

March 23, 1937.

E. J. MASON ET AL.
VENEERING CONSTRUCTION

2,074,483

Filed May 25, 1935

Fig. 1.

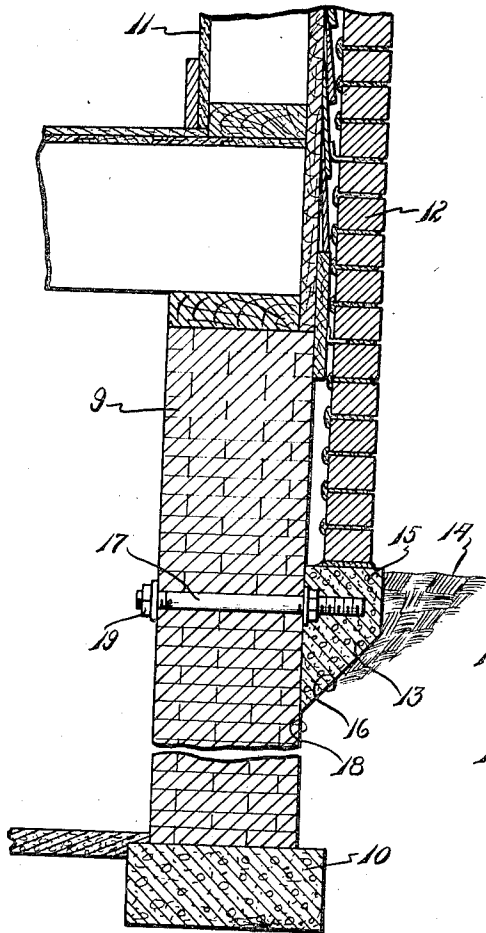


Fig. 2.

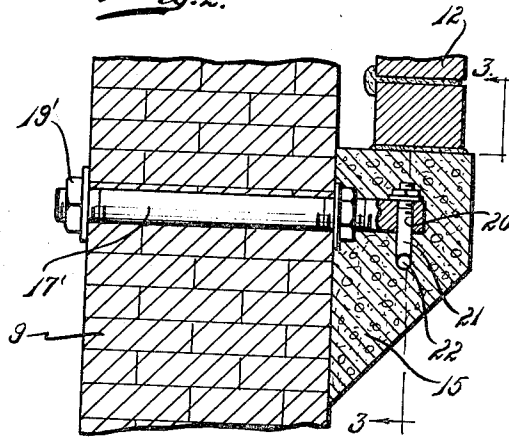


Fig. 4.

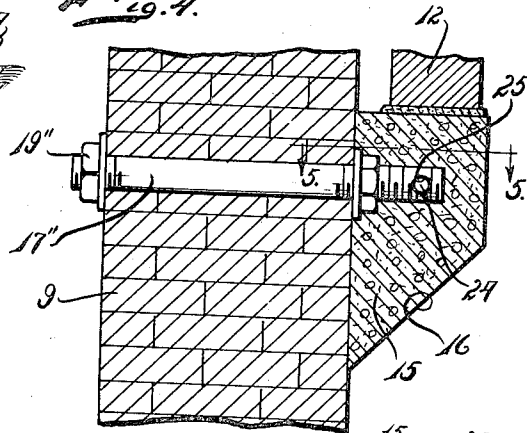


Fig. 3.

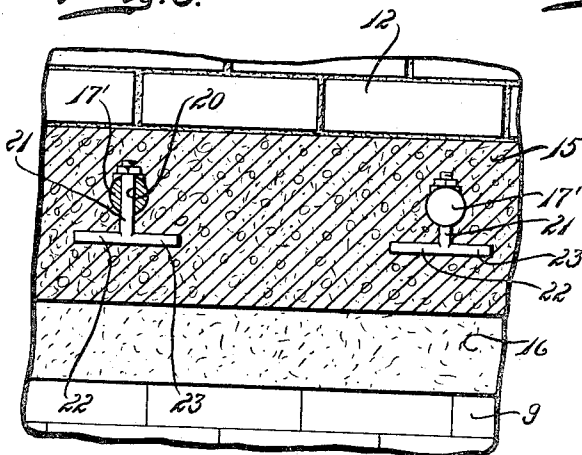
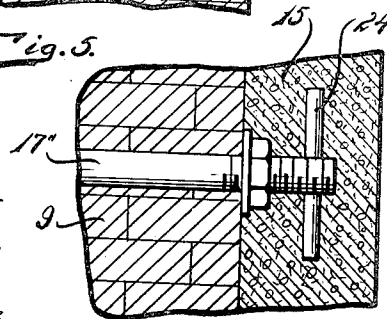


Fig. 5.



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2,074,483

VENEERING CONSTRUCTION

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Application May 25, 1935, Serial No. 23,419

5 Claims. (Cl. 72-0.5)

Our invention relates to a new and useful improvement in a veneering construction, adapted for use primarily on existing buildings to serve as a means for supporting brick veneering which may be mounted thereon.

It is an object of the present invention to provide a means for supporting the layer veneering without resorting to a deep excavation and an extension of the foot of the foundation wall.

