

May 31, 1927.

1,630,906

C. B. RICKEN

CONCEALED INCLOSURE

Filed Feb. 23, 1927

2 Sheets-Sheet 1

Fig. 1.

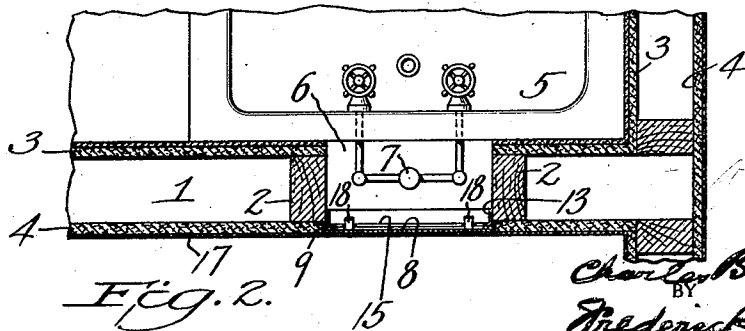
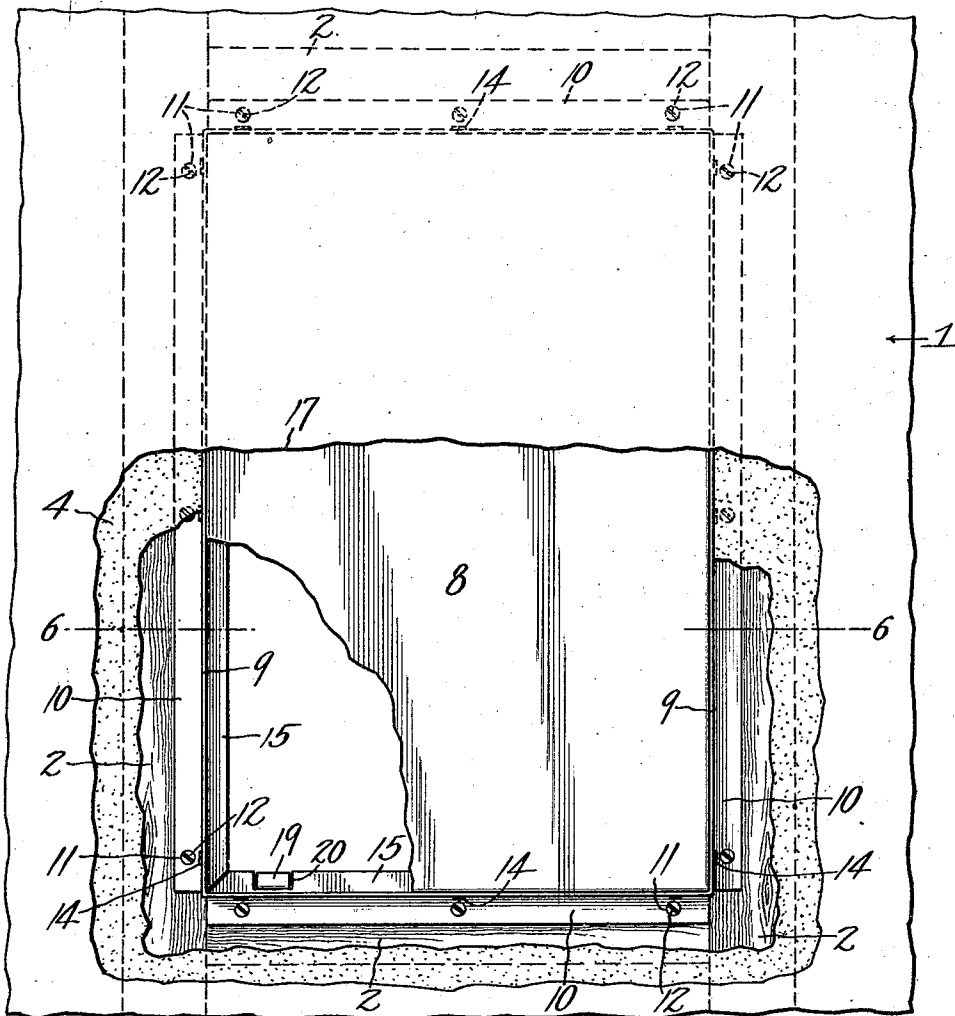


Fig. 2.

