

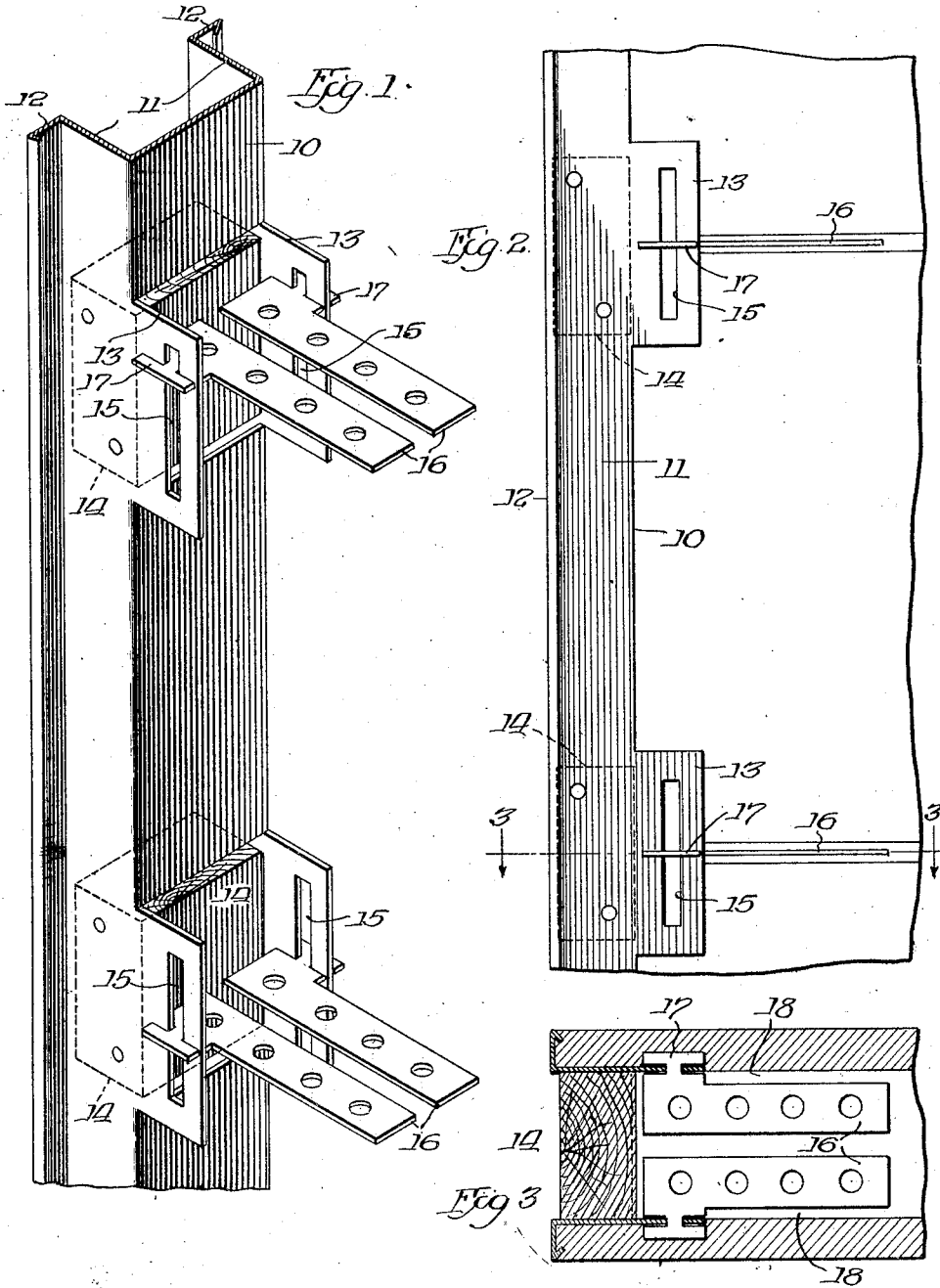
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FRAME ANCHOR

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Witness:

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UNITED STATES PATENT OFFICE.

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FRAME ANCHOR.

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My invention relates to means for framing wall openings, and particularly to novel means for anchoring metal frames to masonry walls.

5 It is customary, as disclosed in numerous earlier constructions illustrated in co-pending applications for patent heretofore filed by me, to provide a metal buck and to anchor the same to a masonry wall by means of an anchor having a T-head adapted to engage 10 in a slit in the web or back wall of the metal frame member. In constructions of this character, it is customary to mount wood blocks on the frame members in order to 15 assist in attaching wood trim thereto. In the type of anchor just described, it is essential that the wood nailing blocks be staggered relative to the anchors because of the projection of the anchors in the area occu- 20 pied by the blocks.

