be more protected by the appointment of the federation's solicitor, Mr. K. Miller Jones, as director. A plan for reconstitution of the federation on this basis is being prepared for submission to the members for their consideration.

The decision of Marrison v. Bell was of great importance to all employers in this country. It was taken to apply to persons employed on a weekly or monthly basis, but it was recently learned that an hourly employee was instituting proceedings with a view to recovering full wages which he claimed should have been paid to him during sickness. The case has, however, been dropped for reasons unconnected with the case itself.

The attention of the federation has been drawn

The attention of the federation has been drawn to the fact that certain county and borough councils require contractors and sub-contractors to complete forms of indemnity which would appear to make the signatories responsible for losses incurred through circumstances over which they have no control.

which they have no control.

The federation, on behalf of some of its members who are deeply concerned, is pressing for the adoption in the South of England of the practice which obtains in the North and Midlands, whereby lump sum tenders may be submitted, and a detailed schedule required from the successful tenderer only. The practice of requiring the completion of detailed schedules by all tenderers involves an excessive and wasteful amount of labour.

Owing to the outbreak of war, the annual banquet fixed for November 27 will not take

Payments for Civil Defence Work

Statement by the National Emergency Com-mittee of the National Joint Council for the Building Industry in regard to payments due on civil defence and other work, issued last week' on civil defence and other work, issued last week Since there seems to have been some doubt as to the appropriate payments to be made in connection with civil defence and other similar work, the National Joint Council wishes to

1: That when and so long as building workers are under the direct control of local authorities for the purposes of carrying out duties as light and heavy rescue squads (as prescribed in Home Office Memorandum No. 2) the appropriate rates are as prescribed by the Construc-tional Trades Civil Defence Committee and issued by the Home Office to all local authori-

"In war-time, both light and heavy rescue parties will need to be maintained on a full-time paid basis in all areas to which whole-time rescue party personnel has been allocated. A shift system should be arranged so that throughout the 24 hours there are always rescue parties available to be called upon. The local authority will be responsible for providing facilities so that parties standing by for duty can obtain any necessary food and accommodation.

"The rate of pay in war-time for the whole-time members of a rescue party other than the foreman and three skilled men will be the rate applicable to whole-time members of air-raid precautions services generally, which it is contemplated will be £3 a week for men. The foreman and the skilled men will receive a rate broadly equivalent to the normal weekly remuneration of a skilled operative."

That in respect of all other civil defence work, on which building workers are engaged as such, the wages payments and allowances applicable shall be those prescribed by the National Joint Council agreement.

MANUFACTURERS' ITEMS

At a meeting of the board of the Ruberoid Co., Ltd., the undermentioned dividends were declared :-

declared:— 5½ per cent. redeemable cumulative preference shares: Interim on preference shares of 2¾ per cent. actual (6.6od. per share) less income tax at 5s. 6d. in the £ for the half year ended September 30, 1939.

Dividend to be paid on September 30, 1939, to all shareholders whose names appear on the company's register at the close of business on September 15, 1940.

Ordinary shares: Interim on ordinary shares of 3 per cent. actual (7.20d. per share) less income tax at 5s. 6d. in the £, on account of the

year ending December 31, 1939.

Dividend to be paid on September 30, 1939, to all shareholders whose names appear on the company's register at the close of business on September 15, 1939.



BOYS CLUB. NOICH AMPTON

From the R.A. Exhibition recently held at Burlington House. Boys' Club Northampton. By Dalgliesh and Pullen. Perspective by R. Myerscough-Walker.

FIRE-RESISTING FLOORS



SPECIALISATION

INSURANCE WITHOUT PREMIUM

Why:—

Accumulated Technical Knowledge Continuity of Experience Liaison with Authorities Undivided Responsibility Sufficiency of Appropriate Plant "Specialised" Craftsmen

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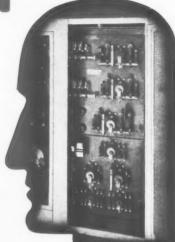


THE ASSOCIATION OF CONSTRUCTIONAL FLOOR SPECIALISTS

EFFICIENCY

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Ample power with perfect control and every possible safety device is the keynote of each H. & C. Lift installation. The reliability of H. & C. Lifts is expressed by the ever increasing number being installed in Hospitals.

We illustrate the new St. Richard's Hospital, Chichester, Architect: C. G. Stillman, F.R.I.B.A., which is equipped with

★I H. & C. Vernier Cushion Control Bed Lift. I H. & C. Standard Electric Goods Lift. I H. & C. Electric Trolley Lift.

Other Hospitals recently equipped with H. & C. Lifts are:

Botleys Park Colony Brompton Hospital Chelsea Hospital Devon Mental Hospital Cancer Hospital Hampstead Nursing Home Ltd.

North Middlesex County Hospital Plymouth City Hospital Royal Free Hospital Royal Masonic Hospital St. Helier Hospital St. Mary's Hospital Sherwood Park Clinic King George Hospital Upney Hospital

* We are the inventors, patentees and sole makers of the Vernier Cushion Control which enables the Lift to glide to a standstill.



HAMMOND AND

CHAMPNESS LTD. Blackhorse Lane, Walthamstow, London, E. 17

PRICES

The complete series of prices will consist of four sections, one section being published each week in the following order:—

- 1. Current Market Prices of Materials, Part I.
- 2. Current Market Prices of Materials, Part II.
- 3. Current Prices for Measured Work, Part I.
- 4. A.—Current Prices for Measured Work, Part II. B.—Prices for Approximate Estimates.

Prices vary according to quality and the quantity ordered.

Those given below are average market prices and include delivery in the London area, except where otherwise stated, but do not include overhead charges and profit. N the following pages appear Prices of Materials—Part I, with the prices, last published on August 31, brought up to date.

WAR NOTE.—Prices generally are subject to war clauses stated on quotations and contracts.

The cost of delivery will be effected by petrol rationing, though to what extent is not very evident.

Attention is drawn to the prices of mild steel rods and timber, which do not include delivery. These prices are maximum prices, controlled by the Government.

PART 1

The previous complete Supplement is contained in the issues of the JOURNAL for August 31, Sept. 7, Sept. 14, and Sept. 21.

CURRENT MARKET PRICES OF MATERIALS-I

BY DAVIS AND BELFIELD

CONCRETOR All delivered in pap			ments o the t	on) fr	ee and no	n-retu	rnable	
						0-ton f		
				4 To		iver T		
				and o		ndon		,,
Portland			per ton			38/€		
			per ton			44/6		
						***	,	
			per ton			on box	-1 44/	
Atlas White (1 barr	61 910 1	DS.)				er bar		-
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G-ltid bar	denina	D., 80		d ====		rds an	a over	
Colorcrete rapid has	raening	, Bun	and re	a per			_	
G 1 1 D 13 1		1.1	1.1		1 ton lo		101	
Colorcrete Rapid l	ardenii	ng Kn	акі	per	ton 89/-	- 0	19/-	
Colorcrete Rapid l					ton 112/-			
Colorcrete non rapi		ning			on from 1			
Snowcrete					ton and u			
					11-15 10			
				cwts.	cwts. c	wts. 1	ipware	18
Ciment Fondu,								
London area		pe	r cwt.	7/9	7/3	6/-	6/-	
A	ggregate	and a	Sands (Full !	Loads)			
2" Unscreened balls					per yard	cube	5/9	
1" (Down) Washed		hed a	nd gra	ded	1 3		-1-	
shingle			6.4		per yard	cube	6/-	
A					per yard		7/3	
2" Broken brick					per yard		10/6	
					per yard	cube		
					per yard	cube	5/3	
Washed pan breeze Coke breeze 1" to co	l.ant							
* Sharp washed	lust				per yard			
White Silver Sand					per yard	cube	8/-	
(For Sands for l	brickia	-		sterm	g see rest	ective	trade	8)
		P	avings					
Brick hardcore							2/9	
Concrete ditto							3/9	
Clean furnace clink		boiler	ashes				3/3	
Coarse gravel for p	aths		. %		per yard		6/9	
Fine ditto					per yard	cube	9/6	
Clean granite chip	pings				ре	er ton	18/6	
Red quarry tiles, 6	" × 6"	× 7"			per yard	super	6/-	
Ditto	$3'' \times 6''$	× 4"	• •				5/-	
Buff ditto.	3" × 6"	× 7"			per yard		6/6	
Buff ditto, O	3" × 6"	X 5"			per yard		5/6	
Hard red paving b	ricks	8				1,000		
Paring					Por	_,	2001	
Home trade maximum diameter and u	mum ba	asis pr	forcemerice for mills de	mild	steel rods	t"		
4.44						ton £1	0 19	6
Extras for :-	1.				Par			3
# and # diamete	er				per	ton	10/-	
diameter					per		15/-	
diameter					per		20/-	
# diameter	. 6				per		30/-	
Ill diminicipal					ber	UJ#	الم	

