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S. HAMMER

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WALL CABINET MOUNTING

Filed Jan. 22, 1932

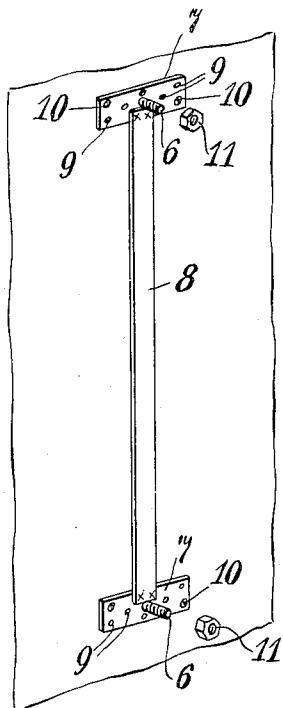


Fig. 1.

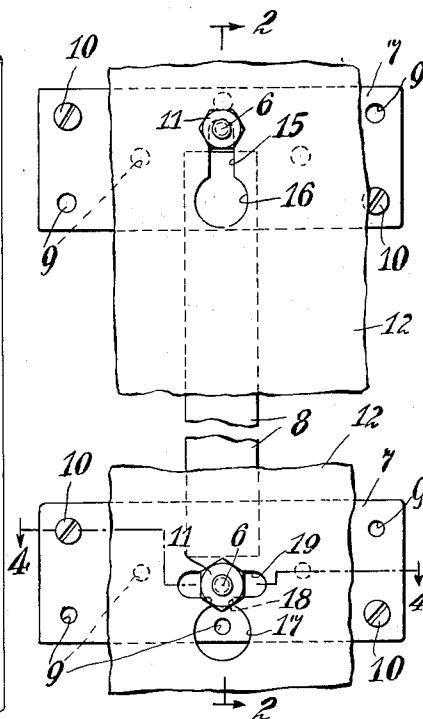
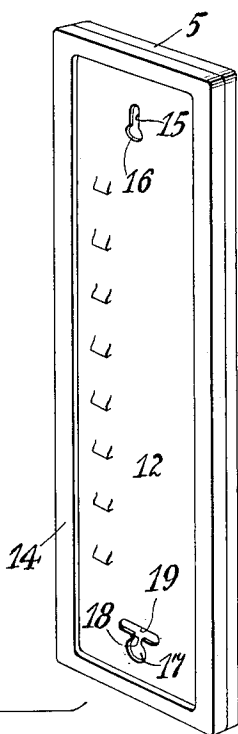


Fig. 3.

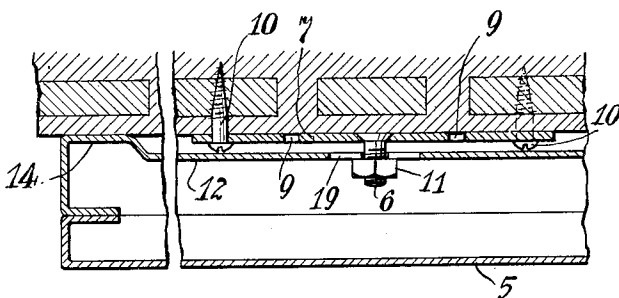
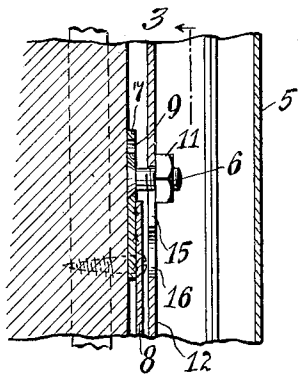


Fig. 4.

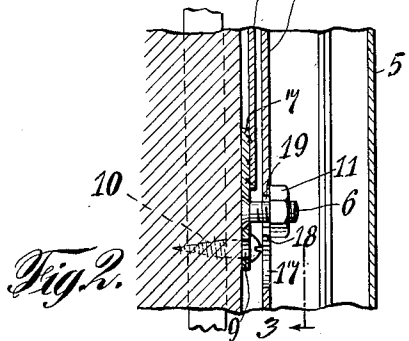


Fig. 2.

