July 10, 1928. 1,676,535

S. C. ESTILL ET AL

BRICK OR TILE VENEER BINDER

Filed Dec. 29, 1923

Fig. 1.

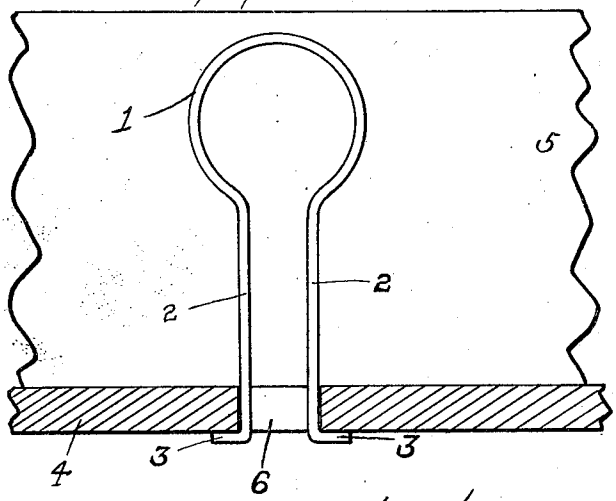


Fig. 2.

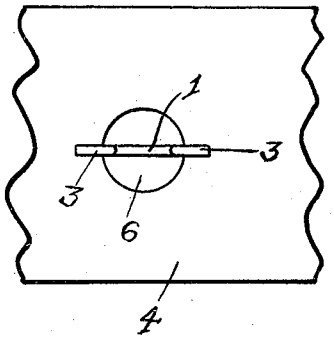


Fig. 3.

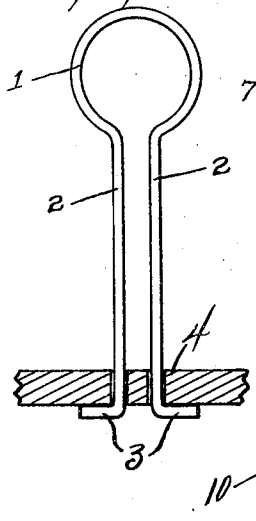


Fig. 4.

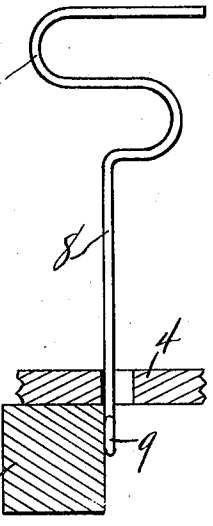


Fig. 5.

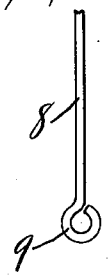


Fig. 6.



Fig. 7.

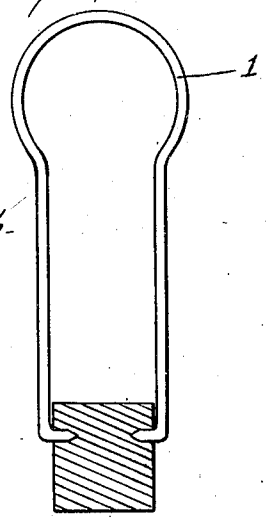
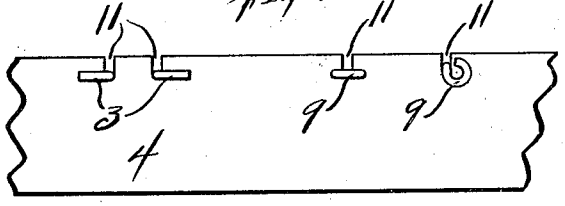


Fig. 8.



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UNITED STATES PATENT OFFICE.

SPENCER C. ESTILL AND JAMES A. TODD, OF FORT WORTH, TEXAS.

BRICK OR TILE VENEER BINDER.

Application filed December 29, 1923. Serial No. 683,477.

Our invention relates to binders for brick, tile, and the like for veneer structures; and the object is to provide a binder device which can be easily and quickly secured to a wall to hold brick or tile in place and which will be highly efficient in maintaining a veneer structure intact and in preventing the brick or tile from separating from the wooden structure. Another object is to provide devices which can be furnished at small enough cost to make the use of the devices feasible and practical and which can be placed at a minimum loss of time. Other objects and advantages will be fully explained in the following description and the invention will be more particularly pointed out in the claims.

Reference is had to the accompanying drawings which form a part of this application.

Fig. 1 is a plan view of a binder mounted on a brick with the terminals projecting through a wooden board. Fig. 2 is a broken side elevation of a board, showing the terminals of the binder. Fig. 3 is a plan view of the binder. Fig. 4 is a plan view of a binder which is a variation of the binder shown in the previous views. Fig. 5 is an edge view, showing the terminal eye at right angles to the plane. Fig. 6 is a view, showing the terminal eye at right angles to the form shown in Fig. 5. Fig. 7 illustrates another variation of the binder. Fig. 8 illustrates the manner of preparing a board to receive the variations in the binders.

Similar characters of reference are used to indicate the same parts throughout the several views.

The binder shown in Figs. 1, 2, and 3 has a loop 1 and shanks 2 and bent terminals 3 to engage the inside of the board 4. The loop 1 and shanks 2 lie on the brick 5 to be embedded in the mortar which is to be placed between the brick or tile. A hole 6 is bored in the board 4. The binder may be placed by pressing the shanks 2 together so that the terminals 3 will pass through the hole 6. When the pressure is released the shanks will spring back to the positions shown. It is apparent that this arrangement will make an efficient binder.

Another form of the binder is shown in Figs. 4 to 6 inclusive. The binder shown in these views has a body 7 bent to any suitable configuration and provided with a shank 8 and a terminal eye 9. The body 7 is to be placed on the brick to be embedded in the mortar. The eye 9 may be used to attach the binder to an upright studding 10, as shown in Fig. 4. The binders shown in these views may be secured to the wall as shown in Fig. 8. Grooves or kerfs 11 may be sawed in the upper edge of the board 4. The shanks 2 may be dropped down into the kerfs as shown in Figs. 3 and 8 and the shanks 8 of the forms shown in Figs. 5 and 6 may be secured in the same manner to the boards 4.

The form of binder shown in Fig. 7 may be secured to the studding 10, as shown in Fig. 7. The eye 9 may be used as shown in Fig. 4, or turned a quarter turn and used as shown in Fig. 5 or the eye may be bent at right angles to the shank 8 and used as shown in Figs. 6 and 8. The binder is preferably made of spring steel for reasons above noted.

What we claim, is:—

1. A binder for securing brick and tile to a wooden wall comprising a body of a single piece of steel wire and curved horizontally and forming a loop to lie between and to be embedded in mortar between surfaces of adjacent brick and provided with shanks adapted to project through the wooden wall and provided with terminals bent against the inner side of the wooden wall.

2. A binder for securing brick or tile to a wooden wall comprising a body of a single piece of steel wire and curved horizontally and forming a loop to lie between and to be embedded in mortar between the surfaces of adjacent brick and provided with shanks adapted to project through the wooden wall and provided with terminals bent on the inside of the wall to prevent removal of the binder.

3. A binder for securing brick or tile to a wooden wall comprising a spring metal body curved horizontally and forming a loop to lie between and to be embedded in mortar between the surfaces of adjacent brick and provided with shanks adapted to project through the wooden wall and having terminals bent at right angles to the shanks engaging the inside of said wall.

In testimony whereof, we set our hands, this 10th day of December, 1923.

SPENCER C. ESTILL.
JAMES A. TODD.