diameter						per ton	40/-
A' diameter				• •		per ton	60/-
Lengths of 40				• •		per ton	10/-
Lengths of 4	o it. to	ou it.		• •		per ton	15/-
Datandina lia		F 11		dries	-	72 3371	_
Retarding lic	for exp	osing a		ie)	10/-	Ex Warehous Southwark Drums ch	Bridg
Ditto.	(for ob		g a bon per gall		2/6	and credi	ted,
BRICKLA	YER						
			Common	n Bri	cks		
Rough stock						per 1,000	67/6
Third stocks						per 1,000	52/6
Mild stocks						per 1,000	69/6
Sand limes						per 1,000	50/-
 Phorpres p 	ressed l	Flettor	ns			per 1,000	46/3
* Phorpres k	eyed F	ettons				per 1,000	48/8
Blue Stafford	dshire w	rirecut	8			per 1,000	160/-
Lingfield eng	gineerin	g wire	cuts			per 1,000	95/-
Breeze fixing	g bricks					per 1,000	57/6
Firebricks, b	est Sto	urbrid	ge 21"			per 1,000	155/-
Firebricks, b	est Sto	urbrid	ge 3"			per 1,000	190/-
* At King	's Cross	. For	deliver	y in V	V.C. dis	trict add 4/3 p	er 1,00
* At King Sand Limes,	1		delivery and En				85/-
	No. 1	acing	and En	ginee	ring Br	icks	
Sand Limes,	No. 1 No. 2	acing	and En	ginee	ring Br	icks per 1,000	85/-
Sand Limes,	No. 1 No. 2 rustic F	acing	and En	ginee	ring Br	per 1,000 per 1,000	85/- 70/-
Sand Limes, Sand Limes, * Phorpres r	No. 1 No. 2 rustic Fi	acing	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000	85/- 70/- 66/8 75/-
Sand Limes, Sand Limes, * Phorpres r Midhurst W	No. 1 No. 2 rustic Fi hites	Facing	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000	85/- 70/- 66/8
Sand Limes, Sand Limes, Phorpres r Midhurst W Hard stocks Hard stocks Sand-faced,	No. 1 No. 2 rustic Fi hites , firsts , second	lettons	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000 per 1,000	85/- 70/- 66/8 75/- 93/- 86/-
Sand Limes, Sand Limes, Phorpres r Midhurst W Hard stocks Hard stocks	No. 1 No. 2 rustic Fi hites , firsts , second	lettons	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 per 1,000	85/- 70/- 66/8 75/- 93/- 86/-
Sand Limes, Sand Limes, Phorpres r Midhurst W Hard stocks Hard stocks Sand-faced,	No. 1 No. 2 rustic Fi hites , firsts , second hand-m	lettons is	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 for 1,000 from	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/-
Sand Limes, Sand Limes, Phorpres r Midhurst W Hard stocks Hard stocks Sand-faced, Sand-faced,	No. 1 No. 2 rustic Fi hites , firsts , second hand-m machin s (9‡-in.	ettons is lettens e-mad	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 from er 1,000 from	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/- 300/-
Sand Limes, Sand Limes, Phorpres r Midhurst W Hard stocks Sand-faced, Sand-faced, Red rubbers Uxbridge F	No. 1 No. 2 rustic Fi hites , firsts , second hand-m machin s (9‡-in.	ettons lettons ls nade re e-mad) hite)	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 from per 1,000 from per 1,000	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/- 300/-
Sand Limes, Sand Limes, Phorpres r Midhurst W Hard stocks Sand-faced, Sand-faced, Red rubbers Uxbridge F	No. 1 No. 2 ustic F hites , firsts , second hand-m machin s (9\frac{3}{4}-in. lints (w Flints	ettons lettons ls nade re e-mad) hite)	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 er 1,000 from per 1,000 per 1,000 per 1,000	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/- 300/- 67/6
Sand Limes, Sand Limes, Phorpres I Midhurst W Hard stocks Hard stocks Sand-faced, Sand-faced, Rad rubbers Uxbridge F Uxbridge	No. 1 No. 2 rustic Fi hites , firsts , second hand-m machines (9\frac{3}{2}-in. lints (w Flints 1,000	dettons ds hite) (crear	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 er 1,000 from per 1,000 per 1,000 per 1,000	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/- 300/- 67/6
Sand Limes, Sand Limes, Phorpres r Midhurst W Hard stocks Hard stocks Sand-faced, Sand-faced, Red rubbers Uxbridge F Uxbridge etc.) per	No. 1 No. 2 rustic Fi hites , firsts , second hand-m machins (9‡-in. lints (w Flints 1,000 concret	dettons detton	and En	ginee	ring Br	per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 per 1,000 er 1,000 from per 1,000 per 1,000 per 1,000	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/- 300/- 67/6 105/- 72/-
Sand Limes, Sand Limes, Phorpres r Middurst W Middurst W Hard stocks Hard stocks Sand-faced, Sand-faced, Red rubbers Uxbridge F Uxbridge etc.) per Dunbricks (Dunbricks	No. 1 No. 2 ustic F hites , firsts , second hand-m machin s (9\frac{1}{2}-in. lints (w Flints 1,000 concret (concret	dettons dis lade ree-mad hite) (crear e), mu te), m	and En	ginee	ring Br	per 1,000 from per 1,000 from per 1,000 from per 1,000 per 1,000	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/- 300/- 67/6 0 105/- 72/-
Sand Limes, Sand Limes, Phorpres r Midhurst W Hard stocks Sand-faced, Sand-faced, Red rubbers Uxbridge F Uxbridge etc.) per Dunbricks (Dunbricks Southwater	No. 1 No. 2 ustic Fi hites ,, firsts , second hand-m machins (9½-in. lints (w Flints 1,000 concret (concret concret	dettons dettons ds nade re e-mad) hite) (crear e), mu te), mu	and Ends e reds lti reds, ulti la. No. 1 (f	gineer ght ex wende	greys, ororks or, ex	per 1,000 for 1,000 from per 1,000 per 1,000 per 1,000 per 1,000 per 1,000	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/- 300/- 67/6 0 105/- 72/-
Sand Limes, Sand Limes, Phorpres r Midhurst W Midhurst	No. 1 No. 2 rustic Fi hites , firsts , second hand-m machins (9¾-in. lints (w Flints 1,000 concret (concret (concret ed) enginee	dettons dettons ds nade re e-mad) hite) (crear e), mu te), mu	and Ends e reds lti reds, ulti la. No. 1 (f	gineer ght ex wende	greys, ororks or, ex	per 1,000 for 1,000 from per 1,000 per 1,000 per 1,000 per 1,000 per 1,000	85/- 70/- 66/8 75/- 93/- 86/- 115/- 110/- 300/- 67/6

CURRENT PRICES

BY DAVIS AND BELFIELD

BRICKLAYER AND DRAINLAYER

BRICKLAYER—(continued)

White, Salt and Coloured Glazed Bricks (9" × 4\frac{1}{3}" × 2\frac{2}{3}")

The following prices are subject to $2\frac{1}{2}$ per cent. trade discount and $2\frac{1}{2}$ per cent. cash discount, and include delivery to any railway station (minimum 4-ton loads). Add 10/- per 1,000 for delivery in London area.

Prices per 1,000		White, Ivory and Salt Glazed					Buff, Cream and Bronze		Other Colours		All Colours				
	Best		Seconds		Best		Best		Seconds						
	10	a	d	e	e	d	e	s.	d	e	e	·	e	g.	-d
Stretcher, glazed	-	0.	u.	~	0.	u.	~	0.	· ·	~	130	٠	~	5.	-
one side	24	0	0	22	0	0	26	0	0	29	10	0	23	0	0
Header, glazed one															
end	23	10	0	21	10	0	25	10	0	29	0	0	22	10	0
Double stretcher, glazed two sides	32	10	0	30	10	0	34	10	0	38	0	0	31	10	0
Double header, glazed two ends	29	10	0	27	10	0	31	10	0	35	0	0	28	10	0
Quoin, glazed one side and one end	30	10	0	28	10	0	32	10	0	36	0	0	29	10	0

Limes and Sand

		Limes	and Sa	nd			
					1	1-ton lots	6-ton lots
Lime, greystone				per	ton	42/-	37/6
Lime, chalk				per	ton	42/-	37/6
Lime, blue Lias (neludi	ng paper	bags)	per	ton	47/6	42/6
Lime, hydrated (includi	ng paper	bags)	per	ton	47/-	42/6
Washed pit sand				per	yard	cube	7/6
(For cements,	see "	Concrete	or.")				

Hire of jute sacks charged at 1/6 and credited at 1/6. If left, charged at 1/9.

Sundries

Wall ties, self coloured	 per cwt.	19/-
Wall ties, galvanized	 per cwt.	24/6
Hoop iron, black	 per cwt.	25/-
D.P.C. states, size 18" × 9"	 per 1,000	150/-
D.P.C. slates, size 14" × 9"	 per 1,000	117/6
D.P.C. slates, size 14" × 41"	 per 1,000	59/-
*Ledkore D.P.C. Grade A	 per foot super	5d.
*Ledkore D.P.C. Grade B	 per foot super	61d.
*Ledkore D.P.C. Grade C	 per foot super	8d.

