June 6, 1950 B. BLUMENSON 2,510,860

MOP SHAKING RECEPTACLE

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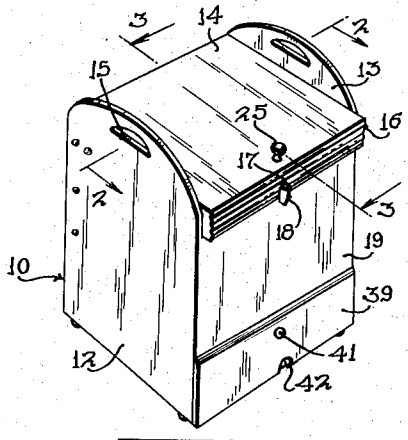


FIG. 1.

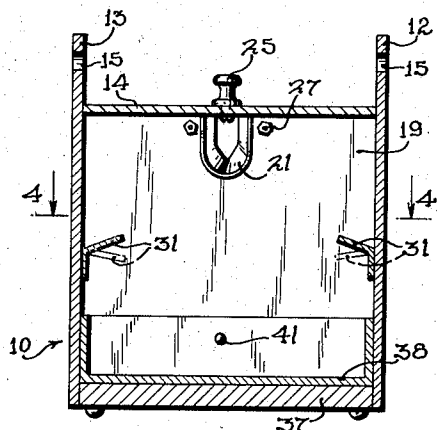


FIG. 2.

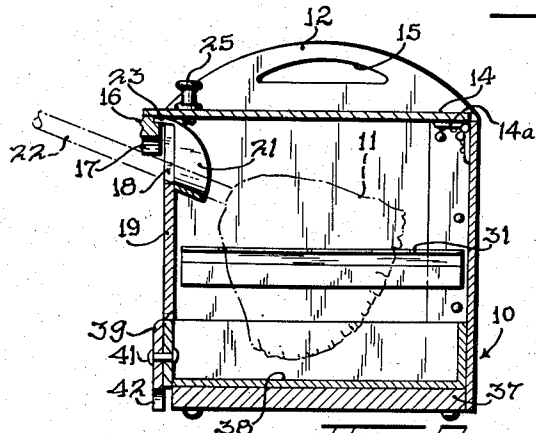


FIG. 3.

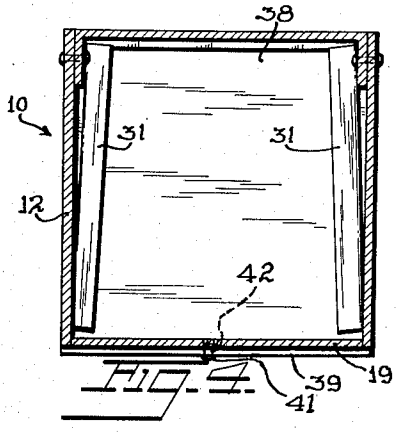


FIG. 4.

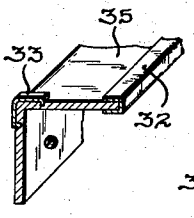


FIG. 5.

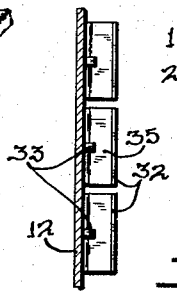


FIG. 6.

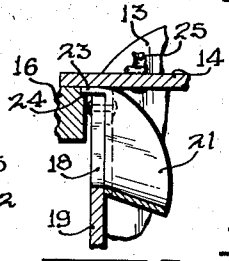


FIG. 8.

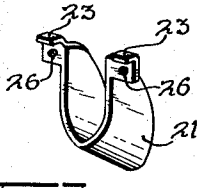


FIG. 7.

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MOP SHAKING RECEPTACLE

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2 Claims. (Cl. 15—104)

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This invention relates to mop shaking receptacles.

It is an object of the present invention to provide a mop shaking receptacle in which a mop can be disposed while being shaken free of its collected dust and other matter received by it when worked over a floor or wall surface.

It is another object of the present invention to provide a mop receptacle device which is provided with means for effecting the easy insertion of the mop within the receptacle, wherein the portion which supports the handle will be adequately reinforced while effecting a shaking operation upon the mop and wherein there is provided in the bottom of the receptacle a tray adapted to collect the dust and which is removable from the receptacle for the disposal of the collected dust.

It is another object of the present invention to provide in a mop receptacle, flexible elements on the opposite sides of the receptacle on which the mop will be engaged as the mop is turned about, so as to provide a beating action upon the mop, and wherein these elements are of such construction that they will withstand a great deal of wear.

According to the invention, there is provided a box like casing with a top cover thereon which is raised to permit the insertion of the mop into the receptacle casing. Within the forward edge of the casing is a slot which is reinforced by a metal piece extending for some distance in rear of the back face of the front wall of the casing, and on which the mop handle portion can be slid and rotated without breaking down the front wall of the casing.

In the bottom of the casing is a drawer in which the dust is collected and which can be withdrawn from the receptacle housing at times when it is desired to remove the dust from the receptacle. On the side walls of the receptacle housing are flexible elements or abutments adapted to be engaged by the mop as the mop is rotated whereby to effect a beating action upon the same. These flexible elements can be a continuous strip which extends across the side of the receptacle, or it can be a plurality of strips, each of which are separately reinforced by a spring connected to the same. Also, upon the edge of these flexible parts, there can be disposed a wear element to increase the life of these members. The sides of the receptacle housing can extend upwardly so as to provide handle portions by which the receptacle can be carried. The receptacle can be made either of wood or paper

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or of other material, and may be made solid enough so as to provide, when the receptacle is not in use, a good and reliable seat.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is a perspective view of the receptacle with the cover down and the drawer in the bottom of the receptacle in its fully closed position.