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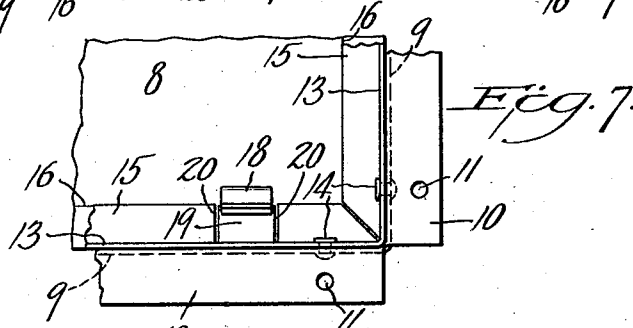
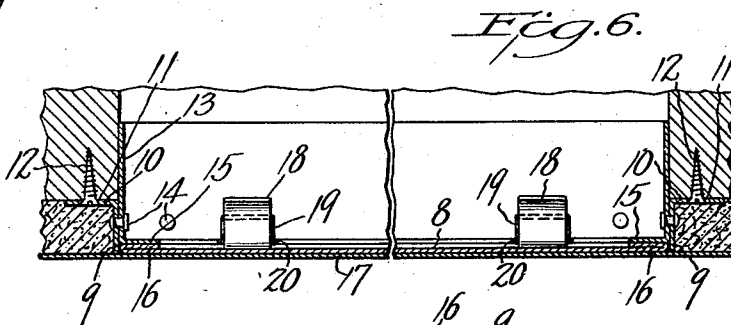
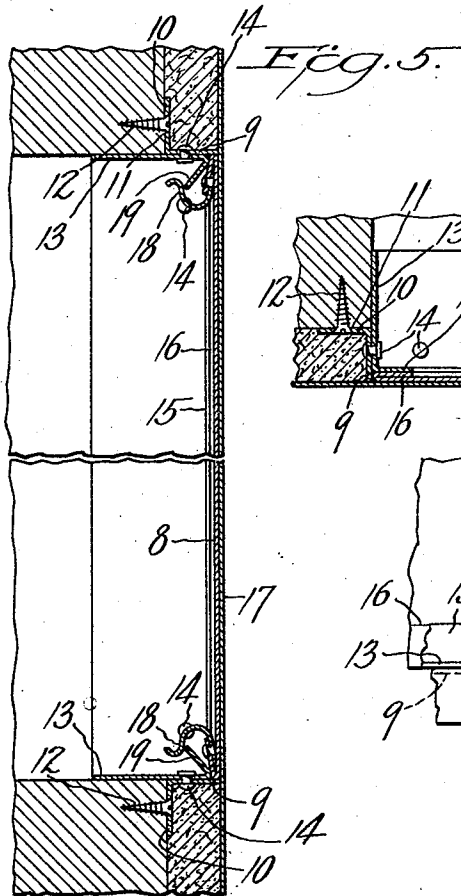
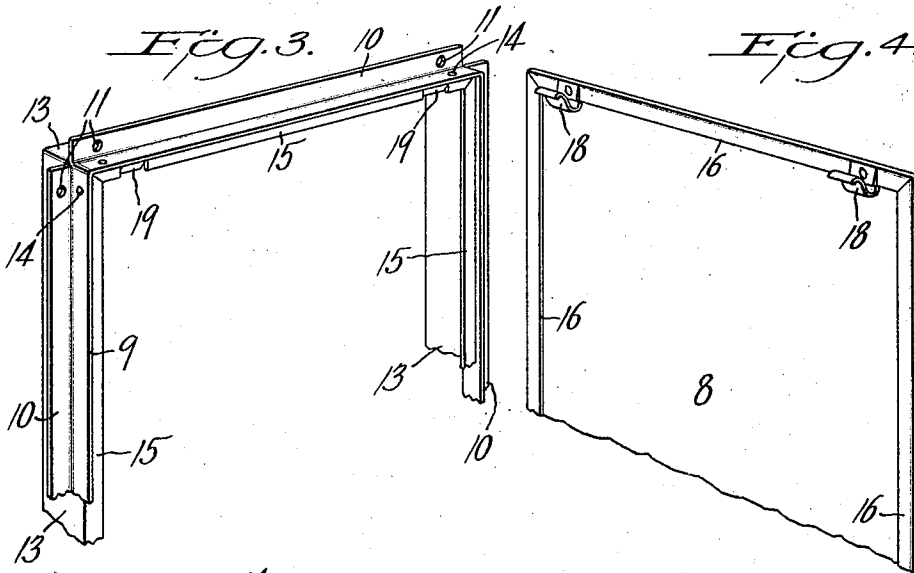
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Filed Feb. 23, 1927

2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE.

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CONCEALED INCLOSURE.

Application filed February 23, 1927. Serial No. 170,205.

This invention relates to concealed inclosures in walls for bath tub fittings and my improvements are directed to the production of a simple and economical frame for insertion in a wall recess and a panel of sheet metallic material that is removably engageable with said frame to provide a closure member that lies flush with the wall surface when in service.

