



VOLUME III

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NUMBER 5

PENCIL POINTS AS A TWO-YEAR-OLD

7 E DO NOT intend to follow the precedent established by many well known department stores and hold a celebration every time we have a birthday, but we find it impossible to let this, our second anniversary, pass without a word to our charter subscribers and our other readers who have backed us with their subscriptions and made possible Pencil Points as it is today.

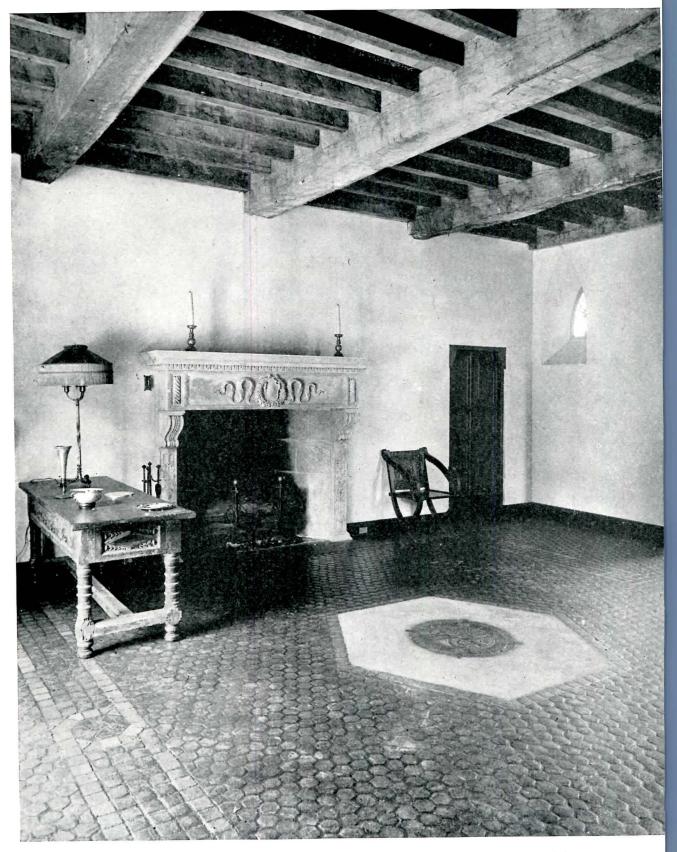
Just two years ago we sent out our preliminary notice announcing the forthcoming publication of Pencil Points as a journal for the drafting room. Over three thousand one hundred architects and draftsmen responded to the first call. We knew right then that this journal had a distinct field and would grow and prosper, provided we kept faith and delivered the goods. Probably no new publication was ever started at a worse time in relation to the business conditions prevailing with those from whom its support must come. Most architects' offices were little more than skeletons of what they had been, with hardly a job in sight. As a consequence many excellent draftsmen were out of work, but in spite of this the army of Pencil Pointers has continued to grow, so that now, just two years after we chucked the good old hat into the ring, we number well over nine thousand, and the ranks are being added to every single business day of the year.

Architects, draftsmen and specification writers and students in the architectural schools have found this journal suited to their needs and have subscribed in large numbers for the paper We are greatly pleased that we have been able, with the help of those men who have contributed so generously of their material, to publish a paper which has found its way to the affections of a large number of practising architects, many of the important men employed by architects, and also a substantial group of advanced architectura! students.

The support we have received has imposed upon us an obligation which we fully realize and which we are determined to discharge to the very best of our ability. In carrying our work still further we want and frankly ask the co-operation of our present body of readers in two entirely different, but equally important respects. First, we are extremely desirous at this time, when the entire building industry is experiencing a healthy and unmistakable revival, to extend the influence of our paper by doubling our number of readers, as recently laid before you in letter form. There are still architects who have not sent in their subscriptions and there are still draftsmen and architectural students who either are not readers of PENCIL POINTS or who buy it through newsdealers or depend upon glancing over the copies of their friends. Every one of these men should get the paper every month, because only in this way can they be sure of complete files, which will mean so much in the busy months and years to come. We are constantly in receipt of orders for back copies of the first and second volumes which we are entirely unable to supply, and we have even been unable to secure some of the early issues by offering five times the original subscription price for them. We hope that every reader will take the time and make the effort necessary to bring one new subscriber to us.

The second form in which we want co-operation is entirely different. We want criticism, and we want suggestions direct from the men on the firing line. What would you like to see treated in Pencil Points that has not yet been presented? particular problems are confronting you and your acquaintances which could be discussed to advantage in this journal? Frequently a publisher asks for suggestions more or less as a matter of form and hopes to goodness he won't get any. We want a lot of them and we want them from all parts of the country, and from representatives of the different groups making up the total Pencil Points family. While we as publishers may be likened to a broadcasting station, we want you to know that we also have a receiving apparatus here and we trust that you will give us many occasions to use it.

In our editorial next month we will discuss in detail certain editorial developments and additions which will go into effect with the June number, and in connection with our editorial plans for the balance of this year and for next year we want as many carefully-thought-out suggestions as we can possibly We told you at the start that we purposed publishing Pencil Points with our readers rather than for them. Any success we may have had in pleasing our readers we attribute very largely to the co-operation we have had from you men at the other end of the line.



Hall in House for F. S. McIlhenny, Esq., at Chestnut Hills, Pa. Mellor, Meigs & Howe, Architects. (See text on the opposite page.)

ARCHITECTURAL DETAIL PART XIII

BY JOHN VREDENBURGH VAN PELT

This is the thirteenth instalment of an article in which Mr. John Vredenburgh Van Pelt, formerly Professor in Charge of the College of Architecture. Cornell University, Architecte Diplomé par le Gouvernement Français, and author of "Essentials of Composition," will discuss the designing of good architectural detail and point out the means by which the ability to produce good detail can be developed. Reproductions of detail drawings from some of the best architectural offices will accompany this article and the publication of this series of drawings will be continued after this discussion of the subject has been completed—making a valuable feature of this journal indefinitely.

FRIEND asked me recently, "What is the difference between pottery and faience?"
He might as well have added enamelled terra cotta to the list. I did so in passing the question on to divers manufacturers and experts and finally to one of the professors at an important university that has a whole department devoted to the study of the art. After receiving a somewhat noncommittal answer from the last gentleman, I said, "Well, then, which term ought one to use for all of these beautiful objects?" "If you are talking to the trade," he answered, "you call it 'Ceramics,' but if you are addressing an amateur, you weigh heavily on 'Keramics'."

Truth to tell there is really no very good dividing

line between pottery and faience except that the former derives its name from pots and the latter seems to suggest plaques and tile.

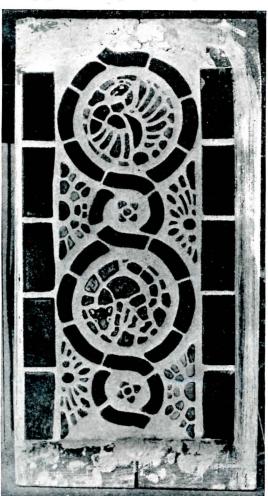
Differences in the clays are really matters of convenience or whim in manu-There are two facture. general distinctions termed 'white body" and "red Lody," but each plant uses its own mixture and many plants make both white and red tile, the white being usually somewhat softer than the red. The effect of the body on the appearance of the finished tile is only noticeable in the thinner and more transparent enamels or, of course, in the partially glazed tile.

As architects and decorators we have less to do with pottery per se, although urns and vases may play an important part in a composition and unquestionably do in furnishing. The hand painting of this more intimate work may run from miniature to the broadest kind of free de-In pottery, faience sign. or terra cotta, the modelled body is so often associated with the colored design that it seems hardly worth while, in a curtailed review, to try to study it separately. Perhaps no other comment is needed than the reminder that a background should be less brilliant in color and perhaps darker in value than a motif. The Della Robbias reserved their bright yellows or whites for the subjects of their plaques. Many of the old Persian tiles were painted on a flat surface, but examination of the illustration of the faience decoration Medresse-I-Chan, at Shiraz, Plate XVIII of this issue, and of the exterior of a portion of the Mosque at Safi at Ardebil, Plate XIX, will reveal intricate examples of both painted and modelled patterns on the same individual tile. The detail of the Blue Mosque shown on Plate XIV of the April Pencil Points was tile mosaic.

There is a certain quality of broad decorative modern vase painting made at some of the English pottery works that would be most appropriate for wall tile decoration. It seems a pity that it is not imitated by our American tile manufacturers. Perhaps one objection may be that painted designs are not so readily fired at high temperatures and are, therefore, not as good for exterior work. But exterior work has to carry to a distance and is usually large enough in scale to be made up of small tile, a variety of mosaic. At any rate, the different colors may be separated by incisions or little ditches to keep them from flowing into each other while molten.

This firing of tile is perhaps the best distinction between pottery, faience and enamelled terra cotta. Decorated china, handpainted plates, etc., are often painted on the underlying white glaze and fired at low temperature in a small decorator's oven.

The next group, pottery and faience, are fired in kilns at a higher temperature, the body first, usua-



Contrasting Textures Obtained by Setting Tile in a Background of Cement.

ally, the enamel separately afterward. They are enclosed in a coverless terra cotta box called a saggar, each successive box forming the lid of the one below it in the kiln. Where the tile, which have been moulded or cut out like cookies and dried out, are not to be enamelled, the saggars have small openings cut down an inch or less into the sides to allow the gases of the kiln to enter and produce the beautiful accidental fire flashings that are so much prized for certain work.

Terra cotta is burned in kilns with double walls so that the inside of the kiln is really a big saggar. It is fired at a still higher temperature, 2250 de-

grees, as structural strength is needed.

Different layers of slip or enamel are usually put upon the dried clay and all fired with the body in one operation. For enamelled terra cotta a material or slip that will close the pores is sprayed on and then one or two successive glazing materials are applied, one perhaps a flux and the other the real enamel color. All enamel contains a mixture called the "Base" which is the element that holds the color and forms the adhesive glaze. It must be of such a nature that it will unite with the body, else it will craze and perhaps crack off. The other distinctive parts of the enamel are the mineral that gives the color and a flux. Of course in many enamels the distinctive color may be a result of the influence of the color mineral on a particular base, and then the base has to be varied. For certain effects a tile is fired at a high temperature. Then a second glaze is painted upon certain portions and it is refired at a lower temperature that does not affect the first This may even be repeated a third time at a still lower temperature.

A more usual process in blending colors is to place a layer of one color on the tile and when this is dry, dip it in another color or paint, or dab the other color on pre-determined parts. When the enamels melt they mix together and produce very beautiful, more or less accidental, effects. If the heat is sufficient, they boil and bubble up together and when they have cooled there may result points where the under color has taken precedence of the upper. Usually the upper color predominates and the under color softens or tones it. Furthermore, some colors in drying will crackle or draw apart and may introduce an interesting texture contrast. See the panels on this page.

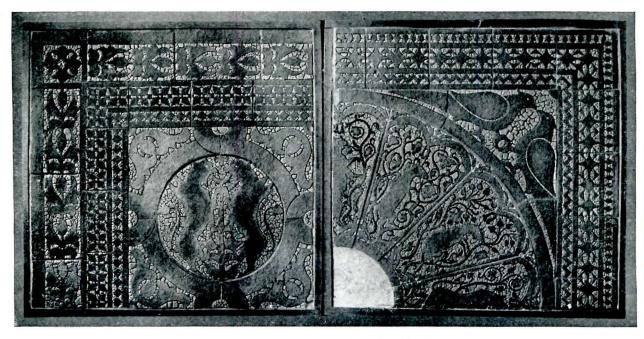
The designer of colored faience or terra cotta decoration must bear in mind that accidental colors are the rule. Even the intensity of a plain color is more or less uncertain. Of course before it is fired, no color gives any suggestion of the final appearance. In one factory that I visited lately, all the enamels were made up with a red lead flux, and the tiles, set out to dry before firing, had a thick coating on the top, no more beautiful than a piece of struc-

tural iron just come from the shop.