• Trade discount 5 per cent. and cash discount 5 per cent. Prices include delivery on minimum of £4 orders.

	9"×3"	9"×6"	9"×9"	12"×9	" 14"	×9"
Earthenware airbricks: red, blue, vitrified and buff terra cotta each	-/8	1/4	2/4	4/-	6	3/8
	9"×3"	9"×6"	9"×9"	12"×6	" 12"	'×9"
Black cast iron, School Board pattern airbricks						
Galvanized ditto per doz.	3/-	5/6	11/-	11/-	20)/-
Galvanized ditto per doz.	5/6	11/-	22/-	22/-	40	1-
Black hit and miss east iron ventilators						
per doz.	12/-	15/-	21/-	21/-	36	3/-
Galvanized ditto per doz.	24/-	30/-	42/-	42/-	72	3/-
	1' 0"	1' 6"	2' 0"	2' 6"	3' 6"	5' 0"
Buff terra cotta chimney						
pots each	2/6	3/-	4/4	5/9	13/4	22/6
Fireclay per ton	45/-					
Wall reinforcement suppli	ed in sta	ndard r	olls con	taining 2	25 var	ds lin.
2" wide black japanned	per ro	1 2/1)	Greater	widths	oro ra	ta 21"
2" wide galvanized 2\frac{1}{2}" wide black japanned	per ro	11 3/2	price	carriag	e pai	id on
21" wide black japanned	per roll	2/71	orders	of £5.	Disc	counts
24" wide galvanized	11	0/201	P			

Partitions

		2"	21"	3"	4"
Breeze	 per yard super	1/31	1/51	1/8	2/3
Clay tiles	 per yard super	2/3	2/6	2/9	3/1
Pumice	 per yard super	2/8	3/-	3/6	4/-
Plaster	 per vard super	2/3	2/9	3/3	4/-

BRICKLAYER—(continued)

Shepwood Partition Bricks size 9" × 2½" and 2½" on bed. Terms, as for Glazed Bricks

Prices per 1,000 except where stated per brick	White, and Salt Gl						Buff, Cream and Bronze		Other Colours Best		All Colours Seconds				
	Best		Seconds												
Double stretcher,	£	s.	d.	£	s.	d.	£	S.	d.	£	S.	d.	£	S.	d.
glazed two sides Single stretcher, glazed one side											0				0
	1	Eacl	1	1	Eacl	'n	1	Eacl	h	1	Eacl	h	1	Eacl	h
Round end glazed two sides and one end		-/10½		-/10		1/01		1/01		ł	-/10}				

Gas Flue Blocks

			Flues	Flues
Straight blocks		 each	1/1	1/11
Building in set		 per set of 3	2/8	4/10
Cover blocks		 each	1/5	3/-
Raking blocks 45°		 each	2/9	3/11
Raking blocks 60°		 each	1/11	2/10
Offset blocks		 each	3/4	4/10
Closer blocks	* *	 each	1/1	1/11
Closer flashing block		 each	1/-	1/8
Straight flashing blo	cks	 each	1/-	1/8
Terminal and cap		 per set	8/9	11/6
Middle terminal and	cap	 per set	6/3	10/9
End terminal and ca	ар	 per set	6/6	11/8
Corbel block		 each	4/10	3/2
Gathering block		 each	-	9/8

DRAINLAYER

Agricultural Pipes

2" Pipes in 12" lengths .. per 1,000 67/6 92/6 120/- 210/- (Delivered in full loads Central London Area.)

Salt Glazed Stoneware Pipes and Fittings

4"

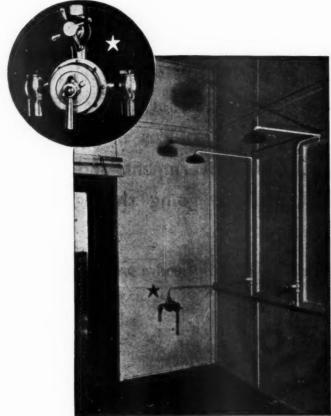
Pipes (2' lengths)			each	1/8	2/6	4/6
Bends, ordinary	* *		each	2/6	3/9	6/9
Single Junction, 2' long			each	3/4	5/-	9/-
Yard Gulley, without gra	ating		each	6/3	6/101	11/3
Ordinary round or squa	are Grat	ing,				
painted			each	-/71	1/8	2/6
Ordinary round or squa	are Grat	ing,				
galvanized			each	1/01	2/1	4/41
Extra for Inlets, horizon	tal	* *	each	1/6	1/6	1/6
Extra for Inlets, vertical			each	2/3	2/3	2/3
Intercepting Trap wit	h Stan	ford			,	,
Stopper	* *		each	17/6	22/6	37/6
Grease and mud intercer	otor with	buck	et for	removi	ng)	
silt and grease for 6",						20/-
grating, painted					٠٠٠ .	~
Ditto, with iron grating g	aivanize	OI.			each	21/10

The above prices to be varied by the following percentages for the different qualities given. All subject to $2\frac{1}{2}$ per cent. cash discount.

	British Standard	British Standard Tested
Orders for 2 tons and over	Less 20%	Plus 5%
Orders under 2 tons, 100 pieces upwards	Less 21%	Plus 221%
Orders under 2 tons, less than 100 pieces	Plus 7½%	Plus 321%

	Best	Seconds
Orders for 2 tons and over	Less 271%	Subject to 15%
Orders under 2 tons, 100 pieces upwards	Less 10%	off the price of
Orders under 2 tons, less than 100 pieces	Nett	best quality
		for all sizes

Warm water needs Thermostatic control



Courtesy of Stockport Corporation.

Leonard Valve on Showers in A.R.P. Cleansing Station

Warm water is required for cleansing in A.R.P. not for waste. If everybody is allowed to use the hot and cold ad. lib. to make his own blend of warm at the cleansing station, the hot water tank will soon be empty and those who come later will not get cleansed. It only needs one reckless or frightened user and the hot water tank will be cleared. A Leonard-Thermostatic Water Mixing Valve will avoid that. It will deliver a stream of water at the right temperature for cleansing and keep it there. It will do this, no matter what variations take place in the supply pressures. In A.R.P. stations the use of Leonard Valves obviates the need of cold water storage altogether. The temperature of the warm water can be fixed and the Valve locked at that point. Then nobody can alter it without authority. In this way the incessant waste of hot water that goes on when every user is free to play about with it will be avoided.

With a Leonard-Thermostatic

Water Mixing Valve, the temperature of the hot water in the tank can under suitable conditions be put up to 200°F, or anything short of boiling point without risk of scalding. Even if the cold supply were to fail altogether (and it may well do so in an emergency), the thermostat in the Leonard Valve will at once cut off the hot and no more than a trickle that will hurt nobody will come through. Putting up the temperature of the hot in this way increases the capacity of the station greatly. Obviously, a tank of water at 200°F, will provide nearly twice as much warm water as a tank at 120°F.

Leonard Valves have been specified by more than a hundred leading architects. They have been adopted as standard equipment by thirty County Councils and two hundred Municipalities.

SPECIFY

Leonard-Thermostatic

WATER MIXING VALVES for A.R.P. Cleansing Stations.

Send for illustrated pamphlet from manufacturers:-

WALKER, CROSWELLER & CO. LTD.

Telephone: Cheltenham 5172. Telegrams and Cables: Instrukemi, Cheltenham.

LONDON OFFICE: 6, GORDON SQUARE, W.C.1. TELEPHONE: MUSEUM 3107.



JOINERY FOR EMERGENCY WORK

Urgent orders for A.R.P. woodwork including gasproof doors for shelters, window and roof light black-out systems for offices and factories, and of course, joinery for Government and other essential building contracts are going through our shops at the present time.

Your orders for similar work will receive prompt and personal attention

R. CATTLE LIMITED

EVERITT ROAD

NORTH ACTON

LONDON, N.W.10





"Ribmet" Reinforcing Units have been designed specially to provide a speedy and efficient method of constructing in situ reinforced concrete lining for shelters, using the minimum of temporary timberwork. The shelters meet the requirements of the Admiralty, Air Ministry and Home Office.

Write for full details:

Air Raid Shelter for

Messrs. Macfarlane Lang & Co., Ltd., Osterley

Contractors: Tarslag Ltd., South Harrow

"Ribmet

REINFORCING UNITS

THE EXPANDED METAL CO. LTD.

Patentees and Manufacturers of Expanded Metal. Engineers for all forms of Reinforced Concrete and Fire-resistant Construction.

