July 25, 1933. E. G. REINHARDT 1,919,393

METAL DOOR JAMB

Filed Nov. 23, 1931

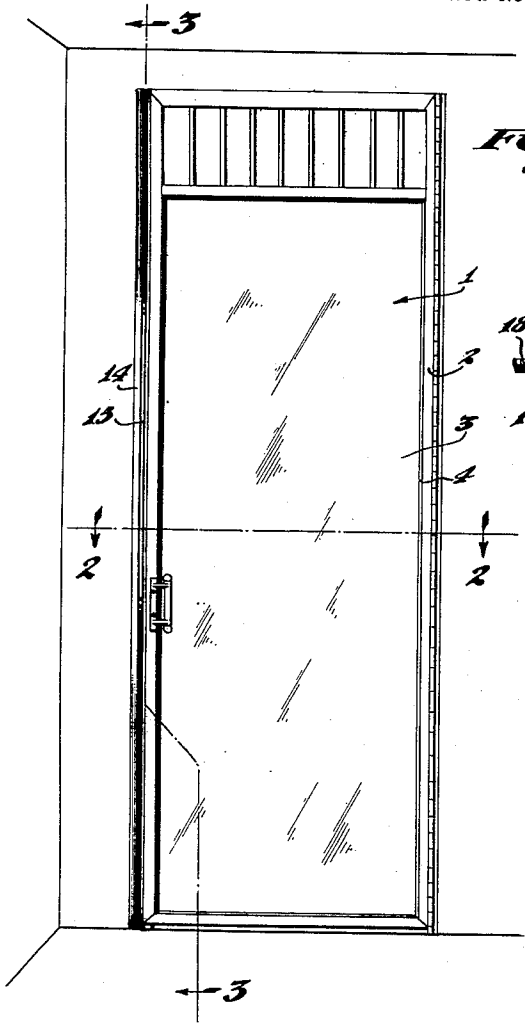


Fig. 1

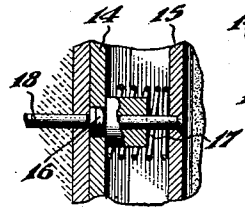


Fig. 4

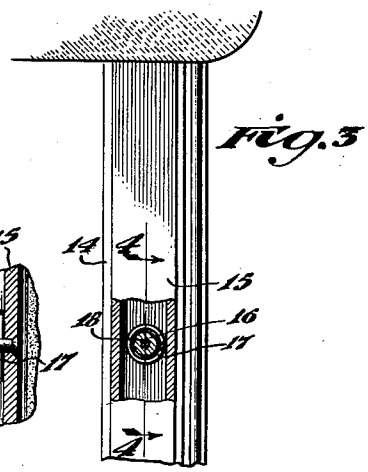
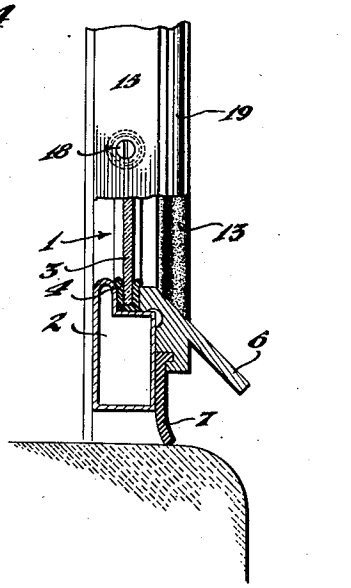


Fig. 3



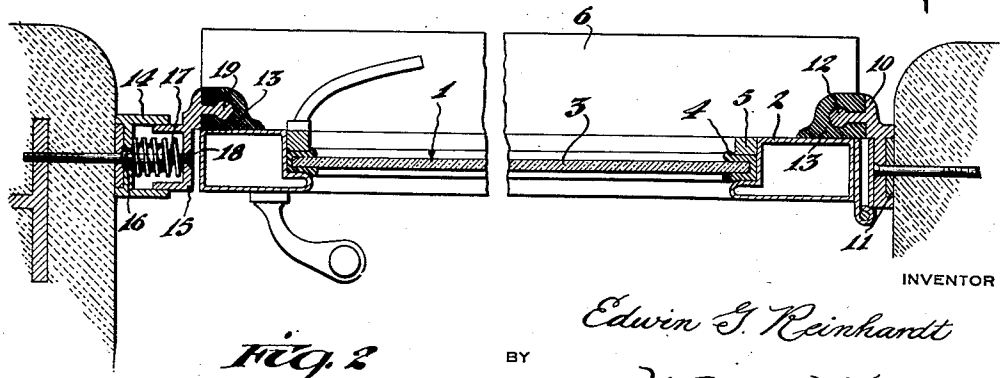


Fig. 2

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1,919,393

UNITED STATES PATENT OFFICE

EDWIN G. REINHARDT, OF CINCINNATI, OHIO

METAL DOOR JAMB

Application filed November 23, 1931. Serial No. 576,748.

