

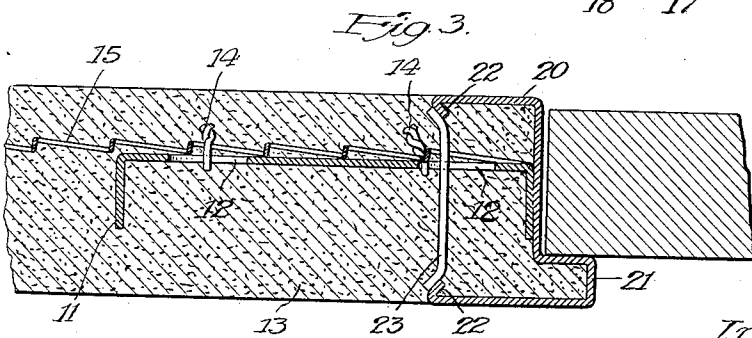
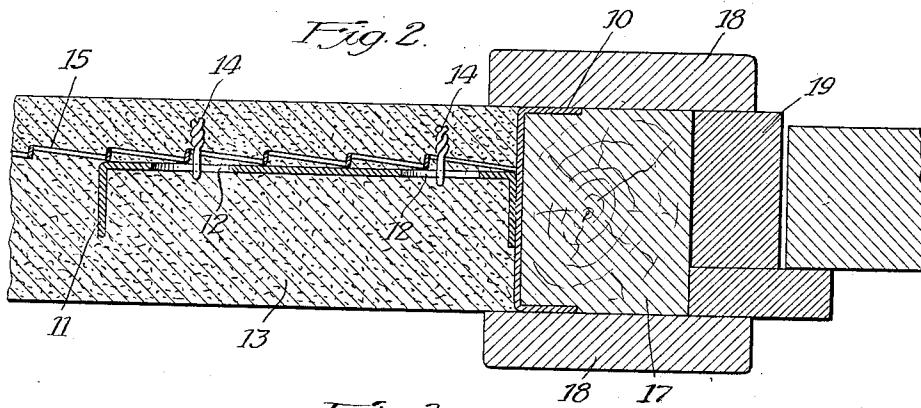
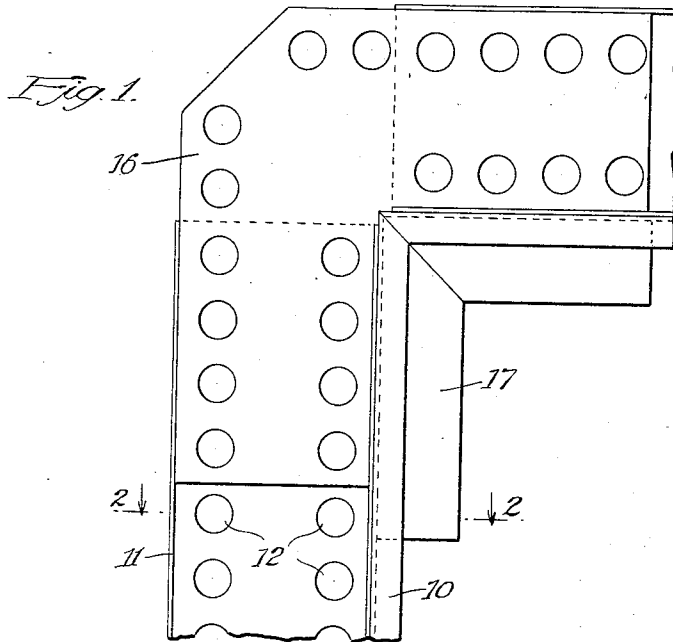
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FRAME FOR ALL PLASTER WALLS

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UNITED STATES PATENT OFFICE

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FRAME FOR ALL PLASTER WALLS

Application filed July 22, 1929. Serial No. 380,211.

My invention relates to building construction and more particularly to metal framing for all plaster wall openings.

In the construction of all plaster walls considerable difficulty has been experienced in constructing a wall of suitable strength and a minimum of reinforcing devices. Heretofore in the use of wood a very limited width of all plaster partition walls has been possible because of the limitations of the materials utilized.

However, an object of my invention is to provide a metal frame construction for all plaster walls utilizing steel frame members and an auxiliary steel strip extending the length of the frame member to serve as a stiffener for a considerable distance from the opening.

A further object of my invention is to provide means on the stiffener for suitably attaching metal lath of any desired mesh construction by the simple expedient of tying the lath at suitable intervals in the length of the stiffening member.

A further object of my invention is to provide a construction such as above described which may be completely fabricated away from the point of use and set up with a minimum of labor and time.

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

Fig. 1 is an elevation of the corner of a metal frame member constructed in accordance with my invention;

Fig. 2 is a cross sectional elevation taken upon the lines 2—2 of Fig. 1, and

Fig. 3 is a cross sectional elevation of a modification of my invention.

By reference to the drawings it will be seen that my invention comprises essentially the channel shaped metal buck member 10, and the channel shaped stiffening member 11 one flange of which is welded to the web of the buck member 10. A stiffening member 11 is provided with spaced apertures 12 in the length thereof to permit the plaster 13 to pass therethrough.

The apertures are also useful for a reception of the tie wires 14 for the purpose of

attaching metal lath 15 to the stiffening member.

At the corner of the frame construction the intersecting vertical and horizontal pieces are joined by the flat metal elbow 16 welded at suitable points on the face of the stiffening member 11. The rough buck 17 molding 18 and door stop 19 are suitably applied to the channel shaped buck 10 after the same has been set up by means of screws or other suitable attaching means.

Fig. 3 illustrates a modification of my invention which eliminates the use of wood to complete the buck construction, the entire buck 20 being formed of metal including the door stop 21. The rear of the modified form 20 is open and the rebent portions 22 of the flange are joined at intervals by a length of wire 23 suitably welded thereto. In other patents the construction is identical with the perfected form.

It is thus readily seen that I have provided a construction which is simply and economically fabricated at the shop and readily installed by common labor with a considerable saving in construction costs. Modifications may be made in the construction herewith described without departing from the spirit of my invention and I do not wish to be limited except as indicated in the appended claims.

I claim:

1. In an all plaster wall, metal frame construction comprising a channel shaped buck member and a continuous flanged wall stiffener, a flange of which is rigidly secured to the back of said channel shaped buck and positioned to extend a substantial distance rearwardly into the plaster of the wall.

2. In metal construction for all plaster walls, a channel shaped metal buck, and a continuous channel shaped wall stiffener, one flange of said wall stiffener being rigidly secured to the back of said buck, the web of said channel shaped wall stiffener having a plurality of spaced apertures in the length thereof.

3. In all plaster walls, the combination of a channel shaped metal buck, a continuous channel shaped metal wall stiffener having a

plurality of spaced apertures in the length of the web thereof, one flange of said stiffener being rigidly secured to the back of said metal buck, and metal plaster lath adapted to be secured to said wall stiffener.

5 4. In combination, a channel shaped frame member for all plaster walls, and a vertically continuous apertured plate welded to said frame member and projecting a substantial distance rearwardly from the frame in
10 the plane of the wall into the plaster of the wall for stiffening the frame and wall at the opening.

In testimony whereof I have affixed my
15 signature.

ISAAC A. BAUM.

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