War-time Address: "DUNEDIN," UNDERWOOD RD., CATERHAM, SURREY WORKS: WEST HARTLEPOOL TELEPHONE: CATERHAM 76 ESTABLISHED OVER 45 YEARS

CURRENT PRICES BY DAVIS AND BELFIELD

DRAINLAYER AND MASON

DRAINLAYER—(continued)	DRAINLAYER—(continued)
Cast Iron Drain Pipes and Fittings	Channels in Brown Glazed Ware
Socket and Spigot Pipes:— Weight Size 9 fts. 6 fts. 4 fts. 3 fts.	4' 6' 9'
(per 9 ft.) each each	Half round straight channels 24' long each 1/8 1/101 3/4 Half round straight channels 30' long each — 4/2
1.1.8 4" per yard 6/2 6/11 11/- 8/4	Ditto, short lengths each 1/8 1/104 —
1.1.20 4" per yard 6/5 7/1 11/3 8/7 2.0.6 6" per yard 9/6 11/4 18/8 14/7	Half round ordinary channel bends each 1/10 2/9 5/0
2.0. 6 6 per yard 9/6 11/4 18/3 14/7 4.0. 2 9" per yard 17/3 22/7 39/2 29/10	Ditto, short each 1/101 2/91 —
Socket and Spigot Pipes :-	Ditto, long
Weight Size 2 fts. 18 ins. 12 ins. 9 ins.	6"×4" 9"×6"
(per 9 ft.) 1.1.8 4" each 6/11 6/2 5/5 4/11	Half round taper channels 24" long each 3/9 6/9
1.1.8 4 each 6/11 6/2 5/5 4/11 1.1.20 4 each 7/	Half round taper channel bends each 4/8½ 8/5½
2.0.6 6" each 10/11 — — —	The above prices are subject to the same discounts as those given for "Best" quality salt glazed stoneware pipes.
4.0. 2 9" each — — — —	
Tonnage Allowances :— Orders up to 2 tons nett.	Manhole Covers Black Galvaniae
Orders 2 to 4 tons less 21%	24" × 18" single seal for foot traffic. (Weight
Orders 4 tons or over less 5%	0.3.0 in lots of 24) each 14/6 25/9
Bends each 6/1 12/8 39/-	24" × 18" single seal for light car traffic.
3ingle junctions each 10/9 21/11 67/8	(Weight 2 cwt. in lots of 24) each 38/9 65/8 24" × 18" Wood Block pattern. For road
Intercepting traps each 36/7 46/10 121/11	traffic. (Weight 3 cwts.) each Coated 63/-
Gulleys ordinary trapped each 14/2 — — — — — — — — — — — — — — — — — — —	Fine Cast Galv.
Extra for inlet 4" each 3/8 — — Grease Gulley trap each 117/6 — —	Cast step irons, 13½ long, 6" wide, 9" in wall, approximate weight 5½ lbs. each per dozen 14/9 25/6
H.M.O.W. large socket gulley	approximate weight 34 los. each per dozen 14/8 25/6
trap with 9" gulley top and heavy	Galvanized fresh air inlets with cast brass
grating and one back inlet each 18/7 44/10 — Cast Iron Inspection Chambers	fronts (L.C.C. pattern) each 5/6 20/3
The larger figures below refer to	
the main pipes and the smaller	MASON
figures to the branches	Yorkstone
$4'' \times 4''$ $6'' \times 4''$ $6'' \times 6''$ $9'' \times 6''$ $9'' \times 9''$ Straight chambers with each each each each	Building quality Robin Hood and Woodkirk Blue Stone.
one branch one side 36/1 46/10 51/8 109/8 124/4	Blocks scrappled, random sizes per foot cube 4/6 Add for blocks to dimension sizes per foot cube 6d. (each
Straight chambers with	dimension
two branches one side	Templates with sawn beds, edges rough (up to 4 ft. super
Straight chambers with three branches in all 65/4 75/1 89/2 162/10 —	and not over 2' 6" long) per foot cube 5/- Templates with sawn beds, sawn one edge per foot cube 6/- Templates with sawn beds, sawn two edges per foot cube 7/-
Straight chambers with	Templates with sawn beds, sawn one edge per foot cube Templates with sawn beds, sawn two edges per foot cube 7/-
four branches in all 75/1 84/10 101/4 173/5 —	Prices f.o.r. Yorkshire, railway rate to London Station
Straight chambers with three branches one side 69/8 84/10 98/6 — —	per ton. (Minimum 6-ton loads.)
Straight chambers with	Ancaster Stone
four branches in all 79/- 94/7 110/8	
	Experience random blocks ner foot cube 18/6
Straight chambers with	Freestone, random blocks per foot cube 3/6 Brown weather bed stone selected for
five branches in all 88/9 104/4 122/10 — —	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/-
five branches in all 88/9 104/4 122/10 — — Straight chambers with six branches in all 98/6 114/1 135/— —	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/-Brown and blue weather bed stone
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/-
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/-Brown and blue weather bed stone
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads).
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads). White Mansfield Stone
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads).
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five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}d. per foot cube (minimum 6-ton loads). White Mansfield Stone Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube 8/6 Prices f.o.r. Mansfield, railway rate to London station,
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads). White Mansfield Stone Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}d. per foot cube (minimum 6-ton loads). White Mansfield Stone Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube 8/6 Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 Bath Stone
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads). White Mansfield Stone Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 Bath Stone Random blocks, delivered railway trucks, Paddington or
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}d. per foot cube (minimum 6-ton loads). White Mansfield Stone Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube 8/6 Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 Bath Stone
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five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}\text{d.} per foot cube (minimum 6-ton loads). **White Mansfield Stone** Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 **Bath Stone** Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10\frac{3}{4} **Portland Stone** Whitbed, in random blocks of 20 feet cube average,
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}d. per foot cube (minimum 6-ton loads). White Mansfield Stone Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 Bath Stone Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10\frac{3}{2} Portland Stone Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth
five branches in all	Brown weather bed stone selected for polishing all brown blocks
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five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads). **White Mansfield Stone** Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 **Bath Stone** Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10½ **Portland Stone** Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube 4/5 Basebed—add to the above per foot cube -/8
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads). **White Mansfield Stone** Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 **Bath Stone** Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10½ **Portland Stone** Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube 4/5 Basebed—add to the above
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads). White Mansfield Stone Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 Bath Stone Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10½ Portland Stone Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube 4/5 Basebed—add to the above per foot cube -/3 For every foot over 20 ft. cube average—add per foot cube -/1 For every foot over 30 ft. cube average—add per foot cube -/0½ **Thick Plain Marble Wall Linings**
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}\text{d. per foot cube (minimum 6-ton loads).} **White Mansfield Stone** Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 **Bath Stone** Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10\frac{2}{2} **Portland Stone** Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube 4/5 **Portland Stone** Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube -/3 **For every foot over 20 ft. cube average—add per foot cube For every foot over 30 ft. cube average—add per foot cube -/0\frac{1}{2} **Thick Plain Marble Wall Linings** Roman Travertine per foot super 5/- Golden Travertine per foot super 5/- golden Travertine per foot super 6/8
five branches in all	Brown weather bed stone selected for polishing all brown blocks
five branches in all	Brown weather bed stone selected for polishing all brown blocks
five branches in all	Brown weather bed stone selected for polishing all brown blocks
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/-Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}\text{d. per foot cube (minimum 6-ton loads).} White Mansfield Stone Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 Bath Stone Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10\frac{3}{2} Portland Stone Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube -/3 For every foot over 20 ft. cube average—add per foot cube -/1 For every foot over 30 ft. cube average—add per foot cube -/0\frac{1}{2} **Thick Plain Marble Wall Linings** Roman Travertine
five branches in all	Brown weather bed stone selected for polishing all brown blocks
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11½d. per foot cube (minimum 6-ton loads). **White Mansfield Stone** Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 **Bath Stone** Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10½ **Portland Stone** Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube 4/6 Basebed—add to the above per foot cube 7/3 For every foot over 20 ft. cube average—add per foot cube 7/3 For every foot over 30 ft. cube average—add per foot cube 7/0½ **Thick Plain Marble Wall Linings** Roman Travertine
five branches in all	Brown weather bed stone selected for polishing all brown blocks
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}d. per foot cube (minimum 6-ton loads). **White Mansfield Stone** Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 **Bath Stone** Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10\frac{3}{4} **Portland Stone** Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube 4/5 **For every foot over 20 ft. cube average—add per foot cube -/3 **For every foot over 30 ft. cube average—add per foot cube -/0\frac{1}{2} **Thick Plain Marble Wall Linings** Roman Travertine per foot super 5/- Golden Travertine per foot super 6/8 Roman stone per foot super 6/8 Roman stone per foot super 5/- Second statuary per foot super 4/6 **Second statuary per foot super 5/- Second statuary per foot run 1/6 **Copings and sills per foot run 2/4 **Priceal Stone** **Artificial S
five branches in all	Brown weather bed stone selected for polishing all brown blocks
five branches in all	Brown weather bed stone selected for polishing all brown blocks per foot cube 8/- Brown and blue weather bed stone selected for polishing per foot cube 7/- Prices f.o.r. Ancaster, railway rate to London Station approx mately 11\frac{1}{2}d. per foot cube (minimum 6-ton loads). **White Mansfield Stone** Random blocks (yellow bed) for dressings per foot cube Random blocks (hard middle bed) for steps, pads, pavings and copings per foot cube Prices f.o.r. Mansfield, railway rate to London station, 6 ton lots per foot cube 1/2 **Bath Stone** Random blocks, delivered railway trucks, Paddington or South Lambeth per foot cube 2/10\frac{3}{4} **Portland Stone** Whitbed, in random blocks of 20 feet cube average, delivered railway trucks Nine Elms, South Lambeth or Paddington per foot cube 4/5 **For every foot over 20 ft. cube average—add per foot cube -/3 **For every foot over 30 ft. cube average—add per foot cube -/0\frac{1}{2} **Thick Plain Marble Wall Linings** Roman Travertine per foot super 5/- Golden Travertine per foot super 6/8 Roman stone per foot super 6/8 Roman stone per foot super 5/- Second statuary per foot super 4/6 **Second statuary per foot super 5/- Second statuary per foot run 1/6 **Copings and sills per foot run 2/4 **Priceal Stone** **Artificial S