Fig. 2 is a longitudinal cross sectional view taken on line 2—2 of Fig. 1, looking in the direction of the arrows thereof.

Fig. 3 is a transverse cross -sectional view taken on line 3—3 of Fig. 1, showing in dotted lines the position of the mop within the same at the time that the mop is being shaken, looking in the direction of the arrows thereof.

Fig. 4 is a horizontal cross sectional view taken on line 4—4 of Fig. 2, looking down into the bottom of the receptacle and upon the top faces of the flexible members, looking in the direction of the arrows thereof.

Fig. 5 is an enlarged detail view of one of the flexible elements showing the attachment thereto of a spring to reinforce the same and of a wear edge strip extending throughout the length of the same.

Fig. 6 is a detail plan view of a modified form of a flexible element, wherein a plurality of the same are utilized.

Fig. 7 is a perspective view of the wear member which is fitted in the front wall notch.

Fig. 8 is a fragmentary and cross sectional view taken through the wear member, showing its engagement with the cover front piece.

Referring now to the figures, 10 represents a receptacle adapted to receive a mop 11 for the purpose of being freed of its dust and other collected matter. This receptacle has side walls 12 and 13 each of which extends upwardly above a cover 14 to provide handles 15. The cover 14 has a depending forward edge flange 16 with a notch 17 therein adapted to match with a notch 18 in a front wall 19 of the receptacle. The cover 14 is arranged to be hinged relative to the top edge of the rear wall of the receptacle by one or more hinges 14a, see Fig. 3.

Within the notch 18 on the front wall 19 there is a reinforcing member 21 which extends rear-

wardly from the rear face of the front wall to a considerable distance so as to provide adequate longitudinal support for the handle 22 of the mop 11. The member 21 is U-shaped and extends upwardly to the top edge of the front wall. The member 21 is provided with forwardly extending projections 23 adapted to fit with a slot 24, see particularly Fig. 8, in the depending front flange 16 of the cover 14, when the cover is pivoted to its closed position. The projections 23 of the member 21 will prevent the cover 14 from being raised upwardly as the mop is being shaken within the receptacle. The top cover 14 has a handle knob 25 by which it can be pivoted. The member 21 has wing portions 26 by which the member is attached to the inside front wall 19 as by means of bolts 27. The forwardly extending projections 23 are formed upon these wing portions 26. It will be apparent that this member 21 will provide an adequate wear surface to reinforce the front wall 19 and thereby to prevent the same from breaking away and to keep the notch 18 receiving the mop handle 22 from being worn.

On the inside faces of the side walls 12 and 13 there are disposed flexible elements or abutments 31, adapted to be flexed downwardly and upwardly and to be engaged by the sides of the mop as the mop is rotated within the receptacle. The width of the receptacle is approximately the width of the mop so that these elements 31 will be engaged by the sides of the mop to perform a beating action upon the same as they are flexed in one direction or the other. These flexible elements may be made of rubber or other flexible material adapted to withstand the constant use of the receptacle.

As shown in Fig. 5, the forward edges of the elements 35 may be reinforced as indicated at 32 which comprises a folded strip extending over the outer edges of the element. Also, a metal spring 33 can be disposed at different locations along the length of the element to give added flexibility to the element. The element is of angular cross section and its vertical portion serves for the connection of the same to the inside face of the respective side wall in such manner that its beating or horizontal portion will extend inwardly thereof.

As viewed in Fig. 6, it will be seen that according to a modified form of the invention, a plurality of these elements can be located on the side wall of the receptacle. These individual elements are indicated at 35 and may have springs 33 to reinforce them.

The receptacle has a bottom 37 with a drawer 38 slidable thereover. This drawer 38 is adapted to collect the dust which is shaken from the mop. The drawer may have a front face portion 39 secured to it by a fastening device 41. A notch 42 is provided in the bottom edge of the front face member 39 to permit the insertion of a finger for withdrawing the drawer from the receptacle 10.

It will be apparent that the flexible elements 31 will serve as abutments against which the rotating mop will strike. After the mop has been shaken, the cover will be lifted and the mop withdrawn. With the cover in a down position, the receptacle may serve as a seat for a person or a support for various articles.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

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

1. In a device for shaking mops having an open topped receptacle including a front wall formed at its top edge with a notch through which a mop handle may be slidably and rotatively extended and a pivotal cover closing the open top of the receptacle, a U-shaped reinforcing member mounted on the inside face of the front wall about the notch reinforcing the material of the front wall defining the notch, a flange formed on the front edge of the cover to depend along the outside face of the front wall at the top thereof in the closed position of the cover, said flange being formed on its face adjacent the front wall with a slot, and means on said reinforcing member to snap into said slot when the cover is pivoted to a closed position to retain the cover closed.

2. In a device for shaking mops having an open topped receptacle including a front wall formed at its top edge with a notch through which a mop handle may be slidably and rotatively extended and a pivotal cover closing the open top of the receptacle, a U-shaped reinforcing member mounted on the inside face of the front wall about the notch reinforcing the material of the front wall defining the notch, a flange formed on the front edge of the cover to depend along the outside face of the front wall at the top thereof in the closed position of the cover, said flange being formed on its face adjacent the front wall with a slot, a means on said reinforcing member to snap into said slot when the cover is pivoted to a closed position to retain the cover closed, said means comprising spaced forwardly extending projections formed on said reinforcing member on opposite sides of said notch and projected across the top edge of the front wall and slightly beyond the front face of the front wall to snap into said slot when the cover is closed.

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