June 24, 1930. I. A. BAUM 1,765,712

DOOR CASING

Filed March 11, 1929

Fig. 1.

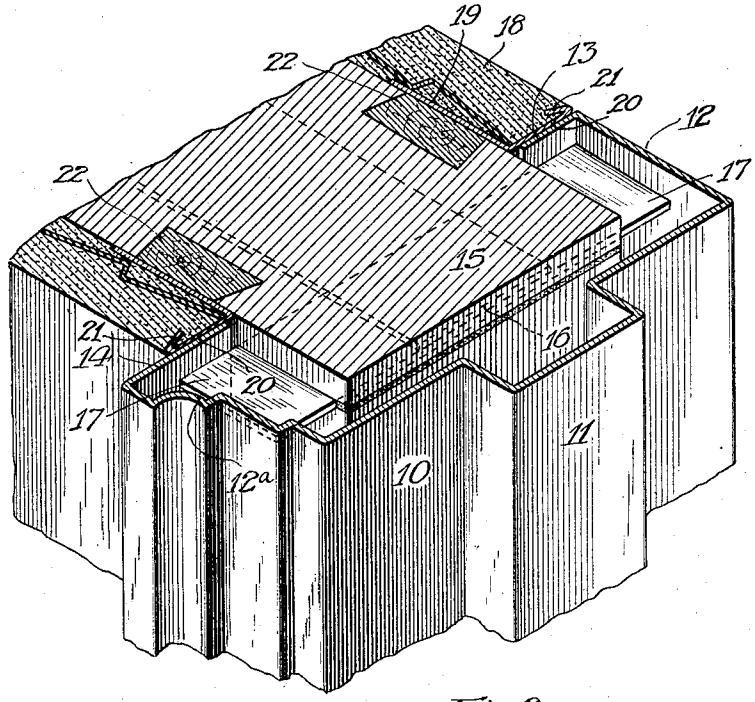
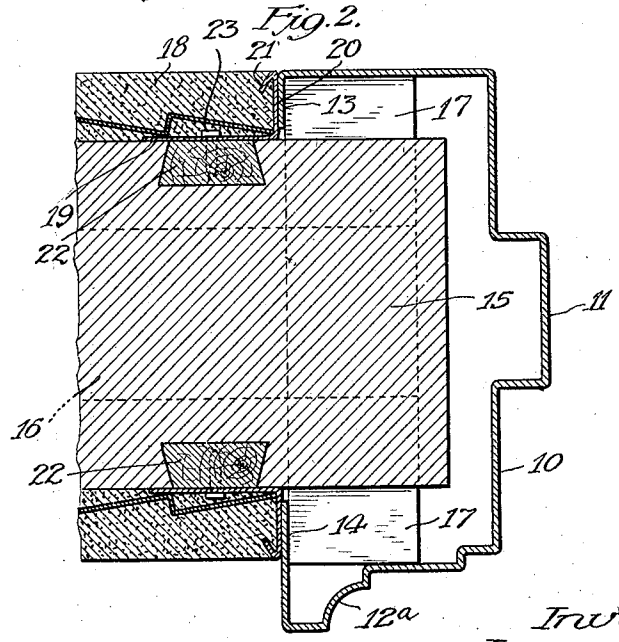



Fig. 2.




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Patented June 24, 1930 1,765,712

# UNITED STATES PATENT OFFICE

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## DOOR CASING

Application filed March 11, 1929. Serial No. 346,058.

My invention relates to buildings, and particularly to a novel door frame construction.

Difficulty is commonly experienced where metal door frames or casings are mounted on tile or other forms of masonry walls, in preventing cracking at the junction between the metal casing element and the plaster that is applied to the wall. Notwithstanding the most rigid mounting of the frame element, the shocks and jars incident to the slamming of doors results in a certain movement of the casing element. As the joint between this member and the plaster is inflexible, the result is breakage at the joint.

An object of my invention is to provide a simple, attractive and economical construction in which cracking at the junction is eliminated.

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

Fig. 1 is a sectional perspective view of a frame and a portion of a wall; and

Fig. 2 is a sectional view.

In the drawings, I have illustrated a door frame or casing, comprising a jamb 10, door stop 11, and trim or finish members 12 and $12^a$. Two forms of finish are illustrated, the one, lettered 12, being plain, and the other lettered $12^a$, being decorative. In both instances, however, the frame member is provided with inwardly projecting marginal flanges 13, 14 that terminate at a point close to the face of the tile 15.

In practice, the frames are first erected and suitably held in place by temporary braces. Thereafter, the tile wall is laid and the space within the hollow frame member not occupied by the tile is filled with mortar. An anchor of T-shape having a shank 16 and head 17 is embedded in the wall, the T-head fitting within the hollow casing.

As a means for finishing the plaster, indicated at 18, I provide plaster terminals each having a base 19, flange 20, perpendicular to the wall, and a rebent margin 21. Preferably, the tile are grooved as indicated and wood nailing strips 22 mounted therein. Nails 23 may be driven through the base 19 into the wood strips to securely hold the terminals in position independent of the frame.

By reason of the construction shown, I am able to insure complete independence of the frame and the plaster and eliminate cracks that usually occur at the junction of such members.

Certain changes may be made in the construction shown and I do not wish to be limited except as indicated in the appended claims.

I claim:

1. The combination with the edge of a masonry wall, of a hollow metal door casing fitted over the said edge, an anchor projecting into the wall for holding the casing, a plaster terminal having a flange perpendicular to the wall, said flange being arranged closely adjacent to the inside edge of said casing, and means for securing the plaster terminal directly to the masonry wall, whereby said casing and terminal are independent of each other.

2. The combination of a hollow metal door casing adapted to receive within it the edge of a tile wall, an anchor for securing the casing to the wall, a plaster terminal having a base and a flange, the latter abutting the inner edge of the casing, and means for securing the said base directly to the tile whereby the plaster terminates independently of the casing.

3. The combination of a hollow metal door casing adapted to receive within it the edge of a tile wall, an anchor for securing the casing to the wall, a plaster terminal having a base and a flange, the latter abutting the inner edge of the casing, a wood insert in said tile and means for securing the base of the plaster terminal to the wood insert.

4. The combination of a hollow metal door frame member adapted to be mounted over the edge of a masonry wall, said member having inwardly projecting margins adapted to lie adjacent to the finish line of plaster, metal plaster terminal members independent of said frame and means for securing the plaster terminals directly to the wall with the finish flange of said terminals substantially abutting the inwardly projecting margins of the frames.

In testimony whereof I have affixed my signature.

ISAAC A. BAUM.