AMBRICAN ARCHITECTURAL METHODS FROM THE STANDPOINT OF A CANADIAN.

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OMINANT influences in architecture in all countries have, as a rule, spread from their largely populated and wealthy centres, and what is done in these may be taken assn index of the work of the nation. In the United States it will be found that this rule applies in the cases of New York, Boston and Chicago, the former being, perhaps, a mean between the two latter.

borner being, pernaps, a mean between two latter. In no country or city, however, is work carried on under exactly the same system; and venture to say that here in any other country, these remarks must be taken to apply to the better class of offices and the higher grade of work. The methods pursued in these large cities are in a very great degree (hough not wholly so) a system which has become necessary to meet the demands of such weathy and fast living communities. No principals of a firm having a large practice can devoic such a proportionate amount of their line upon each building as can be done in smaller cities, where the practice of the architect is much more limited, where more time is maturally given to the erection of their structures, and where the drawings are made by the ordinary office staff.

In these extensive communities there are always to be found a consider-able number of migratory draughtsmen seeking experience to add to their store of knowledge; and it is comparatively easy to employ, at times, a suf-ficient number of these to assist in pushing to a hasty completion these ex-tensive buildings which require such a large amount of labor concentrated upon them. (It is very amusing when seeking for a position to be frequently asked by one's interrogator whether he is a good man or not-a capable one --and should the applicant happen to possess some modesty in regard to speaking of his capabilities-recognized by us as a commendable trait--be must always avoid making a remark which might at all be transposed to our of these professional nomads the more erpreinced are retained to be come permanent assistants to take charge of the offices work of any building under the occasional direction of the office supervisor. In making the drawings of a large city building the following is some-what of the general mode pursued : After the architect has decided upon the plan roughly drawn to scale In these extensive communities there are always to be found a consi

After the architect has decided upon the plan roughly drawn to scale (perhaps upon paper ruled in squares an eighth of an incb each way) it is given to a competent man-the one usually who will have the work under his care should the building be erected—to hay it out to, say, an eighth scale. While this is being proceeded with the architect may be occupied in bits care should the building be created to hay it out to, say, an eighth scale. While this is bioing proceeded with the architect may be occupied in working out in a similar rough maner the elevations which he had in his mind while blocking out the plans, to hand over to his avisitant as he did the latter; for in those lody buildings, the plans of the several floors above the street level being practically the same, because the points of support that necessarily he continuous from floundation to root, it is not therefore very often necessary to work out both plan and elevation simultaneously. To find the thickness of the walls it is but necessary to turn to the building law, as these dimensions are there regulated by the height of the wall. While these drawings are in progress the "practical man" or " engineer" is called upon to look into such matters as the sizes of columns, plers, grid-ers, and any special constructional problems which may need to be solved in carrying out the proposed scheme, as well as to the position of boilers, of such buildings. When these preliminary drawings are nearing comple-ion, a perspective of it is offish this class of drawing, it is sent out on or of the many wells how men whose special lune is to do this sort of work. Of late the colored drawing is coming rendred in period of such buildings. When these breim and lerewards transferred to the entities of whe flow the drawing and if there is no a draughtsman on the staff whose cheef daty is to firsh this class of drawing, it is sent out or or of the many well known men whose special lune is to do this sort of or of. Of late the colored drawing is coming rendred in period of attraction to the eyed the elevitan the drawing rendred in period attraction is again resorted to, and the weights of flows, walls and piers, are now carefully calculated to obtain the dimensions of the latter, and to opperiod in signil resorted to, and the weights of flows, walls and piers, are now carefully calculated to tobain the dimensions of his latter

under the direction of his chiefs. In order to facilitate the completion of a set of plans it is the general practice after the principal floor or elevation has been outlined on stout paper, to work the others from these on transparent paper or tracing cloth, all changes and rough studies of the various parts being made upon similar material—a practice well worth adopting. When all are completed, the juniors trace them, in ink for the various processes of perpoduction. Several sets are obtained, and afterwards colored if the priot is black and white. I have never yet seen a set of plans inked in and colored on paper for con-tract drawings as is our custom.

