DOOR FRAME FOR ALL PLASTER WALLS

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Witness: 16, 17, 18, 19, 20

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My invention relates to buildings and particularly to means for framing the openings in walls of a particular type, that is, walls composed entirely of plaster. Such walls are relatively thin and means should be provided for securely mounting and holding a door frame therein without likelihood of cracking of the plaster around the frame. The result is accomplished by providing a rigid and unyielding metal buck and arranging the parts in such manner that a wood jamb and wood trim may be applied thereto without difficult operations.

The invention will be more readily understood by referring to the accompanying drawings, in which—

Fig. 1 is a perspective sectional view through a portion of wall and frame arranged in accordance with my invention;

Fig. 2 is a sectional view on the line 22, Fig. 1, and

Fig. 3 is a fragmentary front elevation.

In the drawings I have illustrated a combination of elements comprising a metal member of angle form extending from the floor 19 to the ceiling 11 and suitably anchored thereto. One of the legs 12 of the angle provides means for attachment of metal lath 13 while the other leg 14 is welded or otherwise rigidly secured to the web 15 of a generally channel shaped metal buck. The side flanges 16 of the channel are flared from their inner to their outer edges thus forming a tapered recess and at the marginal edges strips 17 are provided extending parallel to the web 15. The edges of the marginal portions 17 constitute a plaster ground at the two sides of the wall, the plaster being indicated at "A".

At intervals in the height of the channel-shaped buck I insert a block 18. The block is of generally rectangular outline, the back side thereof being shaped to provide a tapered projection 19 fitting snugly within the tapered recess within the flanges 16 of the channel. Nails 20 are driven through the sides of the channel into the wood block thus securely holding the same in position. Nailed to the face of the block is a jamb 21 and a stop 22. Molding or trim elements 23 are provided at the opposite sides in the usual manner.

Thus I have provided a thin wall frame of unusual strength and rigidity and so arranged the parts that a wood frame or trim may be easily applied thereto. In addition, I have provided means for securely anchoring the buck to the floor and ceiling by means of a metal angle so positioned as to furnish the maximum rigidity for the weight of material employed.

The exact form and arrangement of the parts is not essential for the accomplishment of the desired purpose and I do not wish to be limited except as indicated in the appended claims.

I claim:

1. In combination, an angular metal member adapted to extend from floor to ceiling a metal buck secured thereto, said buck being of generally channel shape and having marginal flanges acting as a plaster ground, wood blocks secured in said channel, and a jamb and trim secured to said blocks.

2. In combination, a metal post secured to floor and ceiling, a channel buck, the web of which is secured to said post, the flanges of the channel terminating in narrow marginal strips that lie in a plane parallel to the web, the edges of the strips acting as plaster grounds, wood blocks fitted in the channel, and wood trim secured to the blocks.

3. In combination, a metal post secured to floor and ceiling, a channel buck, the web of which is secured to said post, the flanges of the channel terminating in narrow marginal strips that lie in a plane parallel to the web, the edges of the strips acting as plaster grounds, the flanges of the channel being flared to provide an inwardly tapered recess, and wood blocks fitted in said recess at inter-
vals in the height of the buck, and providing means for attachment of trim.

4. In combination a channel shaped buck, means for securing the same between the floor and ceiling, the flanges of the channel shaped buck terminating in marginal strips that lie in a plane parallel to the web of the channel, the edges of the strips acting as plaster grounds, wood blocks in the channel and wood trim secured to the blocks.

In testimony whereof I have affixed my signature.

ISAAC A. BAUM.