CURRENT PRICES

BY DAVIS AND BELFIELD

MASON, SLATER, TILER AND ROOFER, AND CARPENTER

MASON-	(continued)
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Reconstructed	Stone	to	match	Natural	Stone

Sills, lin	tols,	coping,	cornices,	ashlar,	etc., average size	
Window					per foot run	
99	99	7"×3"	section		per foot run	2/-

Slate Slabs, cut to size and Plan	ed		
	1"	11"	11"
Not exceeding 4' 6" long or 2' 3" wide		-	-
per foot super	3/1	3/4	3/11
,, 6' 6" long or 3' 3" wide			
per foot super	3/9	4/1	4/10
Exceeding 6' 6" long or 3' 3" wide			
per foot super	4/1	4/6	5/2
Rubbed faces per foot super	-/5	-/5	-/6
, edges per foot run	-/4	-/4	-/5

Combined Slate Cills and Window Boards for Metal Windows Straight Cills

12" wide for 9" walls	 per foot run	2/6
14" wide for 11" cavity walls	 per foot run	2/11
16½" wide for 13½" walls	 per foot run	3/6

SLATER, TILER AND ROOFER

Best Bangor Slates

								2	E.	d.	
24"	×	12				 per	1,000 actual	33	10	0	
22"	×	12"				 per	1,000 actual	27	19	0	
22"	×	11"				 per	1,000 actual	25	4	9	
20"	×	12"				 per	1,000 actual	24	14	6	
20"	X	10"				 per	1,000 actual	21	15	5	
18"	×	12"				 per	1,000 actual	20	19	3	
18"	×	10"				 per	1,000 actual	17	7	6	
18"	X	9"				 per	1,000 actual	15	11	9	
16"	X	12"				 per	1,000 actual	17	14	9	
16"	X	10"				 per	1,000 actual	15	11	9	
16"	×	9"				 per	1,000 actual	13	19	6	
16"	×	8"	4			 per	1,000 actual	12	1	11	

Prices include for delivery to site in lots of 1,000 and upwards.

Old Dalahala Slatas (fam)

Standard	sizes.	Oiu	Denaobie Si	aucs (J.v.	2.3	
	Prices	and	computed	weights	per	1,200.

Grey medium gradings	 per 1,200		866/-
Unselected greens (V.M.S.)	 cwts. per 1,200 cwts.	38 628/- 44	80 418/- 86

Random sizes

Prices per ton and compute	d covering	capacities	in	squares	per	ton
----------------------------	------------	------------	----	---------	-----	-----

			24"/22" to 12"/10"
Grey	 	per ton	128/-
Covering cap. :		(8" lap) (4" lap)	2.37 squares 2.19 squares

				No. 2 Grading 24"/22" to 12"/10"
Weathering	grey greens	(V.M.S.)	per ton	139/-
Covering	cap. :	per ton	(3" lap)	2.25 squares
		per ton	(4" lap)	2.08 squares

	per con (a mp)	2.00 squares
Weathering greens (V.M.S.) Covering cap.:	per ton (8" lap) per ton (4" lap)	No. 2 Grading 24"/22" to 12"/10' 149/- 2.25 squares 2.08 squares

					No. 2 Grading 24"/22" to 12"/10"
Rustic reds (V.M.S.)	(25%)	and	weathering	greens per ton	174/-
Covering of	ър. :			(8" lap) (4" lap)	2.25 squares 2.08 squares

Railway rate to Nine Elms, London, minimum 4 tons, 21/9, minimum 6 tons per truck, 18/1 per ton.

SLATER, TILER AND ROOFER-(continued)

Tiles			
	£	S.	d.
Hand-made sandfaced 101" × 61" red roofing tiles			
per 1,000	4	15	0
Machine-made sandfaced 101" × 61" red roofing tiles			
per 1,000	4	0	0
Berkshire rustic pantiles per 1,000	18	10	0

Westmorland Green Slates Bests, 24" to 12" long. Proportionate widths

	Computed cover in
Price	sq. yds.
per ton	per ton
240/-	80
215/-	27-28
197/-	25-27
197/-	25-26
216/-	27-28
214/-	26-28
202/-	25-27
/	
237/-	27
on, minimu	m 6-ton truck
,	
	Price per ton 240/- 215/- 197/- 197/- 216/- 214/- 202/- 237/- con, minimu

loads.				,			
	Asbe	stos-cem	ent				
6" corrugated							
sheets, grey				per yard sup	er	3/01	1
Standard 3" corrugated							
sheets, grey				per yard sup	er	2/91	
Slates :-							
151" × 77" grey				per 1,000	£6	3	9
15 x 15 diagonal, gr	rev			per 1,000	211	15	0
151" × 151" diagonal,		or brin	dled	per 1,000	£14	16	9
Pantiles.							
Large russet brown				per 1,000	£19	8	6
Prices are for minimum	um tw	o-ton le	nade	and are sub	iect	to 5	0/

trade discount. Cedar Wood Tiles

• Canadian cedar wood shingles .. per square 33/- (normal quantity). Prices include for delivery to nearest railway station in England but vary with quantity.

CARPENTER

The following timber prices are maximum prices to consumers at Port of London for Fourth White Sea Classification and include reloading on to transport at depot for orders of not less than £15 in value of any one size and quality. For sales less than £15 in value add 20 per cent.

On goods bought ex stock stored in inland yards (situated outside port area) sellers are entitled to add to the appropriate port prices cost of carriage from the port of entry, plus 20s. per standard.

Sawn Redwood, commonly known as Builders' yellow deal:

						Per		
						sta	inda	ard
						£	S.	d.
4 × 11 S	cantling	* *				23	7	6
$3/2\frac{1}{2}/2 \times 11$	44					23	7	6
$4 \times 10/9$	5.5					24	10	0
$3/2\frac{1}{2}/2 \times 10/9$	**					24	10	0
4 × 8	**					23	5	0
$3/2\frac{1}{2}/2 \times 8$	**					23	5	0
4×7	44					23	5	0
$3/2\frac{1}{2}/2 \times 7$	**					23	5	0
4×6	**	* *				22	5	0
$3/2\frac{1}{2}/2 \times 6/6\frac{1}{2}$	**	* *				22	5	0
2 in. and up × 5/51	**					22	5	0
$2/3 imes 3/4rac{1}{2}$	**		* *			22	5	0
	Boo	ards						
1 in. and up \times 11						22	17	6
1 in. and up \times 10/9						24	0	0
1 in. and up × 8						22	17	6
1 in. and up × 7						22	17	6
1 in. and up \times $6\frac{1}{9}/6$						22	12	6
1 in. and up $\times 5\frac{1}{2}/5$						22	0	0
1 in. and up $\times 4\frac{1}{2}/3$						21	2	6
No extra for $\frac{3}{8}$, $\frac{1}{2}$,								
Redwood and W	hitewood sle	ating be	attens (1	under 3	" wide	e)		
All 3", 1", 5", 3", 7"	and 1" ar	nd thic	ker. Sy	wedish	U/S.			
conond aloce						22	0	0

• Items marked thus have risen since August 31

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IMPORTANT ANNOUNCEMENT BY THE RUBEROID CO. LTD.

We wish to state that we have made no increase in the prices of our well known brands of RUBEROID, ASTOS, STAREX and PLUVEX ROOFINGS, ZYLEX SLATERS' FELTS and DAMPCOURSES, and that the prices of all our products remain as listed in our Price List published in March, 1939.

It will be the policy of the Company to continue to sell their products at the lowest possible prices.

THE RUBEROID CO. LTD.

LINCOLN HOUSE, 296/302 HIGH HOLBORN LONDON, W.C.1

BUILDING NEWS

Police Station. The Hampshire ANDOVER. C.C. has prepared revised plans for the erection of a police station and courthouse at Andover.

ANDOVER, School. The Hampshire Education Committee has approved plans for extensions at Andover grammar school.

BARNSLEY. Shelters. The Corporation is to prepare schemes for the construction of underground shelters.

BARNSLEY. Switch Room. The Corporation is to erect a new switch room at the power station.

BIRKENHEAD. Alterations, etc. Plans passed by the Birkenhead Corporation: Alterations, Palace Cinema, New Chester Road; 18 houses, Prenton Road; four houses, Rydal Avenue. BIRKENHEAD. Development. The Corporation has prepared a layout plan for the development of the Overd extent.

of the Orred estate. BIRKENHEAD. Tenements. The Corporation has asked the borough engineer to prepare a scheme for the erection of three-storey tenements in Watson Street.