It is another object of the invention to provide, as a support for the superimposed veneering, a supporting ledge of concrete or other similar hardening plastic material, secured to the foundation wall and held thereagainst.

Other objects will appear hereinafter.

The invention consists in the combination and arrangement of parts, hereinafter described and claimed.

The invention will be best understood by a reference to the accompanying drawing which forms a part of this specification and in which,

Fig. 1 is a transverse sectional view of the invention showing it secured to a foundation wall.

Fig. 2 is a fragmentary sectional view showing a slightly modified form.

Fig. 3 is a fragmentary sectional view taken on line 3-3 of Fig. 2.

Fig. 4 is a fragmentary sectional view of a second modified form.

Fig. 5 is a fragmentary sectional view taken on line 5-5 of Fig. 4.

In the drawing we have illustrated the invention applied to a building having a foundation wall 9 resting on a footing 10, and serving as a support for the super-structure or main part of the building 11. In order to support the layer 12 of brick veneering about the building, we excavate the space 13 below the grade line 14, and extending around the building in engagement with the outer surface of the foundation wall 9, we provide the ledge 15 formed from concrete or other suitable hardening material. This ledge occupies the space 13 which has been excavated and is provided with the inclined under-surface 16 to provide the lower wedge shaped portion. If desired the ledge may, of course, be above or below the grade line. Projected through the foundation wall at spaced intervals, are bolts 17 which extend beyond the outer surface or face 18 of the foundation wall so as to project into or be embedded in the ledge 15. The inner ends of these bolts 17 are provided with nuts 19 which are threaded thereon. The outwardly projecting ends of these bolts serve as supports for the ledge and by means of the nuts these bolts will serve to

retain the ledge in close engagement with the outer face of the foundation wall.

In the form shown in Fig. 2, we have provided in the bolts 17 the passages 20 through which is passed the bolt 21, having at its lower end the cross-head 22. The cross-head comprises the laterally projecting arms 22 and 23. These suspending bolts 21 serve as a means for anchoring the bolts 17 in the ledge 15 and also to some extent as a means for reinforcing and supporting the ledge.

In Fig. 4 we have shown the bolts 17 provided with the horizontally disposed rod 24 which extends through the opening 25 formed in the bolts 17 and projects laterally from opposite sides of the bolt. These rods 24 also serve as anchoring and supporting means and as reinforcement.

The construction illustrated is a development of our invention which is set forth in United States Letters Patent No. 1,857,926, issued May 10, 1932, and in the present invention the longitudinally extending supporting plate is eliminated and the layer of veneering is supported directly on a concrete ledge. We have found from experience that on many types of buildings the type of construction illustrated in this present invention is more desirable than the type of construction illustrated in our patent referred to. In the present type of construction there are no exposed metal parts on the exterior of the wall to rust or corrode and a very economical construction is thus provided which is most durable.

While we have illustrated and described the preferred form of construction, we do not wish to limit ourselves to the precise details of structure shown, but desire to avail ourselves of such variations and modifications as come within the scope of the appended claims.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. In combination, a foundation wall; a ledge of plastic material engaging the outer surface of the foundation wall and terminating with its upper face substantially flush with the grade line and having its lower face tapered inwardly toward said wall; a layer of brick veneering supported on said ledge; a plurality of bolts projected through said wall and penetrating, at their outer ends, said ledge for securing the same to said wall and accessible at one end from the inner side of said wall; and separate anchoring means carried on the penetrating end each of said bolts.

2. In combination, a foundation wall; a ledge

- of plastic material engaging the outer surface of the foundation wall; a plurality of bolts projected through said foundation wall and projecting at one end into said ledge for securing the same to said wall; and anchoring means carried by said end of said bolts and projecting radially outwardly therefrom and extending longitudinally of said ledge for securing the same to said wall.
- 5 3. In combination, a foundation wall; a ledge of plastic material engaging the outer surface of the foundation wall for supporting a layer of brick veneering mounted thereon; a plurality of bolts projected through said wall and projecting at their outer ends into said ledge and terminating therein; and an anchoring member carried on said end of each of said bolts comprising a T shaped structure, the arms of said structure extending longitudinally of said ledge, said anchoring means effecting the securing of said ledge to said wall and the supporting of the same.
- 10 4. In combination, a foundation wall; a ledge of plastic material engaging the outer surface of the foundation wall for supporting a layer of brick veneering projected thereon and extending upwardly therefrom; a plurality of bolts projected to said wall in spaced relation to each other and terminating at their outer ends within said ledge; and means carried by the outer ends of each of said bolts extending longitudinally of said ledge, said ends of said bolts and said means carried thereby effecting a securing of said ledge to said wall and providing a support for the same.
- 15 5. In combination, a foundation wall; a ledge of plastic material engaging the outer face of the outer wall; a plurality of bolts projecting through said foundation wall in spaced relation to each other and projecting at one of their ends into said ledge for securing the same to said wall; and separate anchoring means carried by the projecting ends of each of said bolts and projecting radially therefrom for securing said ledge to said wall.
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