

April 11, 1944.

M. LUMLEY

2,346,316

BATHROOM CABINET

Filed March 17, 1941

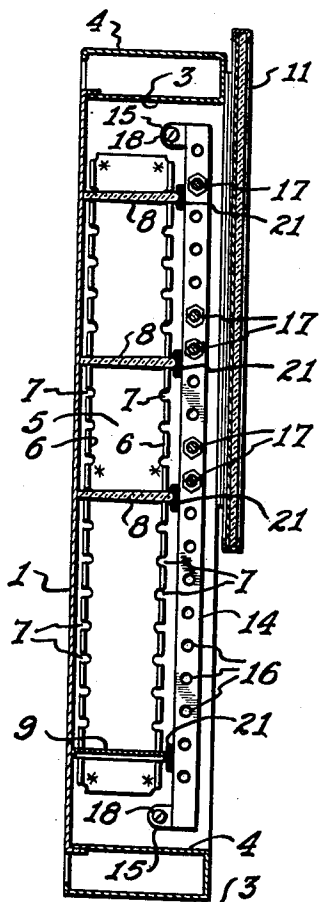


FIG. 2.

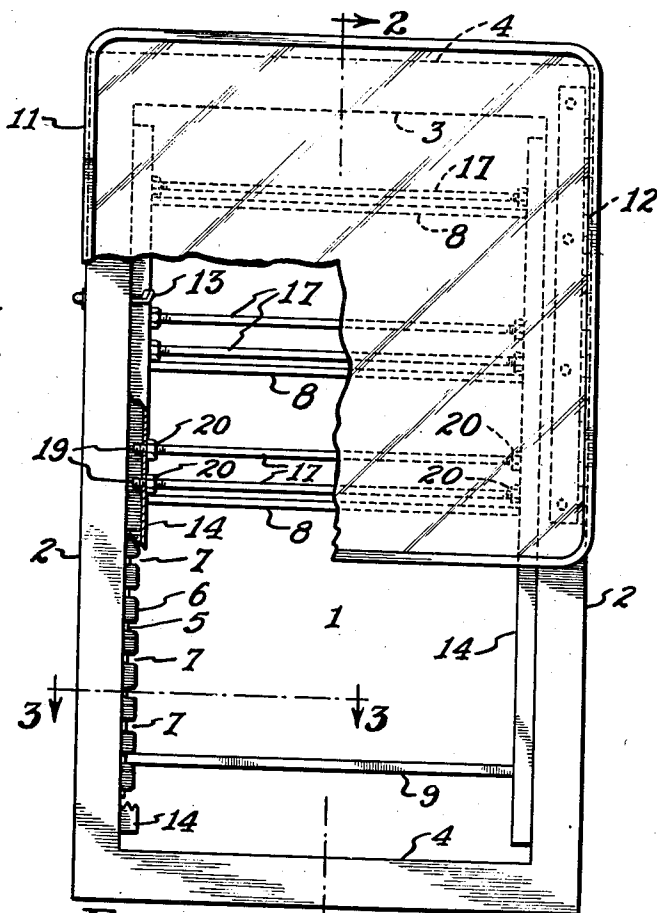


FIG. 1.

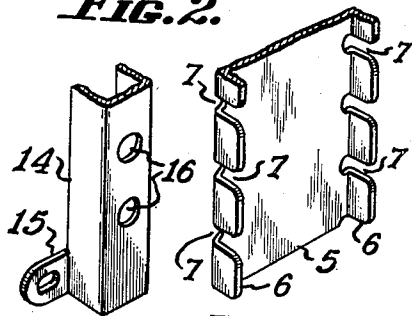


FIG. 4.

FIG. 5.

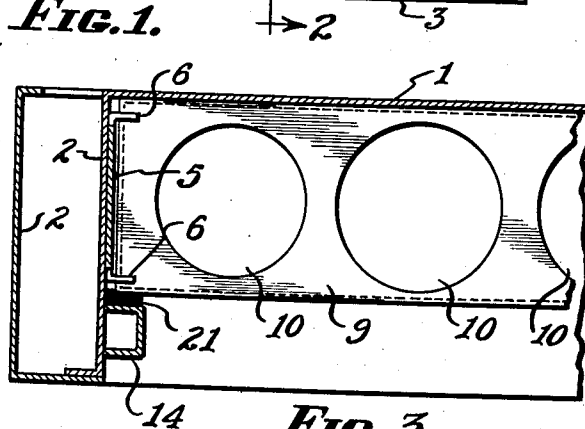


FIG. 3.