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UNITED STATES PATENT OFFICE

SAMUEL HAMMER, OF BROOKLYN, NEW YORK, ASSIGNOR TO UNITED METAL BOX CO. INC., OF BROOKLYN, NEW YORK, A CORPORATION OF NEW YORK

WALL CABINET MOUNTING

Application filed January 22, 1932. Serial No. 588,082.

This invention relates to a wall cabinet mounting, and has for its general object and purpose to provide means whereby cabinets, such as may be provided for housing clothes dryers or other household conveniences or accessories may be easily, quickly and securely mounted upon the face of the room wall.

More particularly, the important object of my invention is to provide a mounting for cabinets of vertically elongated shape or form embodying vertically spaced supporting members for attachment to the face of the room wall, and means on the rear side wall of the cabinet at its upper and lower ends to cooperate with the respective supporting members, one of said means being of such construction as to permit of a lateral adjustment of the cabinet so as to dispose the same in a truly perpendicular position on the face of the wall, notwithstanding the fact that said supporting members may be out of vertical alignment with each other.

It is a further detail object of the invention in one of its practical embodiments to provide the cabinet supporting members in the form of threaded studs with means permanently connecting the studs in spaced apart relation to each other, and whereby the said studs may be securely attached to the face of the wall, each of the studs being provided with a clamping nut, in combination with the cabinet having its rear wall provided at its upper and lower ends with suitably shaped or formed slots or openings through which the studs with the nuts thereon may pass, and one of said openings permitting of a lateral adjustment of the cabinet at one end. Thus after accurately disposing the cabinet in its perpendicular position, by adjustment and tightening the nuts against the rear wall of the cabinet, said wall at its marginal edge may be forced into tight frictional contact against the wall face.

My invention also comprehends the provision of a very simple and inexpensive mounting for such wall cabinets which may be furnished with the cabinet without appreciably increasing its manufacturing or selling price, and which admits of the easy and quick attachment of said mounting means upon either a wooden or non-fireproof wall or upon a fireproof wall structure, as the case may be, with the adequate security for rigidity supporting the cabinet and the device or apparatus contained therein upon the face of the wall.

With the above and other objects in view, the invention consists in the improved mounting for wall cabinets, and in the form, construction and relative arrangement of its several parts, as will be hereinafter more fully described, illustrated in the accompanying drawing and subsequently incorporated in the subjoined claim.

In the drawing wherein I have disclosed one simple and practical embodiment of the device, and in which similar reference characters designate corresponding parts throughout the several views,—

Figure 1 is a perspective view showing the rear side of the wall cabinet and my improved mounting therefor attached to the face of the building wall;

Fig. 2 is a vertical fragmentary sectional view on the enlarged scale taken substantially on the line 2—2 of Fig. 3;

Fig. 3 is a fragmentary front interior elevation showing the cabinet mounted upon the wall face, and

Fig. 4 is a horizontal sectional view taken substantially on the line 4—4 of Fig. 3.

Referring in detail to the drawing, 5 generally designates a cabinet of vertically elongated rectangular form, such for instance as that which I provide for the purpose of housing or encasing clothes dryer apparatus as shown in my co-pending application, Serial No. 581,200, filed December 15, 1931. This cabinet which extends from a distance about four and one-half feet above the floor to a point closely adjacent to the ceiling of the room, would ordinarily be somewhat difficult to mount on the face of the room wall in a truly perpendicular position with the assurance of adequate support for the comparatively heavy cabinet structure and its contents, so that it would not loosen and pull away from the wall. The purpose, therefore, of my present invention is to provide a mounting which will obviate this difficulty and enable the home owner or householder to easily, quickly and securely mount the cabinet in accurate perpendicular position upon the wall face with the assurance of adequate support therefor, and without greatly defacing the wall structure, so that when necessary the cabinet with its mounting means can be readily removed and transported to a new location with the other household goods of the owner.