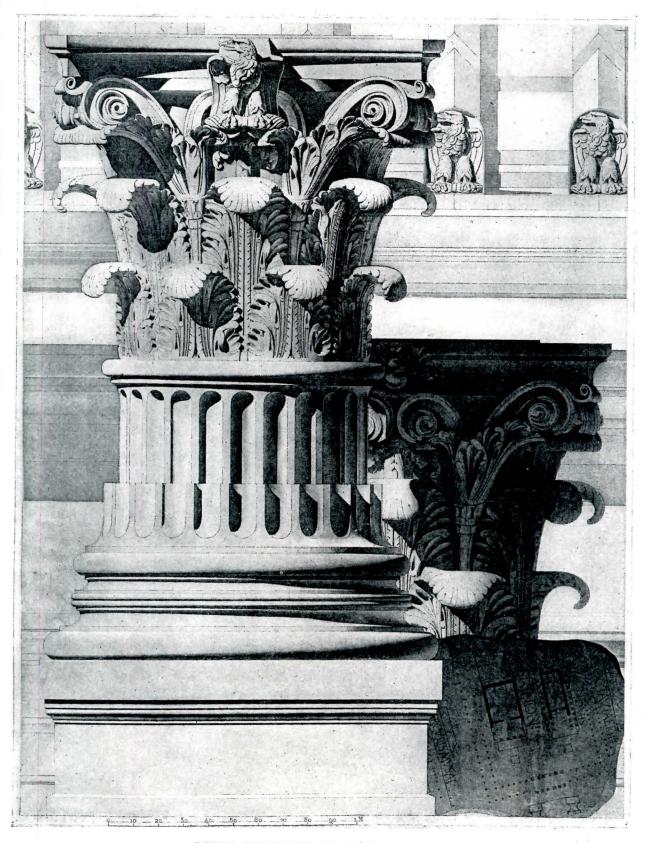
Past experience in the use of colored faience on the exteriors of buildings makes me feel that small tiles, forming a mosaic, are safer than large tile of a single color, even though the decoration is to be seen at a great distance. To illustrate: If a blue band, four inches wide, is required, it would be better to build it up of smaller triangular tile of slightly varying shades of blue than to set in four inch by four inch tile side by side, this despite variation of shade on each of the four inch tile.

I realize the process can be carried to excess and at times one may feel the need of a space filled by a simple, more even color, but the usual fault is in the direction of too great smoothness and too little

(Continued on page 37)

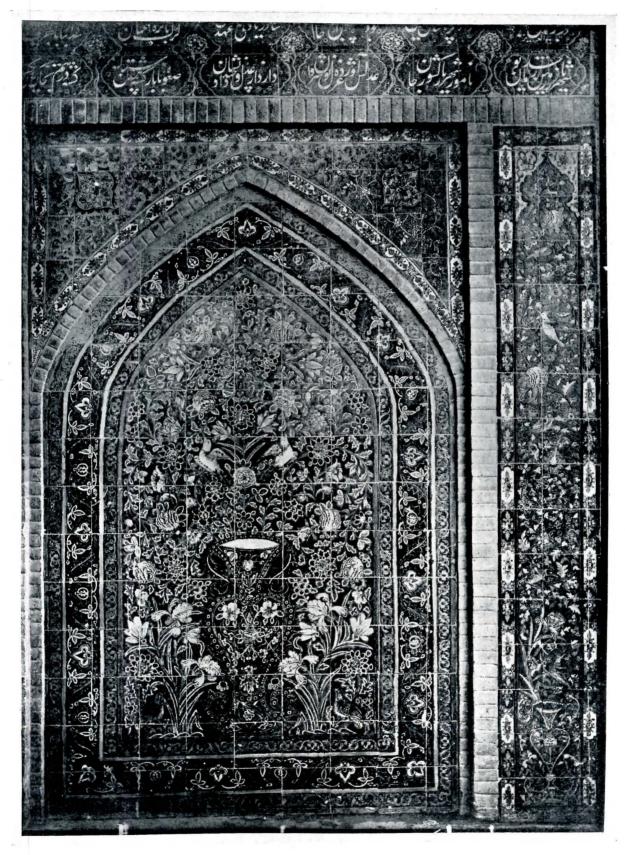


Tiles That Show an Interesting Crackle Texture.



DETAIL OF PORTICO OF OCTAVIUS, ROME. FROM D'ESPOUY'S "FRAGMENTS D'ARCHITECTURE ANTIQUE"

The details of the portico of Octavius at Rome, reproduced on the other side of this sheet from a restoration by E. Paulin, are among the most virile of the many, well-chosen details of Roman architecture included by H. D'Espouy in his "Fragments d'Architecture Antique." This sheet is also an example of masterly rendering.



FAIENCE DETAIL, MEDRESSE-I-CHAN AT SHIRAZ. FROM SARRE'S "DENKMAELER PERSISCHER BAUKUNST."

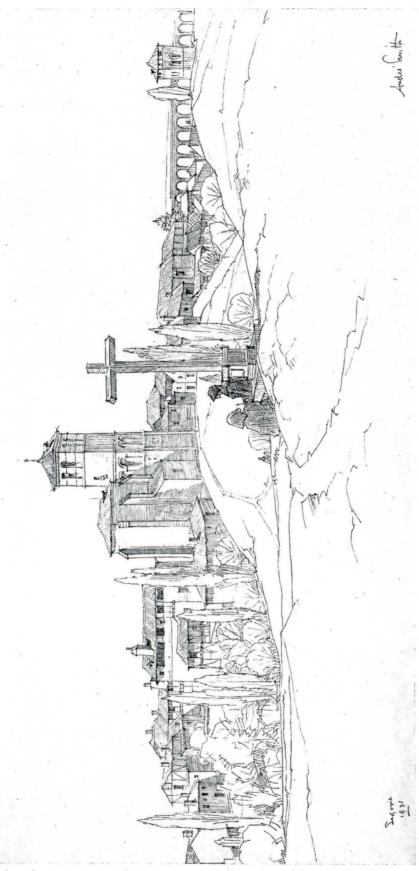
The detail of faience decoration from the main entrance of the Medresse-i-chan at Shiraz shown in the plate reproduced on the opposite side of this sheet is typical of the finer faience work of Persia. The skill of the designer in making a well distributed pattern of forms that are cenventionalized, with an appreciation of the character of the material, and made to express the spirit of the people and the times while conveying the essential characteristics of the natural objects from which these ornamental forms were derived, commands admiration and affords a wealth of suggestions to designers in modern faience.



PORTION OF THE MOSQUE OF SAFI AT ARDEBIL. FROM SARRE'S "DENKMAELER PERSISCHER BAUKUNST."

The façade of the prayer room of the Mosque of Safi at Ardebil shown in the plate reproduced on the opposite side of this sheet is a most interesting example of the combination of faience with brick work, the former used as an enrichment, for which the simple brick surface provides an excellent foil.

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Courtesy of Arthur H. Harlow & Co.

PENCIL SKETCH, SEGOVIA BY ANDRE SMITH

The sketch by André Smith reproduced on the other side of this sheet is notable for the direct method of drawing and the production of a wide range of values by skillful use of a very delicate line. The freshness of the drawing is due to the artist's habit of working rapidly and making a drawing at a single sitting.

PERSPECTIVE DRAWING, PART XXIII

BY PAUL VALENTI

In this series of articles Mr. Valenti is taking the student step by step through a course in the direct construction or perspective plan method. Mr. Valenti, who is Instructor in Architecture at Washington University, St. Louis, Mo., is a graduate of The Royal Academy of Fine Arts of Brera, Milan, Italy, where he received the degree of Professor of Architecture. Mr. Valenti studied under Professor Ferrario, principal of the school of perspective at the Academy and scenographer at "La Scala," theater in Milan, and under other distinguished masters. Upon the investigations and the ripe practical experience of these men, he has based the course which he is presenting to the readers of this magazine. The method shown here, once it has been mastered, saves time and gives increased accuracy over the usual practice in laying out architectural perspectives instrumentally.—Ed.

ROCEEDING, we observe in plan, Figures 52A and 53 (See March issue for all figures referred to), that the side wings extend to the left and to the right of the central unit 28'-6" and line with the centre of the tower (or centre unit) plus the cornice projections and are 43'-0" deep; also that these wings are not as high as the central unit or tower but reach only to within 5'-0" of the top of the tower. Consequently, first noticing in plan Figure 53, that the distance of these wings from the transparent plane is 18'-6", measure off this distance to the *left* of point A on the geometric line R S to point n. Then conduct a straight line from this point to measuring point M I on the Horizon Line, intersecting a line conducted from point A to vanishing point V P I. From this intersection f conduct a straight line to vanishing point V P II and where it intersects line a' V P I (which is the left-hand side of the upper limit of the tower) at point e, lower a perpendicular to the ground plane. Conducting a straight line from point a'" to vanishing point V P I, you will intersect this perpendicular at point e" which represents the lower point of the left-hand wing of the building 18'-6" away from the left-hand corner of the building and emerging exactly from the centre of the tower, plus the cornice projection, as shown in the plan at Figure 53. Lowering a perpendicular from point f until it intersects a straight line conducted from point C to vanishing point V P I at point M, we will have found the extreme left-hand lower limit of the left wing, and measuring up 35'-0'' on line AC to point grepresenting the height of the wings (as indicated in the elevation in Figure 52B), and conducting a straight line from this point g on line AC to vanishing point V P I it will intersect line f M at point g' representing the exact height of 35'-0" or g'M on line fM 18'-6" away from the transparent plane, as indicated in the plan at Figure 53, and represents the extreme left-hand corner of the left wing of the building. Again by measuring off 84'-0" to the right of point A on the geometric line RS to point m, representing the total length of the entire building shown in the plan at Figure 52A, conduct from this point m a straight line to measuring point MIIon the Horizon Line, until it intersects line AZ, at point m' which intersection will represent in perspective, from point A this given distance of 84'-0" as given in Am on the geometric line RS, or, in other words, A m (in the geometric) = A m' in perspective. This line A m' as was shown previously, represents the upper front limit of the solid containing the building. Now upon observation we will notice that the wings of the building are 18'-6" back from the transparent plane, consequently having

already found this depth at point n to the left of point A on line RS, and also having found point f at the intersection of this measuring line and line $A \ V \ P \ I \ (A \ n \ in the geometric = \overline{A} \ f \ in perspec$ tive); having also found point g' on line fM (A gin the geometric = fg' in perspective), we may now proceed to find g'' which represents the upper extreme right-hand limit of the building. Conducting a straight line from point m' to vanishing point V P I and intersecting this line by another straight line conducted from point f to vanishing point V P II we will find f''. We may prove also the following: Af = m'f'' which in turn equals A n, the latter being in the geometric. Conducting a straight line from point g' (already found on line f(M)) to vanishing point f(M) to vanishing point f(M) it will intersect a vertical lowered from point f'' at point g'' thus determining the extreme right-hand limit of the building in g''g'''. Lowering a perpendicular from point f'' indefinitely and conducting a straight line from point m'' (which is the intersection of a vertical lowered from point m' and line C V P II) to vanishing point V P I, it will intersect this perpendicular at point g'' thus determining the lower right-hand limit of the right wing of the building. Uniting point g'g'' and Mg''', and closing with the lines e' e'' and g'' g''' with what we already have, we will obtain the front elevation of the building in perspective. Now for the depths. From point \hat{A} on the geometric line RS measure off in the scale of the picture 33'-6" to the *left* representing the depth of the tower as indicated in Figure 52A and Figure 53, (measure the full depth or distance from the front face of the steps to the back wall of the tower) and place this distance to the left of point A at point p. From this point p, using measuring point MI on the Horizon Line, conduct a straight line intersecting line AVPI at point p', thence a line to vanishing point VPII intersecting line a'VPIat point p'' which determines the depth of the tower in perspective. To prove: Ap—on the geometric line RS equals 33'-6" indicated in the plan at Figures 53 and 52A. Therefore, Ap in the geometric equals A p' in the perspective and also equals a' p''.