This invention relates to improvements in metal jambs, particularly for shower stall doors, in which the jambs are fitted within tile wall door openings and abuttingly against the face side of the tiling.

For this type of work difficulty is frequently encountered to properly set the jambs and doors due to the tile work being either out of plumb, or the surfaces of the tile not flush with one another, or the door opening width slightly exceeding or varying from the measurements called for in the building plans.

The jambs comprise mold metal strips which can not be conveniently dressed at the place of installation without tedious and costly labor.

It is therefore an object of the invention to provide an adjustable jamb, preferably comprising a pair of channel metal molding strips or sections nested or telescoped together to form a hollow structure expansible or contractible, adapting the members to be inclined relative to the perpendicular, and to provide a structure automatically expansible by a plurality of springs suitably spaced apart and engaged between the members and housed thereby.

Various other features and advantages of the improvement will be more fully disclosed in the description of the accompanying drawing, in which:

Figure 1 is a front elevation of a shower door, fitted to the jambs of the door opening.

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

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

Figure 4 is an enlarged section on line 4—4, Fig. 3.

Referring to the drawing, 1 indicates a door which may be of any type of construction and, as disclosed, constitutes a hollow metallic frame 2, arranged for seating a glass panel 3. The glass panel, marginally is engaged by a channel packing 4, bearing against a flange of the door frame and secured in place by a molding strip 5. The lower end of the door is provided with a drip 6, fixed to the lower cross rail of the door frame in the form of a bevelled strip, having a depending flange which overlaps the outer side of the cross rail. One side of the flange is grooved to receive a sealing strip 7, having a rib or flange engaged within the groove of the flange of the drip 6. The free edge of the sealing strip 7 contacts with the seal of the door opening when the door is closed.

Slight variations in width of door opening can generally be met with when one of the jambs is adjustable, the adjustable jamb preferably being at the side which does not sustain the door. Therefore, the jamb of the hinged side of the door in the present instance, is of a type as disclosed in a pending application to Edwin G. Reinhardt, Serial No. 516,626, filed February 18, 1931, constituting a molding strip 10 horizontally channeled on one or the rear side to receive a packing strip 11, preferably of felt material. The packing strip 11 is compressed within the channel when the jamb strip is secured in place to the wall of the door opening, making a water tight seal or joint. The jamb 10 longitudinally at one edge is offset or provided with an angle extension 12, having a beaded edge for longitudinally holding a binding or packing strip 13, preferably of rubber material to provide a cushion and seal for the door. The door is hingedly secured to the jamb by a piano-type hinge, extending the full length of the door.

The jamb for the opposite side of the door is adjustable and of sectional form, comprising a channel strip 14, which bears against the wall door opening. The strip is of double channel formation with the channel for one side of a shallow depth, into which a packing strip is fitted for making a sealing or water tight joint with the wall surface of the door opening.

The channel for the opposite side is of relatively greater depth and telescopically receives a second channel strip 15 with its channel open thereto and therewith forming a hollow unit. The strip 14 preferably at uniformly spaced points, centrally and longitudinally of the channel is pro-

vided with a series of studs 16, each for supporting a spring 17, between the strips 14 and 15 for automatically expanding the jamb and imposing an outward pressure upon the jamb 15.

The parts are held together and secured to the wall by a series of screws 18, engaged with the strip 15, and passing through the strip 14 into the wall. This construction provides for a jamb adjustment to accommodate for variations in door width opening and to properly fit the door to the jambs, as the jamb 15 can be set to the perpendicular or at any inclination thereto.

The strip 15 at its outer edge is provided with an angle extension 19 for anchoring a rubber or pliable packing strip 13 serving as a stop or buffer for the door.

Having described my invention, I claim:

1. An adjustable door jamb, comprising, a pair of channel strips with the channels thereof opposing each other, and one strip telescoped within the other to provide a hollow unit, a series of springs interposed between said strips and housed thereby for urging the strips apart, studs within the channels fixed to one of the strips, each respectively supporting a spring, and fastening devices passing through said strips and studs and into the wall to which the jamb is secured and relatively adjusting said strips.

2. An adjustable door jamb, comprising, a pair of channel strips with the channels thereof opposing each other, the strips telescoped to provide a hollow unit, one of the strips having a lateral flange longitudinally thereof forming an abutment for the free edge of a hinge door, a series of springs interposed between said strips and housed thereby for urging the strips apart, studs within the channels fixed to one of the strips, each respectively supporting a spring, and fastening devices engaged through the studs, adjustably securing said strips together and securing the parts to the walls of the door opening.

EDWIN G. REINHARDT.