In the type of anchor herein disclosed, this difficulty is avoided and the block may be placed exactly at the point where the lugs engage the masonry wall. This is 25 preferable in order that the shock incident to the closing of doors mounted in the opening shall be directly transmitted to the masonry wall.

The desired result is secured by slitting 30 the tile lugs and constructing the anchors with laterally projecting T-heads adapted to enter the slits. This construction has the advantages already described and in addition serves to hold the lugs securely against 35 the masonry wall. This is a decided advantage and eliminates the possibility of cracking of the plaster at a point around the lugs.

The invention will be more readily understood by reference to the accompanying 40 drawings, in which—

Fig. 1 is a perspective view of a door frame and assembled lugs and anchors;

Fig. 2 is a side elevation thereof showing the frame in position in a wall, and

45 Fig. 3 is a sectional view on line 3—3 of Fig. 2.

In the drawings, I have illustrated a metal buck of generally channel shape having a web 10, flanges 11 and plaster terminal margins 12. At intervals in the length of the 50 channel, I strike out lugs or ears 13 from the web of the channel, the lugs extending parallel to the flanges 11 and serving as means for positioning and holding the frame relative to the wall. For convenience, a tile

wall is shown, the tile being of the usual dimensions and the lugs being positioned to break joints therewith. Also located at intervals in the channel are wood blocks 14 preferably positioned directly opposite the 60 openings caused by striking out the lugs, the blocks being positioned sufficiently inwardly in order to directly contact the outer edge of the tile. Thus it will be seen that when the trim is secured to the wood blocks, 65 the shocks applied to the trim are directly transmitted to the wall at the point of engagement therewith.

As a means for anchoring the frame, I provide elongated slits 15 in the lugs 13 70 and utilize anchors consisting of a flat elongated strip 16 which may be apertured as shown, these strips having laterally projecting T-heads 17 so arranged that the heads may enter the slits with the anchor in a 75 vertical position and to firmly engage therewith by rotating the anchor into the position shown in the drawings. Preferably two of such anchors are provided at each anchor point, although one strip having lateral T- 80 heads on its opposite sides may be utilized if desired. In order to securely embed the anchor in the mortar the head is projected outside of the outer margin of the strip, thus leaving a space indicated at 18 in Fig. 85 3 within which the mortar may be placed.

By means of the construction shown, the lugs are securely held against the side of the masonry wall and the frame is held by 90 both of the lugs against a blow in either direction instead of by one lug only as in the construction heretofore proposed.

Obviously the form of the anchor may be varied within rather wide limits and other changes may be made in the construction shown without departure from the 95 spirit of my invention.

I claim:

1. In combination, a metal buck of generally channel shape, apertured tile lugs 100 projecting rearwardly in line with the flanges of the channel, and anchors adapted to be embedded in the masonry and having portions adapted to interlock with the apertures in the lugs.

2. In a door frame, the combination of a metal frame member, lugs projecting rearwardly therefrom and adapted to lie along- 105 side of a masonry wall, said lugs having apertures therein, and anchors adapted to lie 110

between courses of masonry and having laterally projecting portions adapted to engage in the apertures in said lugs.

3. In a door frame, the combination of a
5 metal buck of generally channel shape in cross section, lugs struck out from said buck and projecting rearwardly in line with the flanges of the channel, said lugs having apertures therein and anchors adapted to lie be-
10 tween courses of masonry and having laterally projecting portions adapted to enter the apertures in said lugs.

4. In combination, a metal buck of channel shape in cross section, apertured lugs
15 struck out from the web of said channel and projecting rearwardly in line with the flanges of the channel and anchors adapted to lie between courses of masonry and having portions adapted to enter the apertures
20 in said lugs.

5. In combination, a metal buck, apertured lugs projecting therefrom and anchors having lateral T-head projections adapted to cooperate with the apertures in said lugs.

6. In combination, a metal buck having
25 tile lugs struck out therefrom, said lugs having elongated apertures therein, and anchors having lateral T-head projections adapted to engage in said apertures.

7. In combination, a metal buck having
30 lugs projecting rearwardly therefrom, said lugs having elongated apertures therein and narrow metal strips having lateral T-head projections on one side only, adapted to engage in the apertures in said lugs for
35 anchoring the buck to a wall.

In testimony whereof I have affixed my signature.

ISAAC A. BAUM.