The same is done to obtain the depth of the wings. For example: measure off the total distance from the transparent plane in Figure 53 to the rear left-hand corner of the building which, it will be observed, is 61'-6''. Then place this distance, in the scale of the picture, to the left of point A on the geometric line RS at point t. Using once more the measuring point for this side, which is MI on the Horizon Line, conduct a straight line from point t to point MI intersecting line AVPI

(Continued on page 34)



Figure 155. St. Peter's, Rome.



Figure 156. Chamber of Deputies, Paris.

THE STUDY OF ARCHITECTURAL DESIGN

WITH SPECIAL REFERENCE TO THE PROGRAM OF THE BEAUX-ARTS INSTITUTE OF DESIGN

CLASS B. PLAN PROBLEM. PART VIII.

Size, Scale and Proportion—(Concluded)

BY JOHN F. HARBESON

In this series of articles, which began in January, 1921, Mr. Harbeson is explaining the method of working and how to get the greatest benefit in following the program of The Beaux-Arts Institute of Design. It is not intended as a substitute for personal instruction and criticism. The "Analytique" was treated in issues for February to September, 1921, inclusive.—Ed.

N THE two previous numbers we have studied the sizes of various architectural motives; we have seen how they vary, both in size and in proportion, within certain limits. To complete this study, let us look at two façades in their entiretythat of the Pierpont Morgan Library in New York, Figure 151, and that of the Butler Art Gallery, at Youngstown, Ohio, Figure 152. They are of the same length, 120 feet, and are here reproduced at the same scale: they are particularly interesting as being so nearly the type and the size of an average Class "B" plan problem. Each façade is of the three-motive type, and in each the central motive is sub-divided into three; in each case the central motive is a loggia, and in each a niche forms the principal feature of the end motive. The arches of the Butler Art Gallery are fifteen feet from centre to centre of column; the central arch of the Morgan Library is, as we have seen, slightly less, fourteen feet from centre to centre of column. These are particularly good examples to study for their scale and proportion, which are excellent, and also for the careful use of detail, of profile of mouldings, and of the placing of ornament where it will be set off by contrasting surfaces of blank wall. As is

usual, the line drawings hardly do justice to these carefully studied buildings, which depend for their effect on proportion, on beauty of execution, and the judicious placing of a small amount of ornamentation, rather than on a profusion of ornament and a complication lines. The photograph of the Butler Art Gallery as completed, Figure 153, will show how beauty in

good proportions is brought out in executed work. The Morgan Library is so well known as to need no further illustration.

We need give no other examples. The value to the student will be in his making such a study of size and scale and proportion himself, devoting an evening to this purpose during the early stages of each problem.

In speaking of proportion so far we have used only terms of façade; however, all study of proportions is regulated by those of interiors. The natural order of study, for any program, is to make first a tentative disposition of the rooms and spaces required—that is the plan. Then must be determined the necessary heights of stories, of windows, of roofs—that is the section. In reality the plan is only a horizontal section, the section a vertical plan, and these two have as their resultant, a façade. The first study of façade will, of course, cause modifications here and there in plan and section; each of these studies—plan, section, elevation—is the complement of the others; they cannot be treated as successive phases of study.

The usual error is to make motives too small in scale—to crowd too many into a few feet. It is

also a mistake to go to the opposite extreme; extravagant proportions do not give grandeur in composition. This grandeur of aspect is obtained partly by simplicity and unity, but also by the number of elements—a long façade should have a greater number of "bays" than a short one. Thus the façade of the Palace of Versailles fronting on the park, Figure 154, is

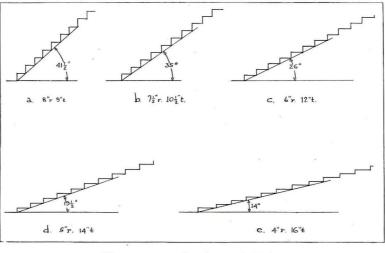
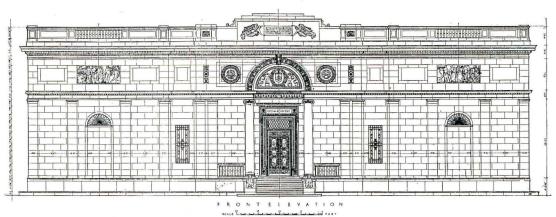
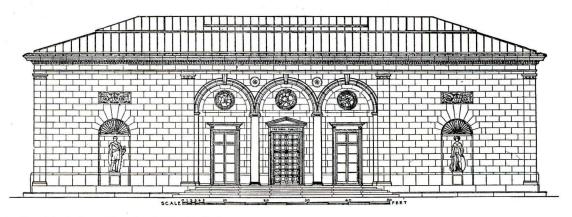


Figure 157. Sections of Stairs.



Copyright by Paul Wenzel and Maurice Krakow.

Figure 151.



Copyright by Paul Wenzel and Maurice Krakow.

Figure 152.

Figure 151, Façade of The Morgan Library, New York, and Figure 152, Façade of The Butler Art Gallery, Youngstown, Ohio, are Reproduced at Reduced Size from the "Monograph of the Work of McKim, Mead & White," by Permission of the Publishers, The Architectural Book Publishing Co., New York City.



Figure 154. Palace of Versailles. General View of Front on the Gardens. From Paul Favier's "L'Architecture et l'Décoration aux Palais de Versailles et des Trianons."

very simple in composition and grand in aspect, but notice how many bays are contained in the projecting central portion—23 bays in 330 feet. The effect of grandeur is here produced by the multiplicity of motives—and these motives are large, quite large. If the number of bays had been reduced to a few there would not have been the same effect of grandeur, even though the total façade had remained the same in size.

It is well to remember in this connection that while some architectural elements may vary greatly in size—that a column may be six or sixty feet high, an arch five or a hundred feet wide—there are other elements that are fairly constant, because they are related to human uses. Thus a balustrade is usually from three to four feet high. The portico of the church of St. Peter at Rome, Figure 155, has a (Continued on page 34)



Copyright by Paul Wenzel and Maurice Krakow.

Figure 153. Photographic View of the Front of the Butler Art Gallery, Youngstown, Ohio. Reproduced at Reduced Size from the "Monograph of the Work of McKim, Mead & White," by Permission of the Publishers, The Architectural Book Publishing Co., New York City.

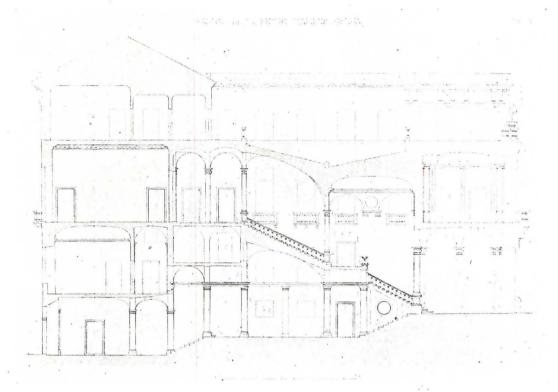


Figure 158. Section, Palazzo Balbi, Genoa. From Reinhardt's "Palast Architektur Italiens, Genua."

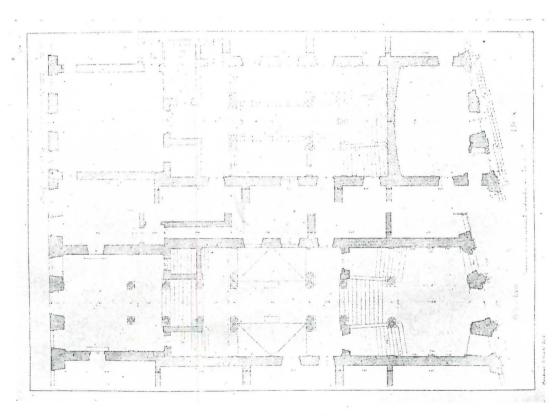


Figure 159. Ground Floor Plan, Palazzo Balbi, Genoa. From Reinhardt's "Palast Architektur Italiens, Genua."

A VOCABULARY OF ATELIER FRENCH. PART II

BY RAYMOND M. HOOD

This is the second installment of a vocabulary which Mr. Hood, Architecte Diplomé par le Gouvernement Français and Chairman of the Committee on Architecture of The Beaux-Arts Institute of Design, is preparing especially for this journal. It will be of special value to students in the atcliers in this country as well as to those who may later study at the Ecole des Beaux Arts in Paris, for there has been, we believe, no vocabulary published giving the special meanings of these words as used in the architectural atclier. As it is believed that an attempt to indicate the pronunciation would be futile, no such attempt is being made here; the pronunciation should be learned from someone who speaks French correctly.—Ed.

C

Caboche: n. f.; (slang) head. Cabot: n. m.; (slang) dog.

Calicot: n. m.; calico; (slang) a ribbon clerk.

Calque: n. m.; arch., tracing paper.

Calquer: v.; to make a tracing or copy.

Camelot: n. m.; a peddler.

Camelote: n. f.; an inferior merchandise; work that is badly done.

Camouflage: n. f.; the art of disguising.

Camoufler: v.; to disguise. Canaille: n. f.; rabble.

Canard: n. m.; a duck; also, false news, a lie.

Carton-pierre: n. m.; paper-maché.

Cartouche: n. m.; an ornamental medallion; n. f.; a cartridge.

Cerner: v.; to surround, to silhouette (as in a drawing).

Chahut: n. m.; a racket, a scandal.

Chahuter: v.; to upset, to throw in disorder, to make a racket.

Chameau: n. m.; a camel; (slang) a bull, an error, a mistake.

Changement: n. m.; a change; changement d'esquisse, change from sketch.

Chapiteau: n. m.; the capital of a column.

Char: n. m.; a wagon, a car; also a float (as in a cortege or parade).

Charrette: n. f.; a cart; en charette (slang, arch.) the final drive to complete a projet.

Châssis: n. m.; a wooden or iron frame; arch.; frame on which a drawing or painting is to be stretched.

Chateau: n. m.; a castle, also a palatial country residence; chateau d'eau, the architectural front of a reservoir of water.

Chef-cochur: n. m.; arch., the student in charge of the nouveaux in an atelier.

Chevalet: n. m.; an easel.

Chic: *n. m.*; style; also used in the ateliers to mean, manual dexterity, or clever technique.

Chicane: n. f.; trickery.

Chichi: n. m.; (a) pretentions, airs; (b) arch.. ornamentation.

Chiper: v.; (slang) to steal.

Choeur: n. m.; choir; arch., choir of a church. Chouette: n. f.; (a) an owl; (b) adj.; (slang) bully, fine.