In New York the large tronwork firms do a great deal of their own de-tailing for constructional ironwork from general scale drawings given to them by the architect, which details are submitted for approval or correction

them by the architect, which details are submitted for approval or correction to him before proceeding to carry out the work. It happens that under this office system young men are kept almost con-tinually at such work as their shrewd overseer perceives they have the most aptitude for, so that they may be of the most pecuniary advantage to their employer. Thus one may be kept altogether working on sketch plans or perhaps tracing the work to better men, or figuring up the weights of walls, plers, columns, sic., or working out the strains in beams and trusces; others may be chiefly occupied in making drawings for foundations after other men have made the plans of the floors above and the elevations have been work wholly on inside finish. So the work is divided for each to carry bis branch to the highest point in the shortest possible then through working entirely at one sort of work, and so producing the architectural specialits to often ound in the more populous American cities. Hence it is pot difficult to find numbers of men who are exceedingly good on some branch of work,

<u>ATTECT AND BUILDER.</u> January, 1893 while on others they are as dull as the first year student of our Canadian offices; their ability on the one hand being in strange contrast to their draughtsmen quite expert on working out the plans of tenement or apart ment houses, and receiving a considerable remuneration for their services, who seemed to know scarcely anything about making a full size drawing, and who would be as nucle to use of the strange detail. But the man who as been vise enough to stow almost layer gate gata. But the man who as been vise enough to stow almost layer gate gata. But the man who as been vise enough to stow almost layer gate gata. But the man who as been vise enough to stow almost layer gate gata. But the man who as been vise enough to stow almost layer gate gata. But the man who as been vise enough to stow almost layer gate gata. But the man who as been vise enough to stow almost layer gate gata. But the man who as been vise succeeded in obtaining a wide experience by his going to and the desires to pursue to his own advantage, and has thereby in spite of or consideraby more limited scope than I think is the case in Canada, yet this is being ovitated in some measure by the excellence the photos. The shere of consideraby more limited scope than I think is the case in Canada, yet this is being ovitated in syoning from the case; and this is been right no entities and the start of the course of instructions which and refinement can be had for the eye, in addition to the study of the indigenees at these places. A good clucation will but excitions of thing it to is greatest possibilities, and the result of this is seen to day quite publi receives at these places. A good clucation will not accomplish much thing it to is greatest possibilities, and the result of this is seen to day quite allower the event of the best trained mer serving a very great influence the exist these places. A good clucation will not accomplish much thing it to is greatest possibilities, and t

being good.

being good. These remarks are not intended to imply that a piece of work well studied in relation to voids and surfaces does not very often look infinitely better than many a highly ornamented building not so studied. As a matter of fact there is a red brick printing house on Lafayette place. New York, which certainly belongs to the former class, and everything has been so thorough-by studied and made appropriate to its position, that it has become to the writer one of the most instructive buildings he has ever seen.

Bet there is a red brief printing house on Lafagete place. New York, which erits and made appropriate to its pass on Lafagete place. New York, which erits and made appropriate to its pass on Lafagete place. New York, which erits one of the most instructive buildings he has ever seen.
I was deally supprised to find store the an amount of ivalty existing here beyre professional men. The principle upon which business is apparently carried on is the "spong" principle apon which business is apparently carried on is the "spong" principle apon which business is apparently carried on is the "spong" principle upon which business is apparently carried on is the "spong" principle upon which business is apparently in the store apont and here the professional competitors. Even their own journals, which Candons prize so much - to much 1 think at the expense of other spongeneous the professional competitors. Even their own journals, which Candons prize so much - to much 1 think at the expense of other between the to avoid and and appace price which or the other hand of the professional competitors. The idea seems to be to get the home productions to thow what you will have to avoid and appace price which are not the some time of the spongeneous busings from price on the section of the area of the section to the spongeneous the set of the section to the spongeneous the set of the spongeneous the set of the spongeneous the set of the section to the spongeneous the set of the spongeneous the set of the spongeneous the set of the spongeneous the spongeneous the spongeneous the spongeneous the set of the spongeneous the set of the spongeneous t

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