With the above end in view, my present

invention in one of its practical embodiments includes the supporting studs 6. As herein shown, these studs are threaded and are rigidly fixed at one of their ends in any suitable manner centrally to the attaching plates 7. Preferably, though not necessarily, these attaching plates are connected with each other in suitably spaced apart relation as determined by the length of the cabinet 5, by means of the metal strip 8. Each attaching plate 7 is provided with a plurality of suitably spaced openings 9. When the cabinet is to be mounted upon a non-fireproof wall structure, the attaching screws indicated at 10 are inserted through selected openings 9 in the plate 7, which are in line with the wood laths of the building wall. On the other hand, when the cabinet is to be mounted upon a fireproof wall, expansion screws of any desired standard type are employed. A clamping nut 11 is provided for each of the threaded studs 6.

The rear wall of the body of the cabinet 5 has its inner area depressed or off-set as indicated at 12 from the plane of the outer marginal wall face engaging portion 14 of said cabinet wall. This depression of the rear wall of the cabinet body provides a recess, accommodating the attaching plates 7, and the connecting strip 8 extending therebetween.

The part 12 of the cabinet wall is provided near its upper end and centrally between the side edges of said wall with a keyhole slot 15 having the circularly enlarged lower end 16. At its lower end, and in alignment with the slot 15, the cabinet wall is provided with the circular opening 17 which is in communication at the upper side thereof, as shown at 18, with the central portion of a horizontally extending slot 19.

Assuming that the spaced studs 6, with the nuts 11 thereon, have been attached to the face of the wall, in mounting the cabinet, the respective upper and lower studs and the nuts are passed through the large lower end 16 of the keyhole slot 15 and the opening 17 in the rear wall of the cabinet body. The cabinet is then lowered until the upper stud 6 engages the upper end of the slot 15, at which time the lower stud 6 is positioned loosely through the horizontal slot 19. If, as may frequently be the case, in attaching the spaced plates 7 having the studs 6 to the face of the wall, the studs do not happen to be in exact vertical alignment with each other, the lower end of the cabinet may then be shifted laterally in either direction relative to the lower stud 6 until the cabinet is disposed in the desired perpendicular position upon the face of the wall. The two nuts 11 are then adjusted upon the respective studs and tightened against the rear wall of

the cabinet body, thereby urging the marginal edge portion 14 of said wall into close frictional clamping contact against the face of the building wall, and thus securely fixing and holding said cabinet in its proper perpendicular position against shifting movement relative to the wall face by shock or jar or accidental contact with the edges of the cabinet body.

From the above description considered in connection with the accompanying drawing, it will be seen that I have devised a very simple means whereby such cabinets may be quickly and accurately mounted upon the face of the building wall with a minimum of manual labor, both in the attachment of said means to the face of the wall and in the mounting of the cabinet thereon. By permanently connecting the supporting studs for the cabinet in spaced relation to each other in the manner above explained, the means for mounting the cabinet may be temporarily and removably attached to the rear cabinet wall for convenience in shipment and transportation, the attaching plate 7 and connecting strip 8 being held within the recess of the rear cabinet wall by means of the nuts 11, and possible separation and loss of the parts of the mounting thus obviated. However, it will be understood that, if desired, these studs may be secured to the opposite ends of a metal strip of uniform width, or they may be carried by separate and independent attaching plates. Also, in other detail respects, my invention, as herein disclosed, may be susceptible of more or less modification or change, and it is therefore to be understood that in practice, I reserve the privilege of embodying the essential features of the present disclosure in such other alternative structural forms as may be fairly incorporated within the spirit and scope of the appended claim.

I claim:

An elongated cabinet adapted to be mounted upon vertically spaced studs projecting from the face of a wall, said cabinet including a rear wall having a vertically extending slot at its upper end to receive one of said studs, and said cabinet wall at its lower end being provided with an opening and a horizontal slot centrally communicating with the upper side of said opening to receive the other of said studs and to permit of the lateral adjustment of the latter end of the cabinet relative to said stud, whereby the cabinet may be perpendicularly positioned upon the wall face when the studs are vertically disaligned.

In testimony that I claim the foregoing as my invention, I have signed my name hereto.

SAMUEL HAMMER.