Chute: n. f.; the action of falling; arch., ornament disposed vertically in the form of a drop, as the "chute" of the Louis XIV style.

Clef: n. f.; (a) key; (b) arch., keystone of an arch.

Ciment: n. m.; cement; ciment armé, or beton armé, reinforced concrete.

Cocasse: adj.; (a) pleasant; (b) ridiculous.
Cochon: n. m.; pig; adj.; (slang) dirty, indecent, smutty; chef-cochon; the student in charge

of the nouveaux in an atelier.

Cocotte: n. f.; a sort of iron pot for cooking; (slang) a demi-mondaine.

Collage: n. m.; sticking, mounting.

Colonne: n. f.; column.

Comble: n. m.; (a) ridge; (b) roof space.

Compas: n. m.; a pair of compasses.

Concierge: n. m.; and f.; the porter or guardian of a building.

Concours: n. m.; competition; hors-de-concours, adj.; ineligible to competition.

Contre-coller: v.; to float a drawing; literally, to stick against.

Coquard: n. m.; an old rooster; (slang) a pretentious and ridiculous old fellow.

Corvée: n. f.; a difficult and thankless task.

Cossu: adj.; rich, well-to-do.

Costand: adj.; strong, powerful.
Couche: n. f.; (a) a bed; (b) a layer; avoir une couche; to be crazy or eccentric.

Couleur: n. f.; color.

Couloir: n. m.; corridor, passage.

Coupe: n. f.; (a) a cup; (b) the action of cutting; (c) arch., a section.

Coupole: n. f.; cupola. Cour: n. f.; court.

Cours: n. m.; course of study. Crasse: n. f.; greasy dirt. Crayon: n. m.; pencil.

Critique: n. m.; a criticism. Croquis: n. m.; a sketch.

Culot: n. m.; (a) the husk in architectural ornament from which grow rinceaux and volutes; (b) (slang) nerve, crust.

D

Dallage: n. m.; a floor or pavement of marble, stone or tile.

Debarbouiller: v.; to wash the face. Dèche: n. f.; (slang) misery, want.

Degagement: n. m., arch., circulation or corridors of a building.

Dégotter: v.; (slang) to dig out, to find.

Dégoûtant: adj.; disgusting. Dégoûter: v.; to disgust. Denticule: n. m.; arch., dentil. Dessin: n. m.; drawing.

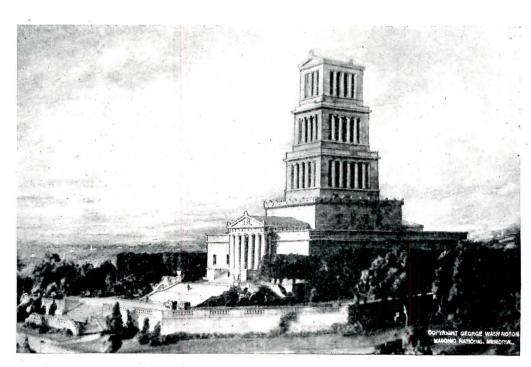
Dessiner: v.; to draw.

Détraqué: n. and adj.; deranged, crazy.

(To Be Continued)



Photograph of a Model for a Proposed Church Building. Scale of Model One-eighth Inch Equals One Foot. Helmle & Corbett, Architects.



Photograph of a Portion of Model for The George Washington Masonic National Memorial, Alexandria, Va. Scale of Model, One Thirty-second of an Inch Equals One Foot. Helmle & Corbett, Architects.

ARCHITECTURAL MODELS OF CARDBOARD, PART II

BY HARVEY W. CORBETT

This is the second installment of an article in which Mr. Harvey W. Corbett of the firm of Helmle & Corbett, Architects, New York, will tell exactly how he makes cardboard models of buildings; how he uses them for study in the process of designing and as a means of presentation. Mr. Corbett will go into the most minute details of the making of these models and will illustrate his descriptions with photographs showing the tools used and the various operations. There will also be numerous interesting photographs of models and of details of models. The making of landscape features, trees, hedges, lawns and other parts of the entourage will be described, also such incidentals as automobiles and figures.—Ed.

THE photographs presented in connection with this article this month represent a cardboard model of a proposed church building at the scale of one-eighth inch to the foot, and a cardboard model showing the design of the proposed George Washington Masonic National Memorial, at Alexandria, Va., at the scale of one thirty-second of an inch to the foot.

As I stated in the first installment of this article, in the April issue, when I began making architectural models of cardboard, I worked at a rather large scale, one-eighth inch to the foot—the model of the church is one of these. Finding that I could attain my purpose by means of a model at smaller scale with less labor, I began making models at one

thirty-second of an inch to the foot—the model of the George Washington Memorial is one of these. It is one of the most recent, just completed, in fact.

By referring to the photographs in these pages, one may see how much of the detail of the model at the larger scale had to be actually constructed of cardboard. It will be noted that the pilasters on the exterior and the mouldings have been built up, (see page 31). It will also be noted that the ceiling is an example of rather elaborate building up, six thick-nesses of mounted water color paper having been used in producing the required depth. The ornament of the ceiling is drawn on the paper in ink and rendered in polychrome with water color. The view of a portion of the interior shown on page 32 also indicates the extent to which it is necessary to construct detail when making a model of any but the more simple type of building at so comparatively large a scale as one-eighth inch

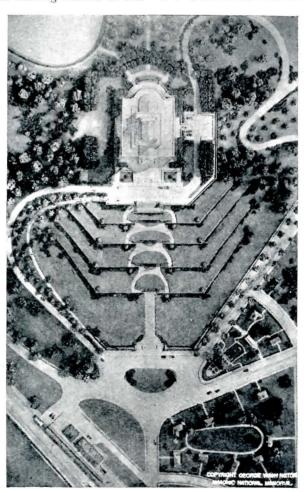
to the foot. In this model the stained glass windows are represented by pieces of mica upon which the leading has been drawn in waterproof ink and the colors suggested by touches of water color. Miniature electric bulbs are concealed in the panels of some of the arches. The altar and its fittings, as well as the detail about the main entrance, were constructed with very considerable care.

This model consists of six pieces. There is a base or platform section, including the floor of the church, the portion of the walls from the floor level to grade and the grounds and walks around the building. Upon this may be placed, in their proper relation, the four walls. Each wall section is of a thickness that corresponds in the scale of the

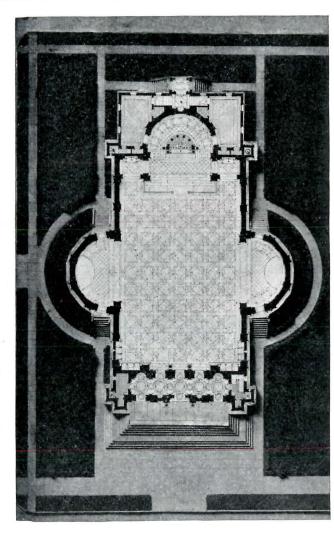
model to the thickness of the walls of the building. The walls are built of mounted watercolor paper, hollow but reinforced and firmly braced within. These walls are held in place on the platform by small dowels. Resting on the walls and held in place by dowels is the roof portion, on the under side of which is the ceiling shown in the photograph reproduced on page 30.

Contrast with the model of the church the small-scale model of the Washington Memorial in which by far the greater part of the detail that would, of necessity, have been constructed in a model at one-eighth inch scale has been represented by rendering on the small-scale model. There is still quite enough to construct in a model of this kind.

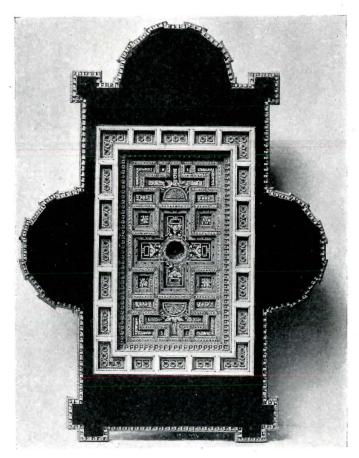
The base of this model is built up to correctly represent the contour of the ground, the levels of the proposed terraces, and the grades of the roadways and paths—all the changes of level in the grounds. This was done by constructing a grid of



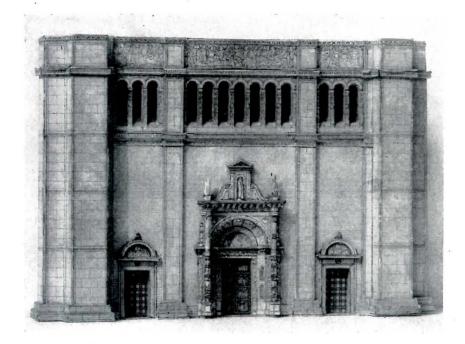
Plan View of Model for The George Washington Masonic National Memorial, Alexandria, Va. Helmle & Corbett, Architects.



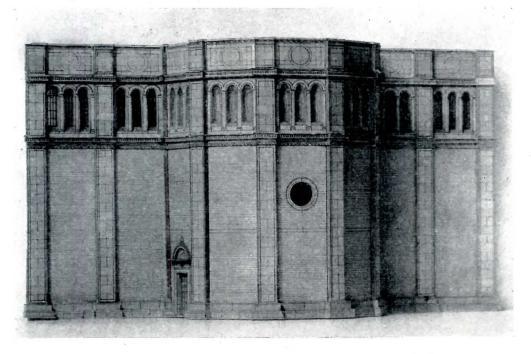
Photograph of Base of Model for a Proposed Church Building. Scale of Model, One-eighth Inch Equals One Foot. Helmle & Corbett, Architects.



Photograph of Under Side of Roof Portion of Model for a Proposed Church Building, Showing Coffered Ceiling with Polychrome Decoration. Helmle & Corbett, Architects.



Front Portion of Model for a Proposed Church Building. Helmle & Corbett, Architects.



One of the Side-pieces of Model for a Proposed Church Building. Helmle & Corbett, Architects.

mat board on the same plan as the cardboard arrangement used in an egg crate, the top edges of the pieces of cardboard were cut to the contour. One set of cardboard strips extends from side to side, while the other set extends lengthwise of the base. Where they cross, they are notched and halved into each other. The plan of the grounds was rendered on a sheet of mounted watercolor paper, the lines of the terraces were cut through and the whole laid down on the foundation just described, the flaps representing the terraces being forced up. The retaining walls were then built of cardboard set on edge. The point at which the memorial will stand is about one hundred feet above the level at the railroad station. The memorial itself will be two hundred feet in height.

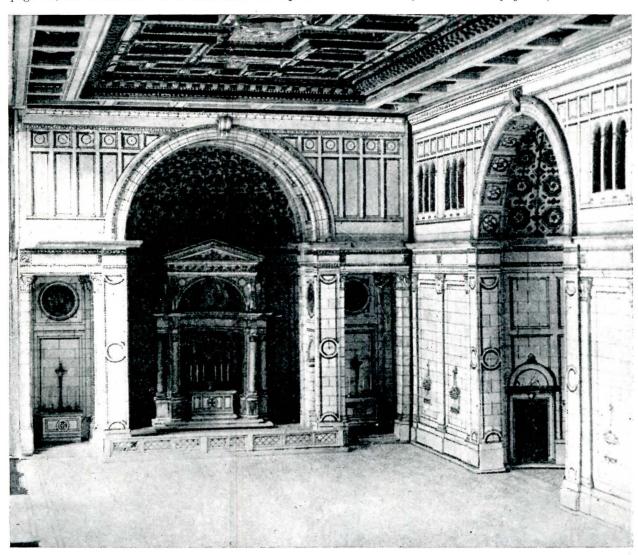
The model shows trees, shrubs, areas of grass roads and other features all worked out to scale and in the appropriate colors.