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2,346,316

BATHROOM CABINET

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The F. H. Lawson Company, Cincinnati, Ohio,
a corporation of Ohio

Application March 17, 1941, Serial No. 383,738

8 Claims. (Cl. 312—156)

My invention relates to bathroom cabinets designed most particularly for use in ships. In such a location there is the probability of excessive vibrations and hence, rattling, and this must be provided against while at the same time permitting a ready adjustability of the shelves for location and spacing. Furthermore, there must be a ready arrangement for protecting articles on the shelves from sliding off, as by rods inserted so as to form guard rails, and these guard rails must be adjustable.

It is to the end of providing for such contingencies that I have designed the cabinet of the present invention. It is my object to provide a bathroom cabinet or cabinet for analogous uses, which is non-rattling, have adjustable shelves and adjustable guard rails, and in which the adjustments can be accomplished with a minimum of difficulty and in a simple manner.

I accomplish my objects by that construction and arrangement of parts of which a typical example will be shown and described below, and the novelty inherent in which will be set forth in the claims that follow to which reference is hereby made.

In the drawing:

Figure 1 is a front elevation of the improved cabinet with parts broken away and certain parts in section.

Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is an enlarged fragmentary sectional view taken on the line 3—3 of Fig. 1.

Fig. 4 is a perspective showing an end of a shelf retaining channel, and

Fig. 5 is a perspective showing a fragment of a shelf supporting channel.

The body of the cabinet may be of standard construction and is shown as having a single thickness back plate 1, and box section walls 2, 2, at the side, and 3, 4 and the top and bottom.

Secured on the sides, inside of the cabinet are rails 5, which are formed preferably of a strip of sheet metal bent to have two upstanding flanges 6, which flanges are notched as at 7, so as to form a series of supporting grooves for shelves 8. It is evident that suitable shelves such as plates of glass made to fit into the notches in the flanges of the two side rails may be placed wherever desired in the matching notches at the two sides of the cabinet, provided by the rails.

As shown, the bottom member may be a plate 9 with holes 10 in it for glasses which will seat on bottom walls 4 of the cabinet and be held in the holes.

A door 11 may be provided for the cabinet, hinged at 12, and closing all or (as shown) a part of the cabinet. I have indicated a latch 13 which will engage and hold a matching member on the door to keep it shut, when closed.

As so far described, the cabinet may be con-

sidered as of usual construction. I provided, however, for holding the shelves against rattling and for the insertion of guard rails for the shelves in various positions of adjustment. To that end there are two clamping bars 14, 14 which may be made of channel strips, said bars having ears 15, 15, top and bottom, pierced with holes for mounting screws. Extending throughout the bars are a series of holes 16, for mounting of rods 17 to serve as guard rails for the shelves whatever be the location of the shelves in the notched mounting rails. Furthermore, the holes are close enough together to permit of adjusting the position of any guard rail as to its spacing from the particular shelf position which is decided upon.

The clamping bars are held in place by means of screws 18 at the front, upper and lower corners of the sides of the cabinet although, if desired, the upper screws 18 could be replaced with studs on which the upper ears 15 are set and on which they pivot.

The proportion of the parts and location of the screw holes in the cabinet walls are such that when the clamp bars are in place they will come into abutment with the shelves and hold them tightly in place. I prefer to employ rubber clips 21 over the outer edges of the shelves where they will be contacted by the clamp bars, thus assuring against rattling more perfectly and cushioning the engagement of the clamp bars with the ends of the shelves.

When it is desired to change the location of the shelves the lower screws 18 are removed and the clamp bars swung outwardly on the upper screws (or studs) acting as pivots. The shelves are then placed where desired in the notched side rails and then the clamp bars swung back down again, and screwed in place, whereupon the shelves will be clamped tightly in place.

As a convenient form of guard rail rod I provide rods which are threaded as at 19 on the ends, with nuts 20 thereon. By backing up one of the nuts a rod can be inserted in the desired hole in one clamp bar far enough to permit the other end to be through into the opposite matching hole in the other clamp bar. Then by arranging the bar in final position and screwing both nuts outwardly to abut against the faces of the two clamp bars, the rails can be held tightly and securely against rattling.

It will, of course, be possible to modify the exact structure as described, while not departing from the novelty inherent in the structure now described. What I claim as novel and wish to secure by Letters Patent is:

1. A cabinet for bathrooms or analogous uses comprising a frame, means providing shelf mounting elements presenting a series of notches lengthwise of the sides of the frame, a series of shelves adapted to abut the frame at their inner

edges when mounted in the notches, and means for clamping shelves when located in the desired notches, comprising clamping bars, means securing said bars at the top and bottom of the cabinet, said securing means being such that they may be released at one end and the bar pivoted or swung about a securing element at the other end, said bars being so located that when secured top and bottom they will clamp tightly against the exposed edges of shelves located in the shelf mounting elements.

