

# The Canadian Engineer

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## UNIQUE CHIMNEY CONSTRUCTION

A DESCRIPTION OF THE MONNOYER SYSTEM OF REINFORCED CONCRETE CHIMNEY CONSTRUCTION, WITH SOME DETAILS OF CONSTRUCTION CONCERNING THE FIRST EXAMPLE TO BE ERECTED IN THE DOMINION OF CANADA.

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Of recent years an agitation has been on foot with a view to the improvement of factory and machine shop buildings from an architectural standpoint. Much time and money has been spent in preparing plans of buildings which would combine the desired utility with a pleasing harmony of appearance. This to escape the end, which has too often been the result of a lack of

Considering the question again from a larger aspect, not only is there a benefit to be obtained by the community from the prosperity of its individuals, but the appearance of the structures by which it is surrounded undoubtedly plays a large part in its value to the country at large.

Admitting, then, the value of appearances, it remains for us to consider the question of means; and when these



Fig. 1.—Blocks Ready for Use.

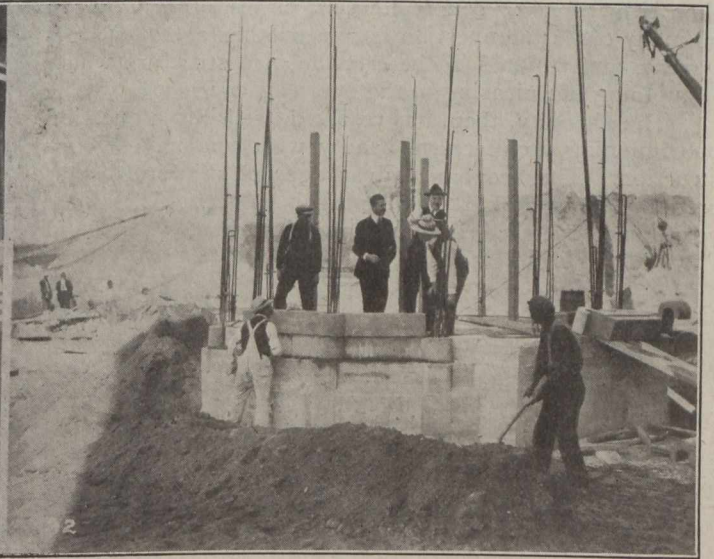


Fig. 2.—Laying the Blocks.

artistic sense in design, of these structures becoming a blot on the landscape. Time and money thus spent is well repaid in the results obtained, and no doubt many proprietors have already come to realize this. It may be argued that an artistically designed factory building will not bring any larger return for its output than one of similar capacity but less pleasing exterior. Nevertheless, it would appear that there must be an advertising value in the impression conveyed on the public mind by the appearance of the place in which the products are prepared for use: such an impression being undoubtedly a factor in influencing the selection of the article desired.

Any large manufacturer will spend considerable sums on advertisements designed to please the consumer, and what more efficient advertisement can there be than an artistically beautiful structure with harmonious surroundings?

means are placed at our disposal without having to resort to an increase of expenditure, it behoves us to take advantage of them. It is one of the purposes of this article to show that these objects may be attained, at least in the case of a structure which is, in almost every city and town, one of the most prominent features; that is to say, the inevitable tall chimney, which is almost sure to obtrude itself on the eye at every turn.

So often is the aesthetic sense offended by the sight of an ungainly, though mathematically correct, monstrosity, towering high above the surroundings, with apparently no regard for anything but its utility as a means of polluting the atmosphere with dense clouds of smoke and gases. True, in many instances proprietors have risen above the consideration of mere dollars and cents, and succeeded in erecting chimneys which combine both utility and a fairly pleasing appearance. These chimneys are