In the plan view of the model reproduced on page 29, the memorial will be seen near the top of

the picture. In the lower left-hand corner is the railway station at Alexandria, Va., with a train standing at the platform. In the lower right-hand corner is a block of suburban homes, representing the character of the outskirts of the city adjoining the site upon which the memorial is to be built. On the roadways are models of automobiles done to scale.

The George Washington Masonic National Memorial will contain in the central portion of the ground floor a large memorial hall. At the end of the hall opposite the entrance will stand a statue of George Washington of heroic size. The walls of the hall will be surrounded by a colonnade and it will be lighted with clearstory windows at the sides. Beneath these windows will be mural paintings of an historic character. At right and left of the memorial hall will be the commandery room and a lodge room for the local lodge at Alexandria. At the left of the entrance will be a room, fitted up as

(Continued on page 37)



Photograph of Portion of the Interior of Model for a Proposed Church Building. Scale of Model, One eighth Inch Equals One Foot. Helmle & Corbett, Architects.

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THE AMERICAN ACADEMY IN ROME.

THE AMERICAN ACADEMY IN ROME.

FROM a letter received by Mr. C. Grant LaFarge, Secretary of the American Academy in Rome, from Mr. Gorham P. Stevens, the Director, we quote the following:

"Mr. and Mrs. Mead have been in town through the month, and Mr. Mead has come to the Academy almost every morning for two hours. Mr. Mead has been present at the meeting of the Academic Council, and he has likewise attended a meeting of the Library Committee. He has signed a power of attorney which enables me to act in cases of emergency, a thing which Lawyer Del Frate has been anxious to secure for some time. His Majesty the King has decorated Mr. Mead with the order of Commendatore of the Crown of Italy, and Mr. Mead has called upon the King to thank him for the honor. Mr. Mead has always been a champion of Italian architecture, and the good which he has brought to America can scarcely be overestimated. As far as Italy is concerned, the Renaissance in America for Italian architecture has caused many students and architects to visit Italy. The faith which Mr. Mead has in the civilizing effect of Italy upon America is amply proved by the fact that he was an original incorporator of the Academy and has been, for the last eleven years, its president. He has called upon Mr. H. Nelson Gay, who now possesses the largest library upon the Risorgimento. Mr. Mead has gone over the proposed budget for next year, and he has given us great assistance in its preparation. Just before leaving Rome, Mr. and Mrs. Mead went through the studios. They have gone to Sestri Levante, near Genoa, to recover from a rather strenuous time in Rome.

"Mr. Vitale has likewise been in town during the last month. He has attended the meetings of the Faculty

Kome.

"Mr. Vitale has likewise been in town during the last month. He has attended the meetings of the Faculty and arranged the new plants and trees about the Main Building. We now have a fine set of potted laurels. Mr. Kendall is giving these various plants, at least those which exceed the \$200 voted for quick-growing plants, by the trustees.

"Professors Whicher and McCrea have both been asked to lecture before the British and American Archaeological Association.

"Professor Fairharks has suffered from a touch of

logical Association.

"Professor Fairbanks has suffered from a touch of pneumonia and pleurisy, but he is now about again; in fact, he has gone to Florence for a few days.

fact, he has gone to Florence for a few days.

"Landscape Architect Lawson is still in Paris, working on the graves of American soldiers buried in France and England. His immediate chief has gone to America, so that he is now occupying a position of responsibility.

"One excursion was made, namely that to the Villa Cattena, situated between Tivoli and Frascati. This is a fine Renaissance villa, of considerable historical importance, and yet it has never been drawn out or photographed, due to the fact that it is seven miles from the nearest railroad station and in an inaccessible district. Landscape Architect Griswold is planning to measure the villa.

"A young Philippino architect, graduate of the University of Pennsylvania, has arrived.

"The banking situation in Rome is still unsolved, although this problem will be one of the first to be considered by the new ministry, which has just been formed. The American Ambassador and Lawyer Del Frate have both been helping us to see if it is possible to draw out some of our money, but without success—we are to be treated like all other creditors. The American Am-

bassador himself has money tied up in the bank. Professor Emerson, head of the Department of Architecture at the Massachusetts Institute of Technology, has sent \$750 to assist those "Tech" men who are in difficulties on account of the closing of the Banca di Sconto, and other visiting students at the Academy have received assistance from their respective organizations in America.

"A Mr. George G. Booth, a publisher from Detroit, Michigan, has shown great interest in the Academy. He came here twice and has not only seen all the studios, but has also gone into the question of our finances. Mr. Lemond saw him in America during the drive last year and has now secured a promise from him to contribute to the Academy when Mr. Booth returns to America.

"The washing plant is now installed and working; there are, however, a few adjustments which still need to be made in order to perfect it.

to be made in order to perfect it.

"A Swiss lady, who owns a fine ancestral castle in Switzerland, is trying to start a Swiss academy, and she has come to us not only for information, but also to see if it would be possible for the two academies to collaborate. She is willing to take our students into residence, and would like to have a similar privilege for her students when they come to Rome. I have explained to her that this is impossible, but that we would be glad to assist her students in every other way possible. Even under these conditions she is willing to take our students into residence, and perhaps something of this nature might be advantageous to our students after they have fulfilled their terms at the Academy and for the Musicians.

KEITH CHEETHAM is the winner of the Chicago Architectural Club's Annual Foreign Travelling Scholarship for the year 1922.

Mr. Cheetham was born in Australia, but for the past few years has been a Chicagoan and a very active member of the Chicago Architectural Club.

He has been engaged in architectural work for several years, having started in his native country. He has been connected with a number of the leading architectural offices in the West and is now with Coolidge & Hodgdon, Chicago.

Mr. Cheetham will leave about June 1 for Paris, where he expects to meet A. S. Morphett, the winner of last year's scholarship, and make part of his journey in his company. He hopes to include in his tour many points of interest in Italy, France and England, and possibly some in Spain, studying as thoroughly as possible in each country.



KEITH CHEETHAM.

THE STUDY OF ARCHITECTURAL DESIGN.

(Continued from page 25)

balustrade of six feet in height, but this structure never shows its great size; there is quite a shock when one sees a human figure standing beside the balustrade.

When a greater height than four feet is needed for architectural effect, where a balustrade is used to crown a building, for instance, it can be set on a pedestal as in Figure 156, the building of the Chamber of Deputies, Paris, and as is also done in the Seventh Avenue façade of the Pennsylvania Railroad Station in New York City, so that the height of the motive may be propo, tioned to the scale of the composition, while the balustrade still retains its proper relation to human sizes.

Steps also have their relation to human uses; this is not a detail, but has an active and striking effect on design; many times sections are drawn showing ornate, complicated architectural motives surrounding a stairway which by reason of the size of the rise and tread of the angle from top to bottom, is nothing but a slide.

Fire and panic laws prevent a stair being made steeper than 8-inch rise and 9-inch tread—which gives the angle shown in a, Figure 157. Note the slope; it is the steepest that can be used for a service stair or a fire tower. A domestic stair—by that I mean the stair in a small house or bungalow—is frequently made with 7½-inch rise and 10½-inch tread, as shown in b, Figure 157; in the better class of such work the figures are more apt to be 7-inch rise, 11-inch tread. The stair so conveniently laid out with a scale, with 6-inch rise and 12-inch tread, is shown in c of the same figure. None of these are "monumental" stairs; they are not suitable for the important vertical communications of monumental buildings. For such a stairway, a 5½-inch rise with a 13½-inch tread, or a 5-inch rise and a 14-inch tread, as shown in d, Figure 157, is more suitable.

The effect of these different slopes on a section is considerable. In the first place, the lower the individual riser, the greater becomes its total length, the total height being constant.

For an o

INTERIOR STAIRS

NCE		
534"	1534"	20
51/2"	1534"	19
alid 434"	15"	18
53/8" 6"	14 ½" 13"	20 25
1LY		
5 ¼ " 5 ¾ " 4 ¾ " 4 ½ " 5 ¾ "	21 ¼" 16 ½" 16" 14 ½"	14 19 161/2 171/2
	of Rise in Inches 534" 534" 434" 538" 6" 11, Y	Height of Rise of Tread in Inches in Inches 534" 1534" 552" 1534" alid 434" 15" 536" 1442" 13" 1514" 1526" 434" 1616" 434" 16" 434" 16" 434" 16" 434" 16" 16" 16" 16" 16" 16" 16" 16" 16" 16

These examples will show that in monumental architecture the slope of stairways is very gentle. Exterior stairways should be still more gentle in slope. The following table will be of value:—

EXTERIOR	STAIRS

Example	Height of Rise in Inches	Width of Tread in Inches	Angle of Slope in Degrees
Versailles Stair of One Hundred Steps Fontainbleau	51/2"	1534"	19
Court of Honor Perron Palais de Justice	4 1/4"	161/4"	15
Court of Honor Perron	51/4"	161/8"	18

Many of the palaces of Genoa, built on hillsides, show the beauty that may be given by a well designed stair. That in the Balbi Palace, Figure 158, is a most interest-ing arrangement; it shows the very considerable place that stairways occupied in Italian Renaissance buildings: this stair is shown in plan in Figure 159. To mention one or two fine examples in this country, the main stair in the Pennsylvania Railroad Station, New

York City—the stair from the big central waiting hall to the passage to Seventh Avenue—has a tread of 17 inches and a rise of 6 inches, to which must be added one-half inch of slope in the tread; and the monumental flight of steps across the front elevation of the new postoffice building, New York City, has a tread of 18 inches and a rise of 5½ inches with a one-quarter inch slope in the tread.

We must also remember that floor height plays a very important role in the question of scale. Small domestic buildings with a clear height of eight or nine feet, will give in façade very different character from the more pretentious city residence with its clear floor heights of twelve feet or more, and, in turn, monumental buildings with vaulted rooms from thirty to sixty feet in the clear, or more, will immediately affect the design of elevation; in these latter buildings, lower floors or parts of floors are introduced for service spaces—for functions which are not "monumental," in fact, and which are only used by the force belonging to the building.

In very high buildings the so-called "typical" floor, which makes up the largest part of the building and occupies most of the total height in façade, is standardized by the question of cost on the one hand, of light and air, etc., on the other; this height is in the neighborhood of eleven feet six inches to twelve feet, from floor to floor.

In conclusion, let me again borrow from Guadet: Study pure drawing as much as possible. Proportion plays an immense role in the study of architecture; the sense of proportion is first of all an artistic sense, and nothing develops the sense of proportion as does the exercise of drawing.

Proportions in architecture are difficult and delicate—they are even more so in nature; among a thousand faces there are not two identical, and yet they are all made on the same "program"—the composition is the same—it is only a question of proportions. And what is it to be able to draw? It is to perceive and then to express the specific proportions

HAVE YOU AN ARCHITECTURAL CLUB?

HAVE YOU AN ARCHITECTURAL CLUB?

If THERE is an architectural club, or any society formed of men who are engaged in architectural work or in the study of architecture in your city, we shall appreciate it if you will send us the name of the organization, names of the officers, address of the secretary, and a statement of the aims and activities of the organization. We shall be glad to publish such information as news in PENCIL POINTS and to be of assistance in every way possible. Let the other fellows know that you are on the map.—ED,

ROYAL GOLD MEDAL FOR ARCHITECTURE.