BIRKENHEAD. Power Station. The Corporation BIRKENHEAD. Power station. The Corporation is to erect a new power station at Bromborough. BIRKENHEAD. Flats. The Corporation has requested the borough engineer to prepare a scheme for the development of the allotment

BIRKENHEAD. School, etc. Plans passed by the Corporation: Senior girls' school, Park Road, for Messrs. E. Kirby and Sons; 11 houses, Devonshire Place, for Mr. W. I. Jones; alterations, Masonic Temple, Clifton Road, for committee. committee.

committee.

BLACKPOOL. Houses, etc. Plans passed by the Corporation: 16 houses, Bangor Avenue, for Messrs. R. Fielding and Sons; 19 houses, Hathaway, for Mr. H. Eckersley; two houses, Warbreck Drive, for Mr. R. Jackson; house, Countess Crescent, for Messrs. T. Bannister

and Son; two bungalows, Wheatland Crescent, for Mr. J. H. Harrison; two houses, St. Michael's Road, for Mr. T. Foster; two houses, Preston New Road, for Messrs. A. and G. R. Preston New Road, for Messrs. A. and G. R. Fletcher, Ltd.; 16 houses, Darley Avenue, for Messrs. R. Mitchell, Ltd.; seven houses, St. Anne's Road, for Mr. W. Hornby; five houses, Birchway Avenue, for Messrs. W. Wilson and Son; two houses, Shaftesbury Avenue, for Messrs. G. Hodgson and Son; three substations for Radio Relays, Ltd.

stations for Radio Relays, Ltd.
BLACKPOOL. Development. Messrs. Welch and Cottrill have prepared plans for the development of land off Stanley Road and Faringdon Avenue, Marton, Blackpool.
BLACKPOOL. Shops, etc. Messrs. Derham Mackieth and Partners, architects, are to erect shops and flats at the junction of Common Edge Road and Bennetts Lane, Blackpool.
CARDIFE. Extension. The Corporation has

CARDIFF, Extension. The Corporation has obtained sanction to borrow £600,000 for the extension of the Roath power station.

CARLISLE. Crematorium. The Corporation is to obtain a report as to the advisability of

providing a crematorium.

CARLISLE. Extension. The Corporation is to proceed with the extension of the Willow

Holme power station.

CARLISLE. A.R.P. The Corporation is to provide shelters and trenches at the schools

at a cost of £27,250.

EFFORD. Reconstruction. Ltd., are to reconstruct the Kingsbridge Inn on a new site at Swilly, Plymouth, and the

London Mail Inn on a new site at Efford.

HAMPSHIRE. Extensions. The Hampshire
Education Committee has approved revised
plans for extensions at the Eastleigh secondary

ISLE OF WIGHT. Development. Mr. S. W. Wendes, architect for the Fernhill Estates, Ltd., has prepared plans for the development of the Fernhill estate, Wootton, Isle of Wight.
KINGSBURY. School. The Warwickshire Education Committee has obtained sanction to borrow £22,925 for the erection of a senior school at Kingsbury.

PADGATE, School, Lancashire Education Committee has purchased a site at Padgate for

PAGGATE. School. Lancashire Education Committee has purchased a site at Padgate for the crection of a senior school.

PORTSMOUTH. Church Hall, etc. Plans passed by the Corporation: Church hall, Eastney Road, for Messrs. Ellis and Son, Ltd.; two houses, Salisbury Road, Cosham, for Messrs. E. E. Wilson; shipbuilding sheds, Hamilton Road, Portchester, for Messrs. Vospers, Ltd.; four houses, Bell Road, Wymering, for Messrs. Carr and Bell; business premises and five flats, London Road, for Messrs. Lillie & Co., Ltd.; house, Carmarthen Avenue, for Messrs. W. H. Hellier, Ltd.; house, Portsdown Hill Road, for Mr. A. E. Hicks; offices, city airport, for Airspeed, Ltd.; additions, 201-9 Lake Road, for Messrs. Bromley Bros.; additions, hall, Fratton Road, for Portsea Co-operative Society, Ltd.; two houses, London Road, Cosham, for Mr. H. J. Clifton; 20 houses, Courtmount Grove, Cosham, for Mr. E. E. Wilson; four houses, Chatsworth Avenue, for Messrs. G. and W. Mitchell; works, Upper Swan Street, for Messrs. Palmer and Harvey, Ltd.; four houses, Garfield Road, for Mr. B. Davis; bank additions, 41 Palmerston Road, for Midland Bank, Ltd.; additions, Eastney Cellars beerhouse, Cromwell Road, for Messrs. J. J. Young and Son.

TOROUAY. Extension. The Corporation has

Son.

TORQUAY. Extension. The Corporation has appointed Messrs. Kennedy and Donkin as consulting engineers for the extension of the Newton Abbot power station, which is estimated to cost at least £500,000.

TORQUAY. Band Enclosure. The Corporation is seeking sanction to borrow £27,740 for the band enclosure scheme at Princess Gardens.

WINCHESTER. Alterations. The Hampshire C.C. has approved revised plans for alterations and additions at the Winchester institution.

WOOLSTON. School. Lancashire Education Committee has acquired a site at Woolston for the erection of a junior school.

the erection of a junior school.

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CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 45 The Avenue, Cheam, Surrey, and should reach there by first post on Monday morning for inclusion in the wing week's paper.

Replies to Box Numbers should be addressed care "The Architects' Journal," 45 The Avenue, Cheam, Surrey.

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CITY OF COVENTRY

CITY ARCHITECTURAL DEPARTMENT

The Corporation of the City of Coventry invites applications frcm qualified persons for the position of a Temporary Junior Architectural Assistant. The salary will commence at £200 per annum and, subject to satisfactory service, rise by annual increments of £15 to a maximum of £260.

The first increment will become operative on the 1st of April in each succeeding year until the maximum is reached. The appointment will be subject to one week's notice on either side. The successful applicant will be required to obtain a satisfactory medical certificate from the Council's Medical Referee.

Particulars of the duties and official forms of application may be obtained from the undersigned. Applications which must be on the official form, must reach the undersigned not later than Monday, October 9th, 1930.

Canvassing, directly or indirectly, will be a disqualification.

D. E. E. GIBSON, M.A., A.R.I.B.A., A.M.T.P.I City Archit

1a Warwick Row, Coventry. September 28, 1939.

Architectural Appointments Vacant

Advertisements from Architects requiring Assistants or Draughtsmen, and from Assistants and Draughtsmen seeking positions in Architects' offices will be printed in "The Architects' Journal" free of charge until further notice. Other "Appointments Vacant" and "Wanted" will be found under later headings, and are subject to the charges given under each heading.

Wherever possible prospective employers are urged to give in their advertisement full information about the duty and responsibilities involved, the location of the office, and the salary offered. The inclusion of the Advertiser's name in lieu of a box number is welcomed.

ARCHITECT AND SURVEYOR'S experienced and capable Assistant wanted in office near York. State age, salary and when at liberty. Box 916.

ARCHITECTURAL DRAUGHTSMAN required by Engineers' Department, large modern works, Park Royal. Experienced in preparation of contract drawings and correction of maps. Preferably exempt from military service. Employment for two years or more if suitable. Salary according to ability. State age and experience. Write Box 920,

Architectural Appointments Wanted

ARCHITECTS' ASSISTANTS, senior and junior, Shopfitting Draughtsmen. There is always a number of reliable assistants, men who are either disengaged or seeking a change of employment, on the Employment Register of the Association of Architects, Surveyors and Technical Assistants. These assistants can generally be personally recommended by the Association. Employers are advised to communicate with the Secretary, A.A.S.T.A., 57 New End, Hampstead, N.W.3. Telephone: Hampstead 4906.

Hampsteau 4900.

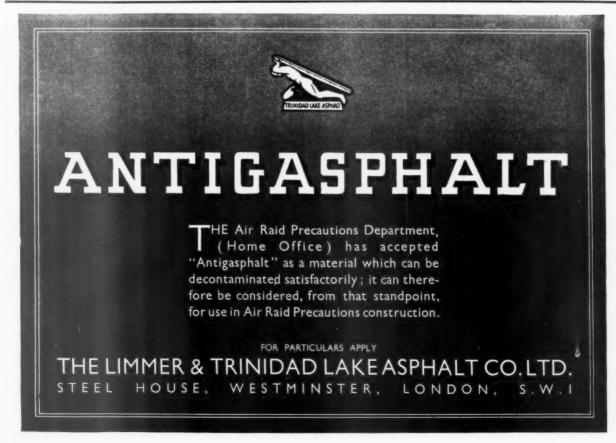
URGENT. Senior Assistant (passed A.R.I.B.A., P.A.S.I. Exams.) requires regular spare-time work at moderate weekly salary; drawings and specifications prepared for stops, flats, conversions, offices, hotels and restaurants, chain stores, schools, public buildings, etc.; legal work and applications to L.C. and Local Authorities a speciality; extensive experience in layouts and plans for development companies; excellent references; work at own or employer's address. Box 47.

