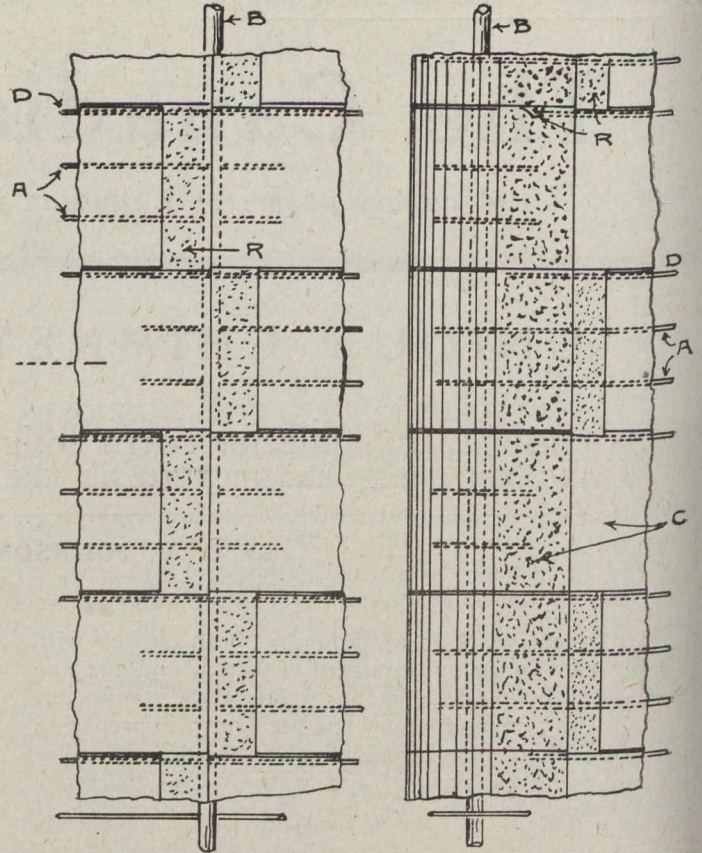


**HORIZONTAL SECTION**

- A- Reinforcing in the block.
- B- Vertical reinforcing.
- C- Body of block.
- D- Horizontal reinforcing
- F- Bond
- R- Mortar

Fig. 3.—Details of Blocks.



**INTERIOR ELEVATION**  
Showing alternating joints

**SECTION C-d**  
Showing successive courses.

generally of brick construction, brick having, until recently, lent itself more readily to the attainment of this object than either steel or concrete. But, on the other hand, in so many cases the question of expense has acted as a deterrent, and resulted in the erection of a structure which is anything but pleasing to the eye.

The difficulty, then, has resolved itself into a question of combining architectural beauty with economy of construction. The economic advantages of reinforced concrete are indisputable, this having been recognized some years since by our neighbors across the line, with whom

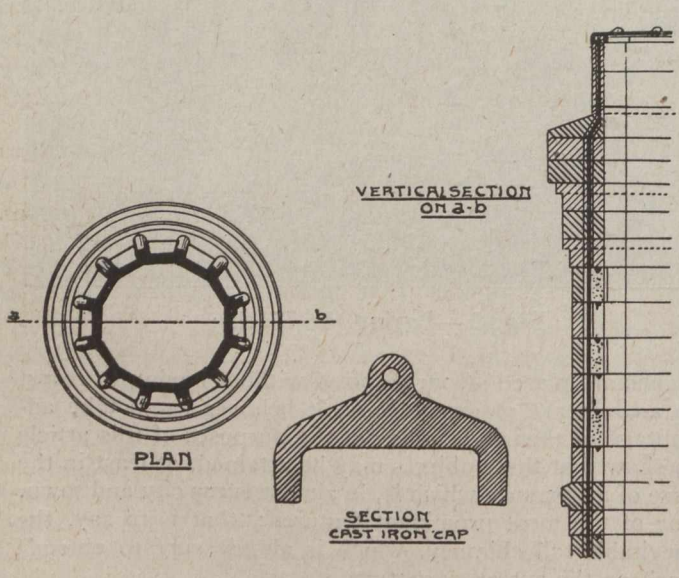


Fig. 4.—Details of Chimney.

rests the credit of first carrying out chimney constructions by means of reinforced concrete. The system first adopted was a chimney of cylindrical form, consisting of two distinct shafts separated by an air space of from three to four inches. This design was generally used until the year 1909, when the conical chimney was adopted as being more stable, less costly, and of better appearance. It was,

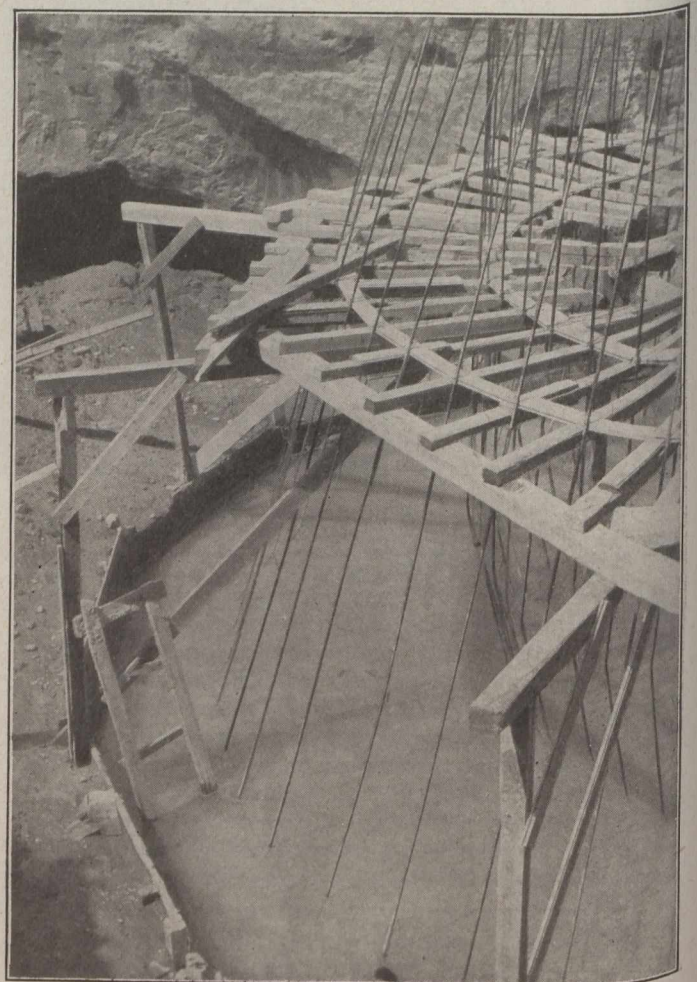


Fig. 5.—Foundation Reinforcing.