ROYAL GOLD MEDAL FOR ARCHITECTURE.

I'T is announced in the "Journal of the Royal Institute of British Architects" that Thomas Hastings (of the firm of Carrère & Hastings, Architects, New York) has been elected and his name will be submitted to His Majesty the King as a fit recipient of the Royal Gold Medal for Architecture for the year 1922. Upon the approval of the award by His Majesty, the Medal will be presented to Mr. Hastings at a formal meeting on June 26.

Since the institution of this medal by Queen Victoria in 1848, it has been conferred upon American architects on only two previous occasions; upon Richard Morris Hunt, in 1893, and upon Charles Follen McKim, in 1903.

PERSPECTIVE DRAWING, PART XXIII.

(Continued from page 21)

at point t'. Then lower a perpendicular until it intersects line C V P I at point t'", and continuing line g g' to point V P I on the Horizon Line, it will intersect line t' t'" at point t'', and enclosing with straight lines points e' g' t'' t''' M e'' and e', we will obtain the perspective of the left wing of the building in its mass. Doing likewise, by uniting points e' a''' a'' w h' p'', (lowering a perpendicular from point p'' to line g' e'), then uniting points a''' a'' w h' h'' y b'' back again to a'''; also uniting points y to w, and b'' to a'', and again, g'' to g'' and g' to g'', and M to g''', etc. using the respective vanishing points as indicated in Figure 52, we have completed the operation and found the perspective of the mass of the entire building. By this we have obtained the true perspective of the mass of the building, cutting it out, as it were, from a solid block, working from a perspective plan, and are capable of proving each step to be mathematically correct and consistent with the requirements of the problem as indicated by the accompanying diagrams, and covering the minimum possible area for our operations. In the following issues we shall continue to develop the perspective, locating openings, and entering into the details, until we shall represent the entire building, complete in perspective.



LIONEL H. PRIES

LIONEL H. PRIES, who has just won the Le Brun Travelling Scholarship for 1922, was born in San Francisco, California. He attended public schools at Berkeley, California, also the Lick-Wilmerding Schools at San Francisco. He entered the University of California in 1916, and graduated with an A. B. degree in Architecture. He then took a year of graduate study under Professor Paul P. Cret at the University of Pennsylvania, where he received a degree of M. Arch.

Mr. Pries won the competition for the design of the "1920 Class Memorial Bench," now executed, on the campus of the University of California, one of the first uses of the native travertine. While at the University of Pennsylvania he was awarded the Arthur Spayd Brooke Medal for merit in design. He was placed second in the 1921 competition for the fellowship in architecture at the American Academy in Rome. He won an award in the Birch Burdette Long Sketch Competition for 1921.

Mr. Pries is a member of Tau Sigma Delta (architectural honorary) and Tau Beta Pi (engineering honorary). He is a member of the T_Square Club, Philadelphia.

He has been employed in the offices of Messrs. John

phia.

He has been employed in the offices of Messrs. John Galen Howard and of Charles K. Sumner in San Francisco, and in the office of Mr. John P. B. Sinkler in Philadelphia. Mr. Pries is at present with Mr. Edgar V. Seeler, Architect, Philadelphia.

ST. LOUIS ARCHITECTURAL CLUB.

ST. LOUIS ARCHITECTURAL CLUB.

THE St. Louis Architectural Club from its humble beginning in 1894 has weathered the storms, grown, prospered and is starting on another season, the proud owner of its own quarters, with money in the bank, and a strong atelier.

Among the innovations announced for the coming year will be, the initial performance of an elaborate ritual ceremony of initiation, the result of much steady, earnest work on the part of the committee. Second, a "Bal Masque" that promises to rival any similar social function in the country will be given. Third, the traditional Theatrical Night will be revived. Fourth, "Ladies' Night" with a real, high-brow program will be a feature of the club's life. Fifth, stress will be laid on educational talks followed by quizzes. Sixth, there will be Radio Concerts.

At the annual meeting the following officers were elected: F. Ray Leimkuehler, President; Herbert Winkler, First Vice-President; Walter Wawrzyniak, Second

Vice-President; Theron Groves, Secretary; Herbert Reinhardt, Treasurer; Herman Frauenfelder, Carl Trebus, Robert Rosebrough, Executive Boad; Hugo Graff, Trustee. In May, Wm. B. Ittner will talk to the club on school

FINAL COMPETITORS CHOSEN

FINAL COMPETITORS CHOSEN

The juries that judged the work in the preliminary competitions for the Prizes of Rome, have chosen the final competitors as follows: In Architecture—L. P. Botting (M. I. T.); W. G. French (Cornell); C. F. Fuller (Harvard and Columbia); G. K. Geerlings (U. of Pa.); J. M. Hirschman (U. of Pa.); E. M. Loye (Minn. and Harvard); H. G. Marceau (Columbia); W. E. Meissner (M. I. T.); B. A. Weber (M. I. T.). In Painting—Alfred Floegel, R. G. Gifford and J. C. White. In Sculpture—Joseph Lore, L. T. Stevens and Wheeler Williams. A Fellowship for three years in the American Academy in Rome will be awarded to the winner in each subject.

SUMMER COURSES AT M. I. T.

SUMMER COURSES AT M. I. T.

THIS summer the Massachusetts Institute of Technology will offer courses in shades and shadows, perspective, office practice, elementary and advanced constructive design, elementary and intermediate architectural design and structural design. These courses will be given at the Rogers Building, Boston. If satisfactorily passed, any of these courses may be substituted for corresponding winter work. Full information concerning these courses can be had from Professor William Emerson, 491 Boylston Street, Boston, Mass.

NEW ROCHELLE ART ASSOCIATION

A N Architectural Exhibition was held recently by the New Rochelle Art Association, New Rochelle, N. Y. The membership list of this association includes the names of a great many artists of distinction. Some of these artists work and live in New Rochelle, while others have homes in that city and studios in New York. It is stated that more than fifty per cent of the illustrations in fifteen of the leading magazines in the country are produced by artists living in New Rochelle.

MECHANICS' INSTITUTE.

THE work of students in the architectural classes at the Mechanics' Institute School was exhibited at the Institute, 20 West 44th Street, New York City, April 11. Instruction in these classes is free. The training of students in architecture is one of the many branches of the educational work carried on under the direction of Mr. Louis Rouillion, at the Mechanics' Institute by The General Society of Mechanics and Tradesmen.

PERSONALS

H. T. LINDEBERG, Architect, has opened a branch office, under the management of his associate, John F. Staub, in the Union National Bank Building, Houston, Texas.

OSCAR T. LANG. ARNOLD I. RAUGLAND AND CAR-ROLL E. LEWIS have opened an office for the practice of Architecture and Engineering, under the firm name of Lang, Raugland & Lewis, at 627 Metropolitan Bank Building, Minneapolis, Minn.

WILLIAM C. PRESTO, Architect, has removed his offices to Suite 726, Conway Building, 111 West Washington Street, Chicago, Ill.

MALCOLM MacGREGOR KILDUFF has opened an office for the practice of architecture at 197 St. Mark's Place, New Brighton, Staten Island, N. Y.

LAYTON ALLEN AND HUBERT M. GARRIOTT have become associated in the practice of Architecture under the firm name of Allen & Garriott, Architects, with offices at 401 Lombard Building, Indianapolis, Ind., and 4 Masonic Building, Logansport, Ind.

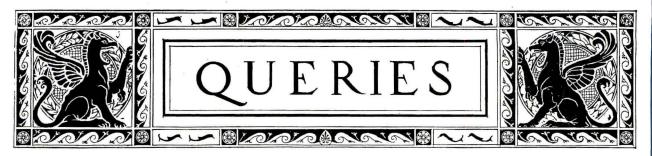
WILLIAM C. TUCKER has just been retained as Consulting Sanitary Engineer for the proposed thirty-one story hotel on the block fronting on Lexington Avenue between 48th and 49th Streets, New York City. The equipment of this building will include a large swimming pool, club quarters, gymnasium, bowling alleys, etc.

GREGORY BURKITT WEBB, Architect, removed his offices on April 15 to the Winfield Building, 469 Fifth Avenue, New York.

GEO. J. LOBENSTEIN has opened an office for the practice of architecture at 859 Flatbush Ave., Brooklyn, N. Y. HERMAN M. SOHN, Architect, has removed his offices to the Winfield Building, 469 Fifth Avenue, New York.

R. GUASTAVINO COMPANY, for many years located in the Flatiron Building, New York, will move on May 1, to 1133 Broadway.

 OSCAR VATET, Architect, has removed his offices to 565 Fifth Avenue, New York City.



In this department Pencil Points will endeavor to answer questions of general interest pertaining to Architecture and allied arts, giving the best available information from authoritative sources. We desire that you feel free at all times to make use of this service, inviting your co-operation in making the department both interesting and valuable. Should you desire an answer by mail, enclose stamp for reply. Address queries to The Editor, Pencil Points, Metropolitan Tower, New York City.

Question—Will you kindly recommend some books of plates of designs for garden gates and balustrades of wrought iron? Answer—You will find much valuable material of this kind in the following works: "English Iron Work of the XVII and XVIII Centuries," J. Starkie Gardner. London, B. T. Batsford. New York, Wm. Heilburn. (Out of print.) "Motifs Divers de Serrurerie," Cesar Daly. "Rejeria of the Spanish Renaissance," Byne and Stapley. New York, The Hispanic Society of New York. "Gardens Old and New," published by Country Life. "Garden Ornament," Gertrude Jekyll. "English and Scottish Wrought Iron Work," Murphy, London, B. T. Batsford. "Gardens of Italy," Bolton, Country Life. "Divers Styles des Jardins," Fouguier, Paris. (Out of print.) You may be able to see the "Out of print" books in your nearest public library or may be able to obtain them through some dealer in architectural books.

in your nearest public library or may be able to obtain them through some dealer in architectural books.

Question—I shall regard it as a favor if you will give me information on "Concrete in History." Will you please answer in your Queries department? J. S. Answer—From the engineer's point of view, Hool and Johnson "Concrete Engineers' Handbook," price \$6.00, or Hool's "Concrete Engineer's Library," price \$6.00, or Hool's "Concrete Engineer's Library," price \$20.56, both published by McGraw-Hill Book Company, Inc., New York, are excellent expositions of the subject of reinforced concrete. From the purely historical point of view we suggest the following: General History—Architectural Publication Society, "Dictionary of Architecture, I, p. 125. Viollet le Duc, "Dictionary of Architecture, I, p. 205. Goodwin, George, "Prize Essay upon the Nature and Properties of Concrete and Its Application to Construction Up to the Present Period" (In "Transactions of the Institute of British Architects," 1835-36, Vol. I, pp. 1-37). Potter, Thomas, "Concrete: Its Uses in Buildings, from Foundations to Finish," 3d ed., London, Batsford, Pub., 1908. Potter, Thomas, "The Early Use of Concrete" (In the "American Architect and Building News," 1906, Vol. 89, June, p. 208-211). Phoenician and Carthagenian—Perrot and Chipiez, "Histoire de l'Art dans l'Antique," III, pp. 362-366. Roman-Choisy, Auguste, "T'Art de Batir Chez les Romains," Paris, 1873. Middleton, J. H., "The Remains of Ancient Rome," 2 V., London, 1892. Van Deman, E. B., "Methods of Determining the Date of Roman Concrete Monuments" (In the "American Journal of Archaeology," 1912. V. 16, pp. 230-251, 387-432, illus.). Van Deman, E. B., "The So-called Flavian Rostra." (In the "American Journal of Archaeology," 1912. V. 16, pp. 230-251, 387-432, illus.). Van Deman, E. B., "The Atrium Vestae," Washington Carnegie Institution. 1909. Reinforced Concrete (hypothetical)—Normand, Ch., "Essai Sur l'Existence d'Une Architecture Metallique Antique" (In "Encyclopedia d'Architecture."

