July 25, 1933. E. G. REINHARDT 1,919,392

METAL DOOR JAMB

Filed Feb. 18, 1931

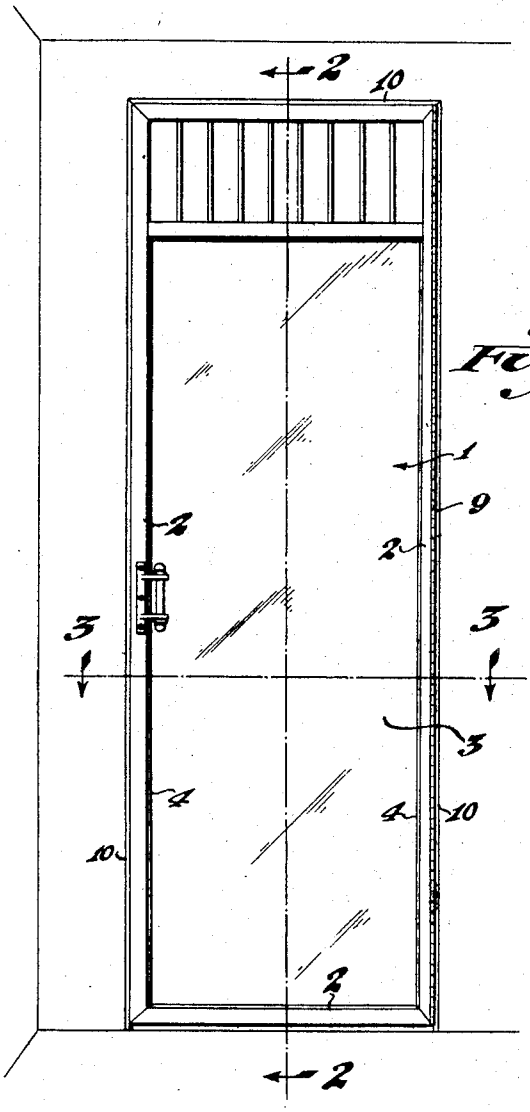


Fig. 1

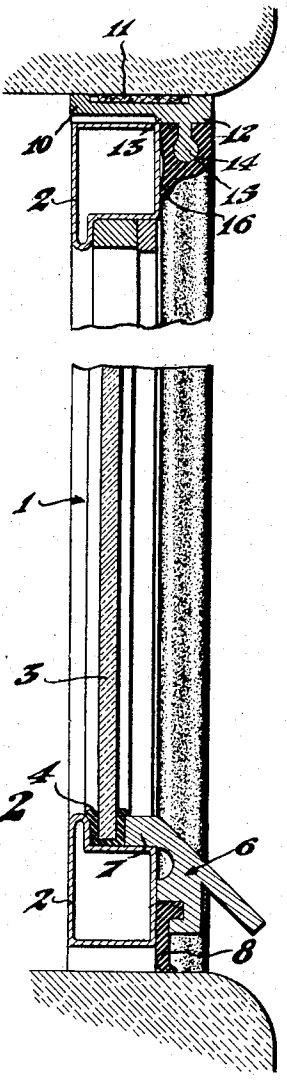


Fig. 2

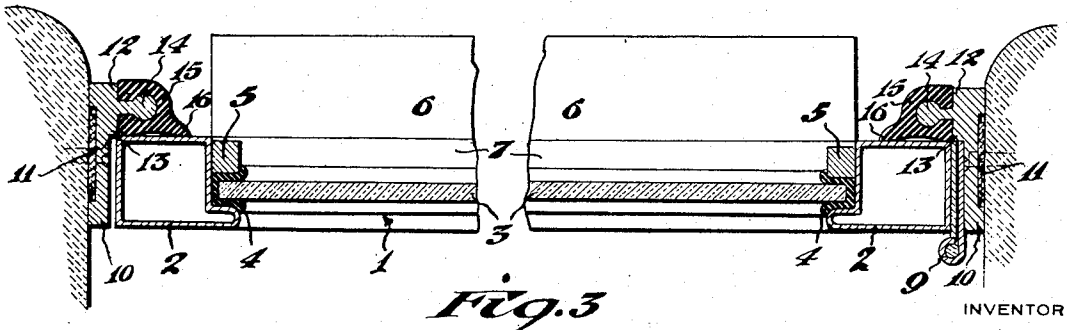


Fig. 3

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UNITED STATES PATENT OFFICE

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METAL DOOR JAMB

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The invention relates to improvements in door frame or jamb construction particularly adaptable for shower bath stalls for making a water tight closure.