ASSISTANT desires post in London; eight years' varied office experience; accustomed to working drawings, details, surveys and the usual office routine; very keen; excellent references; experience of flats, office buildings, domestic work, public buildings, air raid shelters, etc.; salary £5 to £6 per week, according to future prospects. Box 281.

BOURNEMOUTH. Architectural Assistant (21) desires post in this district. Three years articles, 20 months assistant. Sketch plans; ½-in., ½-in. acale working drawings, details, etc., in work for offices, factory, church, service stations, flats, houses and surveying. Quick, neat and accurate draughtsman and talented colourist. Knowledge of Parts V and VI London Building Act. Studying for R.I.B.A. Intermediate. Completed technical courses at college with sound knowledge of construction. Highest credentials available. Salary by arrangement. Box 261.

SCOTTISH SENIOR ARCHITECTURAL ASSISTANT desires position in Scotland; 26 years of age; 10 years' experience schools, hospitals and factories; present salary £312 per year. Box 291.

ARCHITECT'S SENIOR ASSISTANT (42). First-class London and Provincial experience, desires post in London Office. Artistic and expeditious. Experienced Institutional Buildings, Flats, Business and Licensed Premises, Hotels, and Domestic Work. Box 294.





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Architectural Appointments Wanted-continued

ARCHITECT'S ASSISTANT desires change of situation; age 31; 14 years' good general experience; Scotland or North of England preferred, but not essential. Box 299.

ARCHITECT'S SENIOR ASSISTANT desires responsible position London or Home Counties. Suit Architect requiring Supervisor of Works and business assistant. Age 30, married. Passed R.I.B.A. Intermediate and working for Final; finished 3 years R.A. design. 14 years' varied experience in design and supervision of works U.K. and Continent. Good draughtsman, also office work; job progress, quantities and estimating; specifications and final accounts. Own car. Box 306.

SENIOR ASSISTANT (28, married) desires post; free now; 13 years' experience, including three years' school training (Diploma) in domestic flats, commercial, industrial, public works, and interior decoration work; preparation of all working drawings and details, supervision and management of contracts; competition success; quick, neat and accurate draughtsman, with aptitude for contemporary work; salary by arrangement. Box 315.

JUNIOR ARCHITECTURAL ASSISTANT (aged to) JUNIOR ARCHITECTURAL ASSISTANT (aged 19) desires position in Architect's office. Three years' experience in architect's office, dealing with all classes of Domestic Architecture. Neat, quick and accurate draughtsman, accustomed to Working Drawings, Details, Colouring, Tracing, etc. Knowledge of Road Construction and Drainage. Four years' instruction at Evening Institute. Salary by arrangement. Box 318.

ARCHITECT'S ASSISTANT (age 20) desires change of position in the W.R. of Yorkshire. Probationer R.I.B.A. Studying for Intermediate Examination. Quick and accurate draughtsman, capable of surveying, preparing \(\frac{1}{2} \) in. working drawings, all details and specifications; \(2\frac{1}{2} \) years in present office. Experience in schools, factories, hotels, private houses, etc. Free at short notice. Salary approx. \(\frac{1}{2} \) 38. Box 317.

JUNIOR ARCHITECTURAL ASSISTANT, aged 19, requires post in London or Kent; 3½ years experien in lactory and domestic work; accustomed to maki working drawings and details, surveying and levelin attending classes at Regent Street Polytechnic A.R.I.B.A.; salary required 42 55. Box 319.

ARCHITECT'S JUNIOR ASSISTANT, age 18½ (no war commitments in immediate future); 3 years' extensive office experience, with well-known local architect, including design, working drawings, details, surveying, etc., urgently requires local situation owing to probable close of present business owing to war; salary by arrangement; free immediately. Write R. Simmons, 24 Bates Road, Brighton, 6.

CORNWALL, DEVON OR SOMERSET, position required in any of the above counties in architect's office by young architectural assistant; experience on all scale drawings in the following: Domestic and estate layouts, churches, schools, cinemas, commercial buildings, surveys and specifications; able to work with minimum supervision; three and a half years' office experience, two years' day school and three years' evening school training at well-known London Polytechnic. John Woolcock, "Lindis Farne," St. Georges Road, Hayle, Cornwall. 325

ARCHITECT'S ASSISTANT, age 28, requires spare time work in conjunction with A.R.P. Warden duties; ro years' London experience; specialising in ½·in and full size details; expert model maker, neat tracer; capable of preparing ½·in scale plans from architect's notes; experience in A.R.P. work. Box 343.

ARCHITECT'S ASSISTANT, 19½ years old; 2 year experience in reinforced concrete, structural steelwo engineers; 1 year's experience in Mayfair architectoffice. 27 Alderney Avenue, Hounslow. Hou. 262

JUNIOR ASSISTANT (19½) desires position in London; 4 years' experience in cinemas, churches, houses, etc.; passed R.I.B.A. Inter, all subjects except theory of structures; able to prepare details to any scale, surveying, cubing, etc.; keen on modern work; present salary £3. D. H. Austin, 46 North Row, London W.

JUNIOR ASSISTANT requires position in architect's office in Central London; has had good drawing experience and is able to prepare full-size and \(\frac{1}{2}\)-in. and \(\frac{1}{2}\)-in. scale details, and colour; is a second year evening student at Northern Polytechnic. Box 342.

ARCHITECT'S JUNIOR ASSISTANT requires position in London office; disengaged owing to stoppage of work caused by war; 3 years' articled pupil and 1 year with London architect, as the only assistant has done all the drawings required for large contracts; ½-in. to full scale. Box 341.

ARCHITECT'S ASSISTANT (27) desires position; 8 years' experience in architect's office, g years in builder's office and the last five months in the employ of well-known London architect; passed City and Guides Final Builders' Quantities, S.E.S.A. prizewinner, and in ouilding trades at technical institute; accurate draughtsman to all scales, surveying, levelling and specifications; excellent references. Box 340.

JUNIOR ARCHITECTURAL ASSISTANT, lady, free now, requires position in an architect's office; three years' drawing office experience; keen to do work in connection with A.R.P.; salary by arrangement. L. R., 77 Leeside Crescent, N.W.II. Tel. Speedwell 9696. 335

KEEN JUNIOR ASSISTANT (aged 17½), with over a year's office experience in a well-known London architect's office, neat draughtsman, passed first year in the evening course at Regent Street Polytechnic School of Architecture, desires post in London architect's office; excellent reference. Apply: I. M. Rose, 19 Marlow Court, Willesden Lane, London, N.W.6. 350

ARCHITECT'S ASSISTANT, Inter. R.I.B.A., married, desires post; 10 years' varied experience in office blocks, shops, flats, maisonettes, housing of all types, factories, warehouses, laboratories, A.R.P., etc.; all office work, specifications, quantities, accounts, surveys, levelling, supervision, drawings, details, perspectives, knowledge of steelwork and R.C. calculations and construction; technical college teacher of building construction and mathematics; first-class references; salary £5 ros. Box 337. Inter. R.I.B.A.,

ASSISTANT, approximately intermediate standard, experienced in domestic work; some knowledge of concrete, general office work, details and F.S.s, shorthand and typing; present office closed owing to war; London or Surrey area preferred. J. Smith, 32 Fengates Road, Pathill Control of Surrey area preferred. or Surrey area Redbill, Surrey.

ARCHITECT'S JUNIOR ASSISTANT, age 19, requires position in office in London; working and detail drawings under supervision; surveying, perspective drawing, etc.; Probationer of R.I.B.A. studying at Northern Polytechnic for Intermediate; salary £2 108, per week. Box 357.

JUNIOR ARCHITECTURAL ASSISTANT, articled JUNIOR ARCHITECTURAL ASSISTANT, articled for four years to qualified architects; general office work, preparation of \(\frac{1}{2}\)-in. scale drawings from sketch plans to full-size details; surveying and levelling; setting out on site and general supervision; general domestic work for houses, \(\frac{1}{2}\)650-\(\frac{1}{2}\),500, and specifications for same; road surveys, alteration work to public houses, \(\text{etc}\); experience with showrooms, offices and hotels; studying for Inter. R.I.B.A. Box 336.

JUNIOR ARCHITECTURAL ASSISTANT-(171) 3 years' architectural training, if years' office experience in domestic work, hospitals, factories, etc.; \$ scale, \$ in., and full-size details, Council approval drawings, with knowledge of external and internal surveying; studying at Polytechnic; salary by arrangement. Box 353.

YOUNG ARCHITECT wants spare time work; also could help during day; perspectives. Box 352.

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JUNIOR ARCHITECT'S ASSISTANT desires post; JUNIOR ARCHITECT'S ASSISTANT desires post; 4 years' varied experience in architects' offices; knowledge of surveying and working drawings, etc., in offices, factories, shops, flats and dwelling-houses; also knowledge of air-raid and decontamination buildings; attending Regent Street Polytechnic; salary approximately £ 2 tos. L. F., 38 Wickham Avenue, Cheam, Surrey.