Question—Will you give me the names of some books on rural architecture? O. L. S. Answer—We suggest the following books: "Old Cottages and Farm Houses in Sussex and Kent." also of similar title on the cottages and farm houses in East Anglia, Surrey, Shropshire, and the Cotswold District. These books are by Davie. They are very good, but since they are out of print are not easy to refer to. In addition to these we recommend: Weaver, "Gardens for the Small Country House," pub. by Country Life Press, London, Eng. "Farm Houses and Their Repair," Mary Northend, pub. by Little, Brown & Company, Boston. "Homes of Moderate Cost," Dalzell, pub. by "The American Architect," New York. "Houses and Gardens," Lutyens, pub. by Country Life Press, London, Eng.

Question—Will you give me the name of a good book on heating and ventilating? R. A. F. Answer—"Designing Heating and Ventilating Systems," by Charles A. Fuller, published by David Williams Co., New York.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIR-CULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912,

Of PENCIL POINTS, published monthly at Stamford, Conn., for April 1, 1922.

State of New York, County of New York, ss.,

Before me, a Notary Public, in and for the State and County aforesaid, personally appeared Ralph Reinhold, who, having been duly sworn according to law, deposes and says that he is the President of corporation publishing Pencil Points, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations, printed on the reverse of this form, to wit: to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:

Name of Post office address Publisher, The Pencil Points Press, Inc., Stamford, Conn. Editor, Eugene Clute, One Madison Avenue, New York, N. Y.

Editor, Eugene Clute, One Madison Avenue, New York, N. Y. Managing Editor, None.

Business Managers, W. V. Montgomery and Ray D. Finel, One Madison Avenue, New York, N. Y.

2. That the owners are: (Give names and addresses of individual owners, or, if a corporation, give its name and the names and addresses of stockholders owning or holding 1 per cent. or more of the total amount of stock.)

ot the total amount of stock.)

The Pencil Points Press, Inc., Stamford, Conn.

Ralph Reinhold, One Madison Avenue, New York, N. Y.

F. W. Robinson, One Madison Avenue, New York, N. Y.

E. G. Nellis, One Madison Avenue, New York, N. Y.

Marion S. Carpenter, 907 Fifth Avenue, New York, N. Y.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent. or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None.

4. That the two paragraphs next above, giving the names of the

state.) None.

4. That the two paragraphs next above, giving the names of the owners, stockholders and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this

RALPH REINHOLD, President.

Sworn to and subscribed before me this 14th day of March, 1922. [SEAL.]

> G. H. SYKES,
> Notary Public. My commission expires March 30, 1922.

ARCHITECTURAL DETAIL, PART XIII.

(Continued from page 12)

color vibration. Especially is this true of enamelled erra cotta where the individual pieces are larger than n tile faience.

The surface of fairness. color vibration.

color vibration. Especially is this true of enamelled term correction. Especially is this true of enamel and the correction of the color to prove the color of the color to prove the color to prove the color to prove the color to puddle and a difference in value cover when viewed at an angle the shine, to be found in all high glaze enamels, gave high lights throughout the slightly billowing surface, white caps on the crests (like it is done now-a-days; possibly because the architects appreciate too little the capacities of the material, and do not demand it. There is a marked difference between high-glaze semi-tects appreciate too little the capacities of the material, and do not demand it. There is a marked difference between high-glaze semi-tects appreciate too little the capacities of the material, and a material should be considered to the color effect of polished and honed marble. I have not had experience with the use of the two finishes together, but I believe a successful contrast might be obtained by using a hand finished, uneven body with high and a mat finish for the darker backgrounds. Contrasting surface texture of this kind is well known in the half-glazed red body tille where the unglazed body of the subject projects to the upper surface and a deep by making depressions.

Within the last few years, another contrasting of textures has been obtained by setting red or enamelled tile, flat or modelled, in a background. That is an insert and that the real cement John surface and a deep by making depressions in a single tile, to be grouted full of cement. The last saves the expense of setting up smaller elements of a design where several all within the limits of a single tile size. The project-reliance of the design and that the real cement joints are the ones at fellows in the same cement background. That is an insert and that the real cement

tile in a dead black joint. If the tile are waxed or oiled (glazed tile should never be either waxed or oiled (glazed tile should never be either waxed or oiled (glazed tile should never be either waxed or oiled takes on a lust on them and collects dirt), the black takes on a lust on them and collects dirt), the black takes on a lust on them and collects dirt), the black takes on a lust on them and collects dirt, which, after repeated oillings becomes almost black and has an old antique look that is quite pleasing.

The concrete under-bed of floors should be made of common the concrete under-bed of floors should be made of the tile when bedded will finish flush with a surrounding floor. Spread a thin layer one-sixteenth inch thick of neat dry cement on this under surface just before bedding the tile. For wall tile, the thin neat cement can be brushed et as a sort of cream. It must not be section and on it lay a board, tapping it down to the right level. The bed is usually one-half inch thick when finished. Bed the tile in cement mortar one to two, or one to two and one-half, and if the joints are to be white or if the tile are enamelled or oiled, a floor may be sufficiently set up not to come out, but not long enough to allow the cement to set into the face of the tile. Over night may be about right, but cold will extend the period considerably.

Another method is or who the tile with damp sawdust does not stick in the joints. After cleaning unglazed tile with the excelsior or sawdust, if cement continues to stick, go over it with muriatic acid and water, one to ten or one to fifteen parts. Obtain a good sharp, coarse grained sawdust and never use chestnut as it stains the floor. The mortar for joints should be also the property of the sawdust and never use chestnut as it stains the floor. The mortar for joints should be also the property of the property of the water and the water of the part of the water and the water and the parts. Some authorities advise oiling unglazed tile with raw linseed oil before filli

ARCHITECTURAL MODELS OF CARDBOARD.

(Continued from page 32)

a replica of the Masonic lodge room at Alexandria in which George Washington presided as master. Full data concerning this room have been preserved and the reproduction will be faithful in every particular. The room will be furnished with old pieces and it will contain original records treasured by the lodge in Alexandria.

contain original records treasured by the road andria.

The model of the memorial itself is so constructed that the tower portion can be lifted off in three sections. Other models for this portion of the memorial were carefully made and tried out and the design shown in the illustration on the lower part of page 28 finally adopted. This view shows only a part of the grounds represented in the model and the painted landscape background. In the next issue I shall go more deeply into the process of making models of this kind.

THE SPECIFICATION DESK

A Department for Specification Writers

MISCELLANEOUS ITEMS OF CONSTRUCTION PART III.

By Otto Gaertner

In this series of notes Mr. Gaertner of the staff of McKim, Mead & White, Architects, will treat of a number of the minor matters of construction that are troublesome unless the architect happens to have met a similar problem previously—matters of a more or less special nature.—Ep.

some uniess the archiect happens to have met a similar problem previously—matters of a more or less special nature.—Ed.

The Constructing and Proportioning of the Parts of the Fireplace—In the case of the fireplace the first things to determine are the size and the design. Fireplace openings are usually made from thirty to sixty inches to determine are the size and the design. Fireplace openings are usually made from thirty to sixty inches should not be as high as they are wide, although the smaller-size fireplaces generally work properly if all the other features connected therewith are correctly proportioned and constructed. The usual proportions are for the height to be about two-thirds to three-quarters of the width. If the opening is too high, too much cold air will be drawn in over the fire instead of through it.

a metal shield must be set into the upper part of the opening to reduce its height. But such a shield is difficult to design so that it will tie in with the fireplace design and not look like an after-thought.

The depth of the fireplace opening is usually made from one-half to two-thirds its height, but it should never be less than sixteen inches for burning coal and extended the should never be more than twenty-four inches, however, as a deep fireplace does not throw much heat into the room. To increase the amount of heat thrown out, the sides of the opening should extend four inches back from the scing and at right angles to i and then back of the scing and at right angles to i and then back of the fireplace does not throw much heat into the room. To increase the amount of heat thrown out, the sides of the opening should extend four inches back from the scing and at right angles to i and then back of the fireplace of the scing and at right angles to i and then back of the fireplace opening should be built with the length of the logs to be burned or the size of the grate to be installed.

The back of the fireplace opening should be built with the length of the lopening and extending to at leas

freplace opening. Its area should be from one to one and one-half times the area of the smoke flue, but its width should never be less than three inches and more half times the area of the smoke flue, but its width should never be less than three inches and more large will let the air escape toward the flue before it is thoroughly heated, resulting in less velocity and a poor draft. There are several iron throat and damper combinations on the market that may be used in connections of a pivoted or hinged damper set into a frame and regulated by a bar back of the fireplace opening, and also to support the masonry forming the head of the opening. But when such a combination is used the smoke shelf according to the smoke shelf and the support of the smoke shelf and the support of the smoke shelf and the support of the support of the smoke shelf and the support of the

by deposits of mortar drippings, brick, and other rubbish while it is being built, and by soot afterward. Our chimney fires are often caused by deposits of soot, with the consequent danger of the property of the course of the process of the course of the process of the proces

the can below.

All mortar used in connection with the work should be Portland cement mortar. No masonry should be corbeled out more than eight inches and this amount of projection should be secured by at least five courses. However, if the wall from which the corbeling is done is heavy enough to carry the load, the projection may be made greater, and supported on iron beams or angles covered by a plate to receive the masonry.

PUBLICATIONS OF INTEREST TO THE SPECIFICATION WRITER.

Any publication mentioned under this heading will be sent free, unless otherwise noted, upon request, to readers of Pencil Points by the firm issuing the publication. When writing for any of these items please mention Pencil POINTS.

Modern Memorials in Marble—Handsome 80-page brochure. Sixty-six illustrations in color showing ancient and modern memorials in marble. Exterior and interior views. 7½ x 10½ in. Applicants are requested to use business letterhead. Vermont Marble Co., Procter, Vt.

Specifications and Construction Details—Booklet showing complete line of door hangers and special hardware for elevator and other sliding doors. Sections showing construction and application. 32 pp. 8½ x 11 in. Reliance-Grant Elevator Equipment Corp., 101 Park Avenue, New York.

Truscon Steel Basement Windows—Detail sheet showing improved type of equipment. Sections and working drawings. 8½ x 11 in. Truscon Steel Co., 250 West Lafayette Blvd., Detroit, Mich.

Chains and Hardware Specialties—Catalog No. 11. Showing complete line of window and other chains for use in buildings, sash fixtures, etc. 40 pp. 7 x 9 in. Smith & Egge Mfg. Co., Bridgeport, Conn.

Ben-Ox Interchangeable Devices—Bulletin illustrating and describing special wiring devices for suspended lighting units. 16 pp. 8 x 10½ in. Beniamin Electric Mfg. Co., 847 W. Jackson Blvd., Chicago, Ill.

Swimming Pool Sanitation—Special bulletin covering this subject, with diagrams and illustrations of typical bols. 8 pp. 8½ x 11 in. R. U. V. Co., 165 Broadway, pools. 8 p

Zinc as a Paint Pigment—Scientific treatise on prop-rties of zinc oxide. 16 pp. 6 x 9 in. New Jersey Zinc o., 160 Front Street, New York.

Co., 160 Front Street, New York.

