Sept. 23, 1930. L. E. BATES 1,776,648

DOOR MOUNTING FOR CABINETS AND THE LIKE

Filed Feb. 18, 1929

Fig. 1

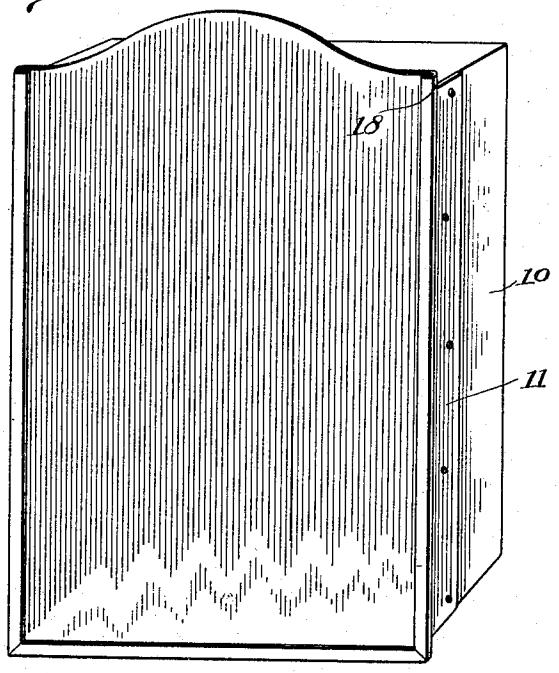


Fig. 2

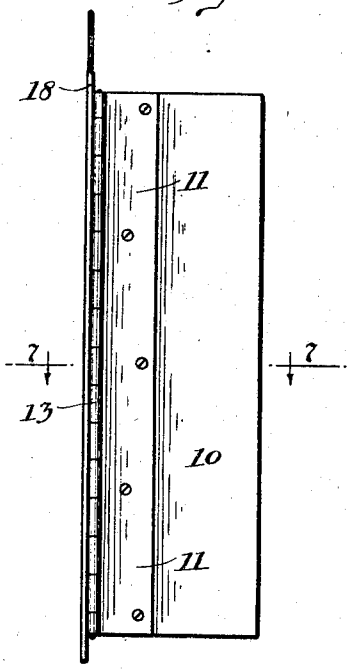


Fig. 3

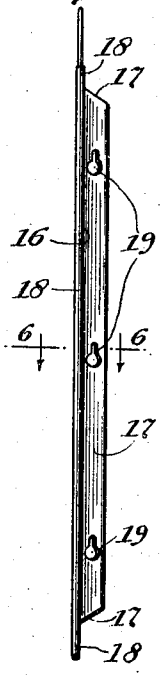


Fig. 4

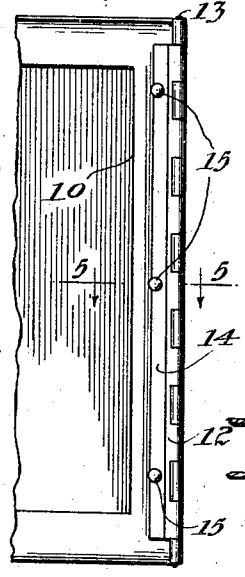


Fig. 5

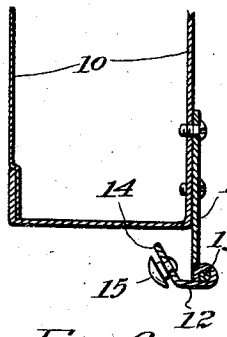


Fig. 6

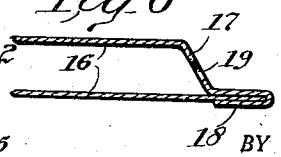


Fig. 7

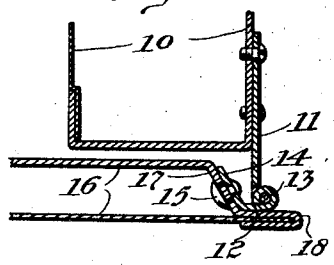


Fig. 8

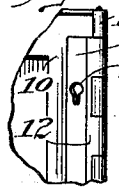
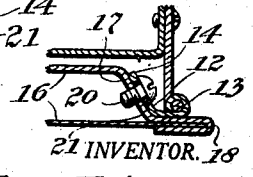


Fig. 9



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Patented Sept. 23, 1930 1,776,648

UNITED STATES PATENT OFFICE

LUTHER E. BATES, OF CHICAGO, ILLINOIS, ASSIGNOR TO MORTON MANUFACTURING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS

DOOR MOUNTING FOR CABINETS AND THE LIKE

Application filed February 18, 1929. Serial No. 340,753.