ARCHITECT'S CHIEF ASSISTANT, A.R.I.B.A., aged 31, requires post in London area; fourteen years' experience of a wide variety of building work; A.R.P., temporary buildings, roads, sewers, etc.; would prefer work of National importance. Box 358.

ARCHITECTURAL ASSISTANT (44), first-class London experience, desires post; excellent draughtsmar; experienced in factory and warehouse buildings, hotels and flats, domestic buildings and A.R.P. schemes. Box 359.

ARCHITECT'S ASSISTANT (Registered), age 35, with considerable all-round experience, seeks post, West London or Western Counties. Box 368.

ARCHITECT'S ASSISTANT (age 34) desires post; 13 years' service in present firm; conversant with all types of building work, particularly alterations. Box 367.

ARCHITECT'S ASSISTANT (23) requires position in or near London; neat and quick draughtsman, ½ scale plans, excellent at design, speciality ½ in. and fulbize details; good knowledge of construction, secondary and university education; excellent references. Phone Mayfair 7962, or write S. G., 114 Hazellville Road, London, N.19.

JUNIOR ASSISTANT (18) requires position in architect's or builder's office; experience in buildings of all types, shopfitting and the surveying of buildings; can work from sketch plans; neat and accurate; excellent references if required. Apply, R. Jefferies, 12 Cowper Road, Wimbledon, S.W.19.

BIRMINGHAM. Assistant (23), married, 4 years' school trained and 5 years' office experience in all branches of the profession, seeks situation in Birmingham district; no objection to any temporary engagement; neat, accurate and essentially quick draughtsman; excellent references, etc., and can commence duties immediately; salary [4, 5s. per week, or by arrangement. Edward Watkinson, 92 Summer Road, Edgbaston, Birmingham.

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JUNIOR, aged 17, with some office experience; matriculated, passed first year in the evening course at the Polytechnic School of Architecture, seeks post in a London Architect's office. P. E. Morrish, 18, Mount View Road, Stroud Green, N.4.

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ARCHTECTURAL, LAND AND QUANTITY SURVEYING ASSISTANT (28), well educated, intelligent, quick, neat and accurate draughtsman; three years senior day-school student at Northern Polytechnic, London, N.7 School of Architecture, Building and Surveying; three years 'practical knowledge of craft processes; "First Class "Finalist "Quantities "City and Guilds Examination, London, 1937; "Taking-off" 1935 Standard Mode of Measurements; levelling and surveying; familiar with field work of all descriptions including theodolite; 21 months' office experience as architectural assistant with firm of chartered and registered architects; working drawings, all scales; measuring up of hotels, etc.; linen tracings, surveys; excellent references; knowledge of typing; own car; salary required L4 10s. Box 355.

ARCHITECT'S ASSISTANT (27), 10½ years' ex-

ARCHITECT'S ASSISTANT (27), 10½ years' experience in all branches of profession, including shops, flats, estate lay-outs, roads, sewers, conversions and alterations; salary by arrangement. Box 371.

alterations; salary by arrangement. Box 371.

JUNIOR ASSISTANT (18), keen and industrious, desires progressive position in architect's office; over 14 months' office experience, passed 1st year architectural course at Northern Polytechnic; neat and accurate draughtsman; experienced in tracing, enlarging, colouring, setting up of simple perspectives; elementary knowledge of building construction. J. Rawlinson, 22 Warberry Road, Wood Green, N.22.

ASSISTANT desires post in architect's office; 7 years' varied office experience; good draughtsman, accustomed to working drawings, details, surveys; very keen; excellent references; completed technical courses at evening classes with sound knowledge of construction; salary by arrangement; free immediately. Box 369.

SENIOR ASSISTANT (31, married) desires responsible position, London; A.A. trained; wide general experience and special knowledge of Territorial Army buildings and A.R.P. work; control of work and supervision; present salary £420. L. S. Gilbert, 415 Grove Green Road, Leytonstone, E.TI.

ASSISTANT (24) seeks post; first-class experience, London and provinces; speedy and accurate worker; neat draughtsman; factories, domestic and A.R.P. work; salary by arrangement. Box 374.

salary by arrangement. Box 374.

ARCHITECT'S SENIOR ASSISTANT, A.R.I.B.A., desires position of responsibility, London or suburbs; age 25; married; 10 years' experience in most types of work, including churches, schools, re-housing schemes, institutions, shops, flats and factorics, etc.; good draughtsman, used to taking full control of job, including surveys, levelling, negotiations with authorities, sketch plans, working drawings, details and supervision of works during erection; own car; good references; salary 7 gns, per week, or by arrangement; would consider part-time service at employers or own premises. Leslie C. Chidley, 2 Cadogan Gardens, Grange Park, London, N.21. Phone LABurnum 4345.

2 Cadogan Gardan, LABurnum 4345. ARCHITECT'S ASSISTANT, aged 25, requires posi-tion with responsibility, preferably in South of England.

JUNIOR ARCHITECTURAL ASSISTANT, aged 18 years, able to prepare \(\frac{1}{2}\) and \(\frac{1}{2}\) in, scale drawings from rough sketches; able to survey existing buildings; recently employed by Mayfair architect, unemployed owing to present situation. Apply G, C, H., 32 Waverley Gardens, West Twyford, N.W.10.

Gardens, West Twyford, N.W.10.

ARCHITECTURAL ASSISTANT, aged 22, Student R.I.B.A., desires post in or near London; 5½ years' general experience in sketch designs, working drawings, details, specifications, and surveys; salary by arrangement. Kirkham, 16 Thurlow Road, Hampstead, N.W.3.

ARCHITECT'S ASSISTANT, Scotsman, seeks post immediately; sketches, lay-outs, working drawings and details, agricultural, domestic and housing works; shops and offices; specifications and surveys, etc.; 12 years' practical experience; keen and able to take charge; moderate salary by arrangement. Box 377.

ASSISTANT, aged 26, recently employed on large civic buildings; 7 years' experience all classes of work, including A.R.P., desires post. Salary 5 guineas per week. Box 387.

ARCHITECTURAL ASSISTANT (26), seeks posi-tion; 9 years' experience. R.I.B.A. Inter. and Final by Examinations. All-scale working drawings, levelling, supervision, etc. Extensive experience in three leading Midland Offices in all types of commercial and domestic work, and lately A.R.P. Box 386.

KEEN JUNIOR ASSISTANT (16) desires position in Architect's office; 2½ years at Willesden Tech, College (building). Diploma and Certificate for Geometrical Drawing. Apply R. Feldman, 9 Oakleigh Gardens, Edgware, Middlesex.

ARCHITECT'S ASSISTANT, 3 years articles, 2 years' other experience with architects. Past Inter. R.I.B.A. Excellent refs. C. J. Mitchell, 3 Medden Street, Bideford, N. Devon.

QUALIFIED SENIOR ASSISTANT, sound know-ledge of modern building construction and design. Specialist in A.R.P. shelter design. Will accept any job at any salary. Box 383.

JUNIOR ARCHITECTURAL ASSISTANT desires progressive position in London or Home Counties Architect's office; 1 year's experience, office, site and surveys; 1 year's Technical Training (Regent Street Polytechnic.) Exempted Prob. R.I.B.A. General schools' certificate. Salary 35s. J. Grad, 3 Donnington Mansions, Donnington Road, Willesden, N.W.10.

Road, Willesden, N.W.10.

JUNIOR DRAUGHITSMAN (17) desires post in Architect's office, over 6 months' office experience, with 3 years' training at Technical School. Neat and accurate draughtsman; experienced in tracing, colouring, details and knowledge of Building construction. B. S. Kay, 67 Moscow Road, Bayswater, W.2.

391

JUNIOR DRAUGHTSMAN requires situation; 2 years Northern Polytechnic School of Architecture Experience of accounts, able to use typewriter. Age 25. Box 390.

DRAUGHTSMAN requires position. Nine years' drawing office experience. Scale plans, working drawingo. Watercolour perspectives. Neat and accurate. Salary £4 10s. Shopfitting a speciality. Box 389.

DRAUGHTSMAN (27) seeks position in architectural drawing office; quick and accurate draughtsman used to surveys, lay-outs, working and detail drawings; at present disengaged. Apply J. E. Martin, 4 Redesdale Street, Chelsea, S.W.3.

Street, Chelsea, S.W.3.

322

DRAUGHTSWOMAN (Junior) seeks post in architect's or design office; tracing and detailing to scale; must be in Birmingham district. Box 324.

LONDON ARCHITECT, qualified and Registered, desires change of appointment. Present engaged modern reconstruction of high-class chain stores of individual character London and Provinces. Highly technical with comprehensive legal and business experience. Complete control desirable. Details in strictest confidence. Box 311.

ARCHITECT (L.R.I.B.A., F.S.I.) with considerable experience in hospital, factory and estate development work seeks appointment; capable of supervising large contracts; draughtsman; London or provinces; salary by arrangement. Box 346.

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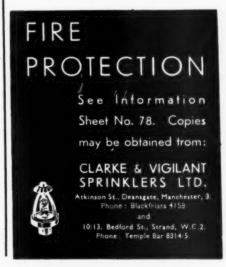
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