Doors for the Home and for the Public Library—Two special bulletins covering modern metal equipment for these two classes of buildings. Entrances, elevator enclosures, stairs, halls and fire exits, corridor and communicating doors and doors for special uses are considered. Specifications and diagrams showing construction and suggestions for ordering. 8½ x 11 in. 16 pp. Dahlstrom Metallic Door Co., Jamestown, N. Y.

Roofing Slate—Illustrated brochure showing antique roofs and modern applications of slate in well designed buildings. Two pages of detail sheets and complete specification data. 24 pp. 8½ x 11 in. Vendor Slate Co., Easton, Pa.

Easton, Pa.

Electrically Operated Temperature Regulating Systems—Catalog and handbook showing application of special devices for different requirements. Diagrams and technical data. 32 pp. 8½ x 11 in. Gold Car Heating and Lighting Co., Bush Terminal Bldg., Brooklyn, N. Y.

Ru-ber-oid Roofing Specialties—A collection of eight booklets illustrating and describing felt roofs, roll roofs, shingles, roof coatings, special paint and shingle stains. The Ru-ber-oid Co., 95 Madison Ave., New York.

Quarter Turn Packing Lock Valves—Compilete booklet.

Quarter Turn Packing Lock Valves—Complete booklet illustrating and describing this convenient valve for all types of steam, vapor and hot water heating systems, 32 pp. 4 x 7 in. Gorton & Lidgerwood Mfg. Co., 96 Liberty St., New York.

Moving Picture Equipment—Pulletins illustrating pro-cetors and other moving picture equipment for theatres nd other auditoriums. Nicholas Power Co., 88 Gold t., New York.

Industrial Chimneys—Booklet illustrating improved types of chimney construction with tables of sizes and capacities, illustrations showing various designs and complete data. 24 pp. 4 x 9 in. American Chimney Corp., 147 Fourth Ave., New York.

Corp., 147 Fourth Ave., New York.

Forging Ahcad in Business—Exposition of the courses offered by the Alexander Hamilton Institute. Complete survey of modern business science. 120 pp. Alexander Hamilton Institute, Astor Place, New York.

Supplies for Architects and Draftsmen—Complete catalog of everything required in the drafting room. Revised prices. Instructions for ordering, etc. 558 pp. Substantial cloth binding. 6,x 9 in. F. Weber & Co., 1220 Buttonwood St., Philadelphia, Pa.

Drafting Roof Furniture—Catalog of drafting room specialties, drawing instruments, filing equipment. etc. 32 pp. 6x9 in. C. F. Pease Co., 846 No. Franklin St., Chicago, Ill.

Brayman Watertight Drains—Booklet illustrated with diagrams and sections showing different types of drains for stables, garages, roofs and various special uses, 40 pp. 4x9 in. Jiffy Fire Hose Rack Co., 133 West 52nd St., New York.

Corner Beads and Metal Specialties—Six folders illustrating and describing improved types of corner beads, metal furring, picture mouldings and wire lath. Special emphasis on labor saving and fire protection. Milwaukee Corrugating Co., Milwaukee, Wis.

THE SCARAR CONVENTION

THE SCARAB CONVENTION.

The sixth convention of the Scarab Fraternity, which, in recent years, has grown to be an annual affair, was held in Pittsburgh on March 31 and April 1. Last year the convention was held in St. Louis and if present plans are carried out the Scarabs in Chicago will play the part of host for the next conclave.

Scarab was founded at the University of Illinois in 1909 for the purpose of fostering good-fellowship and developing a professional spirit and stimulating friendly and personal co-operation. Its members are picked from the students who aspire to become architects, architectural engineers or landscape architects, and only those who have proven their aptitude are invited. While Scarab is a professional organization primarily for the younger men, it has among its members some of the most successful and most prominent practitioners of the day. Their radiating personalities lend prestige and dignity and their inspiration is fuel for the fire of enthusiasm burning in the hearts and souls of the younger Scarabs. They command respect and their honest opinions are taken at face value. They are the men, who by a few words, can point the way to avoid the professional pitfalls and encourage a desire and belief in a code of ethics.

The Grand President, E. J. McDonald, called the convention to order at 10 A M in the Fine Arts Building

falls and encourage a desire and belief in a code of ethics.

The Grand President, E. J. McDonald, called the convention to order at 10 A. M., in the Fine Arts Building at the Carnegie Institute of Technology. Clemens Nicholas, who is also a Grand Officer in the fraternity, journeyed from Jackson. Miss., to answer "here." The delegates were: Edwin E. Valentine, University of Illinois; Charles M. Gray, Washington University W. J. McCormack, Armour Institute of Technology; J. H. Savolaine, State College of Pennsylvania; C. W. Hunt, Carnegie Institute of Technology; Bertram A. Weber, Massachusetts Institute of Technology; D. Kent Frohwerk, University of Kansas.

From the reports of the delegates one can glean an insight into the activities and principles of the fraternity. Each chapter offers some sort of a prize, be it a medal, books, cash, or what not, to the entire student body at their respective schools. At some institutions this sort of thing has become traditional, and the men anticipate it and apply their energy and ability to the maximum in order to survive the preliminaries.

There are a number of Scarabs in Europe who are enjoying their opportunity to study under the great masters by virtue of their ability to win a fellowship, be it known by one name or another. Some chapters boasted that during the last year every prize offered at their particular institution had been won by a member of the fraternity.

The social life of the young architect is not neglected.

masters by virtue of their ability to win a fellowship, be it known by one name or another. Some chapters boasted that during the last year every prize offered at their particular institution had been won by a member of the fraternity.

The social life of the young architect is not neglected. It is considered quite as essential to develop the personality as it is to develop the intellect and an insight into the mysteries of composition. Dances and smokers permit the members to find one another away from their major activity and permit the assimilation of ideals and idiosyncrasies. They are of further value in that human contact helps to wipe out provincialism. Lectures animate public spiritedness, and an opportunity to drink in the personalities and imbibe the ethereal ecstasies of a notable contemporary are foregone only under the most unusual circumstances.

The convention authorized the establishment of a national competition to be held some time during the coming year. The nature of the prize and the character of the problem will be left to the committee appointed to make arrangements. The committee appointed to make arrangements. The committee consists of Gabriel Ferrand. Louis H. Sullivan and F. R. Leimkuehler. In order to build up a closer bond of good-fellowship and to make the interrelation of one chapter to another a more personal sort of thing, a travelling exhibit is to become an annual affair. There is one in the process of circulation at the present time and it is being received with great favor wherever it is hung. Within two months every school that accepted the invitation to assist in building up a noteworthy exhibit will have enjoyed the opportunity of learning what is being done by their student contemporaries.

The Scarab medal is to be offered as a prize each year at each school where a chapter of the fraternity is established. This medal is to be offered as a prize each year at each school where a chapter of the fraternity is established. This medal is to be offered as a prize cach year at

On the evening of the first day the visitors were guests at the Little Theatre in the Fine Arts Building. Dancing took place in the foyer and corridors of the building after the play.

On the last evening the Scarabs from far and near gathered at the Schenley Hotel to banquet and to become better acquainted with one another. C. W. Hunt acted as toast master and the retiring Grand President, Edgar J. McDonald, spoke in his usual delightful manner. Clemens Nicholas, the newly-elected leader, also responded with a speech. But those who came from aftar were well repaid when Mr. Hornbostle radiated his enthusiasm and related his impressions of the work done by Scarab. Those who met him for the first time will never forget his charming personality and his marvelous power of speech.

DALLAS ARCHITECTURAL CLUB HOLDS ITS FIRST ANNUAL EXHIBITION

ANNUAL EXHIBITION

The Dallas Architectural Club held its first annual exhibition at the Jefferson Hotel recently. From every angle it was more successful than we had dared to hope for. Over five thousand people viewed the exhibition which contained some three hundred pieces. The exhibition was an epitomy of state architecture as every section of the state was well represented.

A series of lectures was held during the week on architectural subjects. The speakers were Professor J. J. Kellog of A. and M. College, who delivered an informal address on "Traveling Through Italy"; E. A. Wood, manager of the Civic and Service Departments of the Chamber of Commerce, on "City Planning"; Miss Marian Long of the College of Industrial Arts at Denton, who gave an illustrated lecture on "Interior Decoration"; Professor S. E. Gideon of the University of Texas, who spoke on "Our Home Products in Architecture and Art"; Professor W. W. Watkins of Rice Institute at Houston, whose subject was "Church Building of the Gothic Period in England."

The lectures were very well attended and it was estimated that at least a thousand head and the set at the control of the control of the state of the control of the control of the control of the control of the Gothic Period in England."

whose subject was charled balanching in England."

The lectures were very well attended and it was estimated that at least a thousand heard them.

We are greatly indebted to Mr. Charles Mangold of the Jefferson Hotel who was broad enough to see the great benefit that was to be derived from the exhibition and who donated the use of the ball room for the exhibition and who worked hard to make it a success. We are also indebted to the press and the architectural papers for their ever loyal support of things architectural.

papers for their ever loyal support of things architectural.

We are now preparing for our next exhibition and we hope to make it not better, as the past one was excelent, but we hope to enlarge and get a greater state showing. It has attracted the attention of every person interested in architecture and they realize that the Dallas Architectural Club is a factor in the architectural world and that it is working not selfishly, but for the good of the profession at large. Our atelier is still taking down the awards and we soon hope to have new quarters, as the local Society of Architects has donated \$10 a month towards the rental of quarters, and Mr. C. D. Hill, a local architect, has also given \$5 a month, so just watch us grow.

AWARDS IN THE EBERHARD FABER SKETCH COMPETITION

 $T^{
m HE}$ jury in the Eberhard Faber Sketch Competition, which closed at noon on April 1, has awarded the prizes as follows:

THE jury in the Eberhard Faber Sketch Competition, which closed at noon on April 1, has awarded the prizes as follows:

First Prize, Fifty Dollars, to John F. Jackson, New York City, for the sketch "At Pier 15, East River, New York." Second Prize, Twenty-five Dollars, to Walter T. Vohlberg, Boston, Mass., for the sketch "Porte Nord de Menneton-sur Cier." Third Prize, Ten Dollars, to Hugh McLean Poe, John Herron Art School, Indianapolis, Ind., for a portrait sketch. Fourth Prize, Five Dollars, to C. Harold Kiefner, New York City, for "Scene in Mt. Rainier National Park." Fifth Prize, Five Dollars, to W. H. Butterfield, New York, for "Les Baux, Provence." Sixth Prize, Five Dollars, to H. G. Ripley, Boston, Mass. In judging the sketches submitted the jurors endeavored to adhere strictly to the conditions of the program which stated that the judgment was to be made on the basis of pictorial quality, skill in pencil technique and adaptability to use in advertising the Van Dyke drawing pencils. Giving due weight to the last mentioned requirement resulted in the placing of some drawings that were excellent in other ways, lower than would have been the case if adaptability as an advertisement had not been required.

More than one hundred forty sketches were received from all sections of the country, and the quality of the work was, in general, excellent.

The jury felt that many of the drawings that could not be awarded prizes showed merit that should be recognized and that the more meritorious of these should be given mentions. Honorable Mention was given to the following: V. Bates, New York; Oliver M. Waird, New York; Catherine B. Heller, Ann Arbor, Mich, E. O. Christensen, University of North Dakota, Grand Forks, N. D.; Eric H. Gibson, Chicago, Ill.

The jury consisted of Birch Burdette Long, Eugene Clute, Editor of Pencil Points, and E. L. Faber, Advertising Manager for Eberhard Faber.