

when he designs an arch or a door he may be able to supervise the construction of the same. He must be able to distinguish the various kinds of woods and know their values, the various grades of mortar and cement. He will also acquire a knowledge of the cost of labour and materials, a very necessary accomplishment which will enable him to form estimates and valuations and qualify him to certify to certain payments as work proceeds.

Thus, though not a skilled mechanic, he will be able to make the most of his opportunities, he will know how to use his materials to the best advantage, how to economize labour, where to expend and where to save, and how to design in accordance with the nature of the wood or stone with which he has to deal.

Although the Architect should, and does get the credit for the results of his creative ability, nevertheless a large share of the success of architectural work depends upon the degree of perfection with which his ideas are executed by mechanics under him.

It used to be that the Architect of a building was also its builder. In such a case it would be absolutely necessary for him to have a mechanical training: but it is not so to-day and there are many men who devise plans and trust to the ability and honesty of the mason or carpenter to carry them out. It is preparation and experience that make the architect.

But not only for the sake of the plans and the building should an architect be both educated and experienced, the very nature of the profession demands that he be such. The responsibilities which he assumes are such that he must know why he ordains every detail of the whole construction.

An uneducated Architect may some day find himself face to face with a task beyond his ability, and he is unable to cope with the responsibilities required of him.

He is in a profession which demands ideas and leadership and if he cannot respond to these demands and requirements which are forced upon him, the sooner he finds it out the better, for some day sooner or later he will be mortified in comparing his work with some one's else to find that he has missed his calling.

The responsibilities of an Architect are large. The owner of a building has to depend upon his taste, discretion and good judgment as well as his honesty.

A large modern building as it stands complete, represents an extent of co-operation which is hard for one to over-estimate.

The inception belongs to the Architect and the merit of the work is measured by the correctness of his ideals but the actual building is the result of a co-operation of forces which he starts in motion and guides in their course. And so his responsibilities are measured by the inter-dependence of the arts and sciences and manufactures which enter into a modern structure.