My improved frame, which is of metallic material, is composed of two rectangular elements, each angular in cross-section, which interfit and are secured together in their interfitted relation; one of said elements having an outward flange to lie against the surface of the studding or wooden frame work that forms the boundary of the wall recess—to which said flange is secured; and the other element having an inward flange to serve as a seat for the closure panel. Said closure panel is in the form of a flat sheet of metallic material and is provided with spring catches to co-act with tongues cut in the inward flange of the metallic frame for effecting releasable engagement of the panel with the frame.

Other features and advantages of my invention will hereinafter appear.

In the drawings:—

Figure 1 is a front elevation, partly broken away, showing a wall surface, and opening through the wall and my improved frame and closure elements applied thereto.

Fig. 2 is a horizontal section, on a reduced scale, of the wall showing the opening therethrough, the closure means applied at one surface, a bath tub end against the opposite surface and fittings contained within the opening.

Fig. 3 is a partial perspective view of the metallic frame.

Fig. 4 is a similar view of the panel.

Fig. 5 is an enlarged vertical section of the wall opening with the frame and panel applied thereto.

Fig. 6 is a section on the line 6—6 of Fig. 1, and

Fig. 7 is a rear detail view showing one corner of the frame and panel to illustrate the means of spring engagement employed.

In said views let 1 indicate a bath room wall, and 2 the studding or frame work between its opposite plaster surfaces 3, 4, the surface 3 being that exposed to a bath

room and the surface 4 having other exposure.

Assuming a bath tub end 5 to butt against the surface 3, then an opening 6 framed by the studding 2 may accommodate the bath fittings 7 which are thereby concealed from view, but in order that said fittings may be readily accessible the opening in the plaster surface 4 is covered by a removable panel 8.

In order that said panel may be conveniently applied and removed I provide a simple and economical form of metallic frame to serve as a panel seating means. Said frame consists of two rectangular elements the outer one of which elements has a band portion 9 whose area equals that of the opening in the wall, and a flange portion 10 that lies against the studding and is provided with holes 11 so that it may be secured to the studding as by screws 12. The band portion 9 of this outer element extends from the studding to the surface of the plaster. The other or inner rectangular element has a band portion 13 that fits snugly within the band portion 9 and is secured thereto as by rivets 14 or other suitable means, the depth of this band portion 13 exceeding that of band portion 9, so that it may have a firm housing between the studding 2; said inner rectangular element also having an inward flange 15 that lies recessed below the surface of the plaster. This flange 15 is intended to serve as the seat for the closure panel and the depth of the recess whose base is formed by flange 15 is sufficient to accommodate the thickness of the closure member so that the outer surface of the latter may lie flush with the plaster surface.

As here shown the panel 8 is a rectangular sheet of metallic material whose edges are turned over to form an inner fold 16, affording reinforcement and avoiding the exposure of sharp edges. It is thus the doubled thickness of the panel that provides the depth of the panel necessary to fill the recess.

Paper or other wall covering indicated at 17, completely conceals the panel, although an incision at the junction between the panel and band 9 will permit removal of the panel as occasion requires.

As means for securing the panel in its frame I secure spring catches 18 against the

rear surface of the panel and cut tongues 19 out of the flange 15; these tongues being bent rearwardly and their clearance 20 permitting the passage of the spring catches 5 18 as the panel is pressed inwardly, the spring catches in that action snapping into engagement with said tongues, and being releasable therefrom by prying out the panel.

10 Variations within the spirit and scope of my invention are equally comprehended by the foregoing disclosure.

I claim:

15 1. The combination with a wall opening to contain bath tub fittings of a metallic frame composed of two rectangular elements, one of said elements having a band portion that fits said opening and extends out to the wall surface, and an outward flange 20 that lies against and is secured to the wall studding, the other element having a band portion that fits within and is secured to the band portion of the first named element and also extends inwardly between the stud- 25 ding, said second named element having an inward flange that lies recessed below the

wall surface, and a closure panel to be removably seated against said inward flange.

2. The combination with a wall opening 30 to contain bath tub fittings of a metallic frame composed of two rectangular elements, one of said elements having a band portion that fits said opening and extends out to the wall surface, and an outward flange that 35 lies against and is secured to the wall studding, the other element having a band portion that fits within and is secured to the band portion of the first named element and also extends inwardly between the studding 40 said second named element having an inward flange that lies recessed below the wall surface, and a closure panel to be removably seated against said inward flange, the inward flange of said second named element 45 having tongues cut and bent rearwardly therefrom, leaving clearances, and springs carried by said panel to pass through said clearances and enter into snap engagement with said tongues.

New York, February 17th, 1927.

CHARLES B. RICKEN.