An object of the invention is to provide a metallic door jamb with an elastic bead secured along one longitudinal edge to provide a rabbet for the jamb against which the door compressibly engages for making a water tight seal when the door is closed and also serves as a stop or buffer for the door.

Another object of the invention is to form a jamb of a metallic strip with an elastic bead extending at an angle from one longitudinal edge of the strip removably clipped thereto, to provide a rabbet to receive a door or the like and furnish a water tight closure.

Other objects and certain advantages will be more fully apparent from a description of the accompanying drawing, in which:

Figure 1 is a view in outer elevation of a door fitted within the improved frame or jamb.

Figure 2 is an enlarged section on line 2—2, Figure 1.

Figure 3 is an enlarged section on line 3—3, Figure 1.

Referring to the drawing, 1 indicates a door which may be of any type of construction and, as illustrated, provides a closure for shower bath stall. The door constitutes a hollow metallic frame 2 having a glass panel 3 mounted therein. The panel is suitably fitted within the frame by a rubber packing strip 4 of channel form, marginally binding the edges of the glass panel and securely mounted within the door frame by molding strips 5. The lower end of the door is provided with a drip 6 fixed to the lower cross rail of the door frame. The drip consists of a metallic strip having a horizontal flange 7 which overlaps the upper edge of the lower cross rail of the door frame and abuts the panel to bind the lower edge of the panel within the frame. It is further provided with an inclined body portion having on its under side a depending flange lapping against the side face of the lower cross rail of the door frame. The lower edge of the flange is grooved to receive a rubber sealing strip 8 having a rib or flange engaged within the groove of the flange of the drip 6. The free edge of the strip 8 contacts with the sill of the door opening when the door is closed.

The door is hinged to the jamb or frame by a piano-type of hinge 9, in which the hinge leaves extend approximately the full length of the door. The jamb or door frame is formed of metallic strips 10 longitudinally channelled on one or the rear side to receive a packing strip 11 preferably of a felt material which is compressed within the channel when the jamb strip is secured to the door opening. The jamb strip longitudinally, at one edge is provided with an offset portion 12 forming a rabbet shoulder 13 and the rib or bead 14 extending laterally from the face side of the offset portion and longitudinally therewith, forming a tenon or dove-tail for binding or interlockingly applying a rubber or resilient strip 15 thereon preferably of the width of the offset to bring the same flush with the surface of the shoulder 13, and combining therewith to make the rabbet for the jamb. The forward end of the sealing strip is provided with an outwardly extending lip 16 which is adapted to compressively engage the door frame when the door is closed.

The interlocking joint for removably securing the resilient sealing or buffer strip may be of various designs or configurations and represented as a metallic core or reinforcement for the sealing strip to give the same the necessary stability as a stop for the door as well as provide means for removably securing the sealing strip to the base or jamb strip 10 the concept primarily being to form a jamb or frame with the metallic strip base and the resilient bead at an angle to the base to provide a rabbet.

Having described my invention, I claim:

1. A metallic jamb for doors and the like, comprising, a strip having a longitudinal marginal offset portion on its face side, a rib extending at right angles centrally of said offset portion having a beaded head, and an elastic strip longitudinally channelled and corresponding to the contour of the rib for engagement thereon, securely mounting the elastic strip to the metallic strip and abut-

tingly contacting against the face of said offset portion, said strip having a lip extending from its forward edge for compressively contacting with a door engaged thereagainst.

2. A metallic jamb for doors and the like, comprising, a metallic strip having a longitudinally channelled rear side and a headed rib extending longitudinally from its face side toward an edge thereof, a rubber strip longitudinally channelled, the channel corresponding to the contour of the rib for enveloping the rib and securely mounting the rubber strip to the metallic strip, the rubber strip forming a yielding rabbet for the jamb, and a lip extending from the front edge of the rubber strip for compressibly contacting with a closure engaged thereagainst.

EDWIN G. REINHARDT.