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VENEERING CONSTRUCTION

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5 Claims. (Cl. 72-0.5)

My invention relates to a veneering construction.

In providing a veneer, such as brick or the like, for buildings already erected, it has been customary to excavate along the outside of the foundation down to the footing of the foundation and to provide a complete foundation alongside the old foundation in order to support the veneering. It has also been proposed to anchor a horizontal beam to the old foundation by means of bolts, or the like, extending through the old foundation and to use this horizontal beam as a support for the veneering.

The first method is very expensive. The second method is open to several objections, among them being that the securing bolts extending through the old foundation cause objectionable projections inside the foundation where they extend into the basement of the building.

One of the objects of my invention is to provide an improved construction for supporting the veneering which will be comparatively inexpensive and which will not necessitate objectionable projections into the basement of the building and which will not necessitate drilling into the foundation wall of the building.

In the drawing, in which an embodiment of my invention is shown,

Figure 1 is a fragmentary vertical sectional view of a building showing the application of my veneering;

Fig. 2 is a horizontal section substantially on the line 2-2 of Fig. 1; and

Fig. 3 is a front elevational view of the construction of Figure 1.

Referring to the drawing in detail, the construction shown comprises a foundation wall 1 of a building, having an outer surface 2 to be veneered above said wall, and a veneering construction comprising a plurality of concrete posts 3 spaced along and adjacent the outer side of the foundation wall 1 with the upper ends of the posts adjacent the grade line, a horizontal reinforced concrete beam 4 supported on the upper ends of the posts, vertical metal dowels 5 extending from the beam 4 into the posts 3 and imbedded in the beam and posts, and a layer of veneering 6 supported by the beam 4 adjacent the outer surface to be veneered.

In applying this veneering construction, holes are dug for the posts 3 alongside the outer face of the foundation wall 1 deep enough so that the posts will not be affected by frost, and the posts 3 are then poured in place, the vertical reinforcing dowels 5 being placed so that they will be im-

bedded in the upper ends of the posts. Suitable forms are then provided for the pouring of the horizontal beam 4, the four horizontal steel reinforcing rods 7 being placed in the form so that when the beam is poured the reinforcing rods 7, as well as the upper ends of the vertical dowels 5, will be imbedded in the horizontal beam. The upper veneering construction 6 is then applied and secured to the outer wall of the building, the lower edge of the veneering 6 resting on the horizontal beam 4. This construction does away with the necessity for excavating all along the face of the foundation wall, as in one previous method of construction, and it also avoids the necessity for drilling holes in the foundation wall, resulting in unsightly projections in the basement, involved in another method of applying veneering.

As shown in Fig. 1, the upper ends of the posts 3 on which the beam 4 rests are beveled so as to slope downwardly and inwardly. This beveling of the posts has a tendency to prevent the action of frost from disturbing the position of the horizontal beam. It sometimes happens that a house is left vacant in cold weather for some time, in which case the earth around the post will freeze and cause a heaving action of the post which would have a tendency to disturb the position of the horizontal beam except for the fact that the sloping upper surface of the beam allows a slight slipping action which prevents the full heaving action of the post from being exerted on the beam.

Further modifications will be apparent to those skilled in the art and it is desired, therefore, that the invention be limited only by the prior art and the scope of the appended claims.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A veneering construction for buildings already erected, which building comprises a foundation wall and an outer surface to be veneered above said wall, said construction comprising a plurality of concrete posts spaced along and adjacent the outerside of the foundation of the wall, the upper ends of said posts being adjacent the grade line, a horizontal reinforced concrete beam supported on the upper ends of said posts, vertical metal dowels extending from said beam into said posts and imbedded in said beam and posts, and a layer of veneering supported by said beam adjacent the outer surface to be veneered.

2. A veneering construction for buildings already erected, which building comprises a foun-

- 5 dation wall and an outer surface to be veneered above said wall, said construction comprising a plurality of concrete posts spaced along and adjacent the outer side of the foundation of the wall, the upper ends of said posts being adjacent the grade line, a horizontal reinforced concrete beam supported on the upper ends of said posts, and a layer of veneering supported by said beam adjacent the outer surface to be veneered.
- 10 3. A veneering construction for buildings already erected, which building comprises a foundation wall and an outer surface to be veneered above said wall, said construction comprising a plurality of posts spaced along and adjacent the outer side of the foundation of the wall, the upper ends of said posts being adjacent the grade line, a horizontal beam supported on the upper ends of said posts, and a layer of veneering supported by said beam adjacent the outer surface to be veneered.
- 15 4. A veneering construction for buildings already erected, which building comprises a foundation wall and an outer surface to be veneered above said wall, said construction comprising a plurality of posts spaced along and adjacent the outer side of the foundation of the wall, the up-
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per ends of said posts being adjacent the grade line, a horizontal beam supported on the upper ends of said posts, and a layer of veneering supported by said beam adjacent the outer surface to be veneered, the upper ends of said posts being beveled to slope downwardly and inwardly toward the foundation wall and the lower face of the beam being beveled to engage the sloping portion of the post whereby the heaving action of the posts, due to the action of frost, will not exert a harmful action on the beam resting on the posts.

5 5. A veneering construction for buildings already erected, which buildings comprise a foundation wall and an outer surface to be veneered above said foundation wall, said construction comprising a horizontal reinforced concrete beam extending along and adjacent the grade line, means for supporting said beam, and a layer of veneering supported by said beam adjacent the outer surface to be veneered, the lower face of said beam being beveled to slope downwardly and inwardly toward the foundation wall, whereby the heaving action of frost will not exert a harmful action on the beam.

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