The invention relates to an improved door mounting for cabinets and the like and has for its primary object the provision of an improved construction of this character capable of economical manufacture and highly efficient in use.

Another object of the invention is the provision of an improved construction of this character having special provision for the ready removal or detachment of the door.

Other objects will appear hereinafter.

The invention consists in the combination and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which:

Fig. 1 is a perspective view of a cabinet equipped with a door having a mounting embodying the invention.

Fig. 2 is a side view of the same.

Fig. 3 is an edge view of the door detached.

Fig. 4 is a front of the hinge mounting shown with the door detached.

Fig. 5 is an enlarged section taken substantially on line 5—5 of Fig. 4.

Fig. 6 is an enlarged section taken substantially on line 6—6 of Fig. 3.

Fig. 7 is an enlarged section taken on line 7—7 of Fig. 2.

Fig. 8 is a partial view similar to the upper portion of Fig. 4 but showing a slightly modified form of construction.

Fig. 9 is a horizontal section illustrating the modification with the door attached.

The form of construction illustrated in Figures 1 to 7 inclusive of the drawings comprises a medicine cabinet 10 formed of sheet metal as shown, open at the front and adapted and arranged to be suspended on the wall of a bath room or the like. A hinge plate 11 is secured to one side of the cabinet 10 and extends the full height thereof, projecting forwardly beyond the outer face of the cabinet as shown. A second hinge plate at 12 is hingedly connected at 13 with the plate 11 and is co-extensive therewith. The outer free or swinging portion 14 of the plate 12 is angularly bent with relation thereto and is provided with a plurality of headed studs 15 as shown. The door 16 is in hollow sheet metal form constructed as indicated with inclined or beveled side edges 17 and with projecting ledges 18 as shown. The beveled side edge 17 adjacent the hinge plate is provided with a plurality of key-hole slots 19 adapted and arranged to receive headed studs 15 and serve as a detachable mounting for the door. The outer face of the door may carry a suitable glass or other ornamentation.

With this arrangement a simple and effective and durable mounting is provided for the door 16. All that is necessary to remove the door is to raise it slightly until the headed studs register with the lower enlarged slots 19 when the door may be laterally moved to disengage the same from the hinge mounting. The hinge mounting disclosed will also be found to be strong and durable in use and practically concealed and protected by the door and hinge construction.

In the modification illustrated in Figs. 8 and 9 a slightly different form of headed stud 20 is attached to the beveled side 17 of the door and keyhole slots 21 are formed in the angularly bent portion 14 of the hinge plate 12. This form of construction is simply a reversal of the parts already described and operates in substantially the same way with substantially the same effect.

While I have illustrated and described the preferred form of construction, this is capable of variation or modification without departing from the spirit of the invention. I therefore do not wish to be limited to the precise details disclosed but desire to avail myself of such variation and modification as fall within the scope of the appended claims.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:

1. The combination of a cabinet opening at the front; a hinge plate secured to one side of said cabinet and extending substantially the full height thereof; a second hinge plate hingedly connected to the forward edge of said first-mentioned plate and extending substantially the full height thereof, said second hinge plate being angularly bent; a

hollow sheet metal door member for said cabinet and detachably mounted on said second mentioned hinge plate, said door being provided with an inclined side fitting said angularly bent portion of said hinge plate; and a headed stud and key-hole slot connection between said beveled side of said door and said angularly bent hinge plate.

2. The combination of a cabinet opening at the front; a hinge plate secured to one side of said cabinet and extending substantially the full height thereof; a second hinge plate hingedly connected to the forward edge of said first-mentioned plate and extending substantially the full height thereof, said second hinge plate being angularly bent; a hollow sheet metal door member for said cabinet and detachably mounted on said second mentioned hinge plate, said door being provided with an inclined side fitting said angularly bent portion of said hinge plate; a headed stud and keyhole slot connection between said beveled side of said door and said angularly bent hinge plate; and a projecting ledge on said door covering and concealing said hinge mounting.

3. The combination of a cabinet opening at the front; a hinge plate secured to one side of said cabinet and projecting forwardly therefrom; a second hinge plate hingedly connected to the forward edge of said first mentioned plate; a hollow sheet metal door member for said cabinet and detachably mounted on said second mentioned hinge plate, said door being provided with a side fitting said second hinge plate; a headed stud and keyhole slot connection between said door side and said second mentioned hinge plate; and a ledge on said door projecting laterally over said hinge plates.

LUTHER E. BATES.