2. A cabinet for bathrooms or analogous uses comprising a frame, means providing shelf mounting elements presenting a series of notches lengthwise of the sides of the frame, a series of shelves adapted to abut the frame at their inner edges when mounted in the notches, and means for clamping shelves when located in the desired notches, comprising clamping bars, means securing said bars at the top and bottom of the cabinet, said securing means being such that they may be released at one end and the bar pivoted or swung about a securing element at the other end, said bars being so located that when secured top and bottom they will clamp tightly against the exposed edges of shelves located in the shelf mounting elements, said shelf mounting elements being composed of plates having pairs of up-standing flanges, said flanges being notched similarly thereby providing said notches for mounting the shelves.

3. A cabinet for bathrooms or analogous uses comprising a frame, means providing shelf mounting elements presenting a series of notches lengthwise of the sides of the frame, a series of shelves adapted to abut the frame at their inner edges when mounted in the notches, and means for clamping shelves when located in the desired notches, comprising clamping bars, means securing said bars at the top and bottom of the cabinet, said securing means being such that they may be released at one end and the bar pivoted or swung about a securing element at the other end, said bars being so located that when secured top and bottom they will clamp tightly against the exposed edges of shelves located in the shelf mounting elements, said clamping bars having hollow bodies, and a series of holes lengthwise of said clamping bars for the mounting of guard rails to retain articles on the shelves in their selected positions.

4. A cabinet for bathrooms or analogous uses comprising a frame, means providing shelf mounting elements presenting a series of notches lengthwise of the sides of the frame, a series of shelves adapted to abut the frame at their inner edges when mounted in the notches, and means for clamping shelves when located in the desired notches, comprising clamping bars, means securing said bars at the top and bottom of the cabinet, said securing means being such that they may be released at one end and the bar pivoted or swung about a securing element at the other end, said bars being so located that when secured top and bottom they will clamp tightly against the exposed edges of shelves located in the shelf mounting elements, said shelves having cushion elements located thereon where they abut the clamping bars.

5. A cabinet for bathrooms or analogous uses comprising a frame, means providing shelf mounting elements presenting a series of notches lengthwise of the sides of the frame, a series of

shelves adapted to abut the frame at their inner edges when mounted in the notches, and means for clamping shelves when located in the desired notches, comprising clamping bars, means securing said bars at the top and bottom of the cabinet, said securing means being such that they may be released at one end and the bar pivoted or swung about a securing element at the other end, said bars being so located that when secured top and bottom they will clamp tightly against the exposed edges of shelves located in the shelf mounting elements, said clamping bars being formed with a mounting ear at each end, said ears being pierced with holes for mounting means to engage the sides of the cabinet, thereby securing them in place top and bottom, and removable members for engaging said ears and the cabinet sides at at least one end of each bar.

6. A cabinet for bath rooms or analogous uses, comprising a frame and a back portion, shelf mounting elements lengthwise of the sides of the frame, at least one shelf mounted in at least one pair of said shelf mounting elements and abutting said back portion, and means for holding said shelf in place, comprising at least one bar secured at the top and bottom of the cabinet and clamping said shelf between it and said back portion, said bar securing means being such that they may be released at one end of the bar and the bar pivoted or swung about the securing means at the other end away from said shelf, and thus unclamping said shelf and permitting removal of same from the cabinet.

7. A cabinet for bath rooms or analogous uses, comprising a frame and a back portion, shelf mounting elements presenting a series of notches lengthwise of the sides of the frame, a series of shelves adapted to abut the frame at their inner edges when mounted in the notches, and means for holding said shelves in place when located in the desired notches, comprising bars secured at the top and bottom of the cabinet and abutting the exposed edges of the shelves located in the shelf mounting elements, and clamping them against said back portion, said bar-securing means being such that they may be released at one end of the bar and the bars pivoted or swung about the securing means at the other end of the bars away from said shelves, and thus unclamping said shelves and permitting removal of the same from the cabinet.

8. A cabinet for bath rooms or analogous uses, comprising a frame and a back portion, shelf mounting elements presenting a series of notches lengthwise of the sides of the frame, a series of shelves adapted to abut the frame at their inner edges when mounted in the notches, and means for holding said shelves in place when located in the desired notches, comprising bars secured at the top and bottom of the cabinet and abutting the exposed edges of the shelves located in the shelf mounting elements, and clamping them against said back portion, said bar-securing means being such that they may be released at one end of the bar and the bars pivoted or swung about the securing means at the other end of the bars away from said shelves, and thus unclamping said shelves and permitting removal of the same from the cabinet, and a series of holes lengthwise of said clamping bars for the mounting of guard rails to retain articles on the shelves in their selected positions.

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