March 29, 1932. L. V. ARONSON 1,851,560

RECEPTACLE SUPPORT

Filed Feb. 3, 1930

Fig. 1.

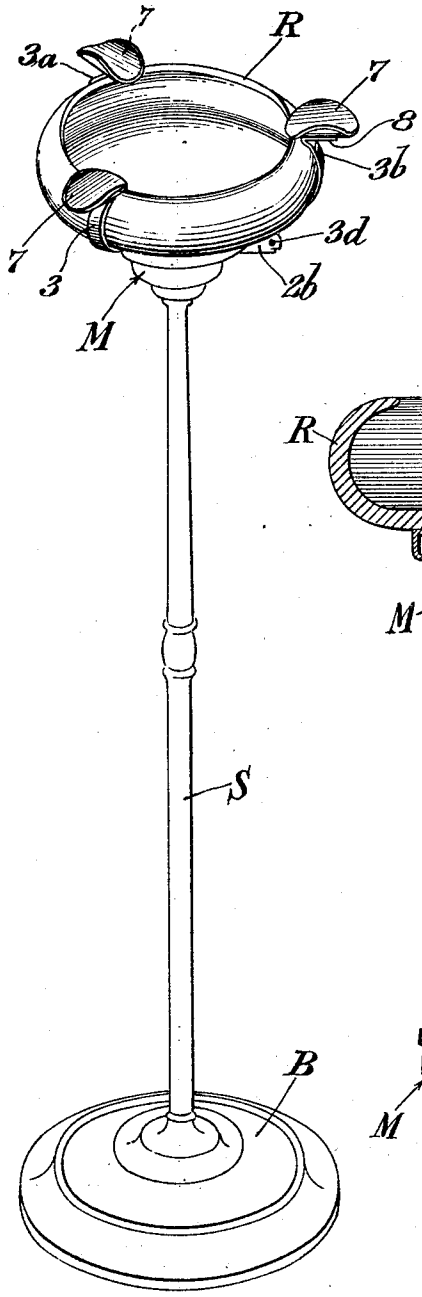


Fig. 4.

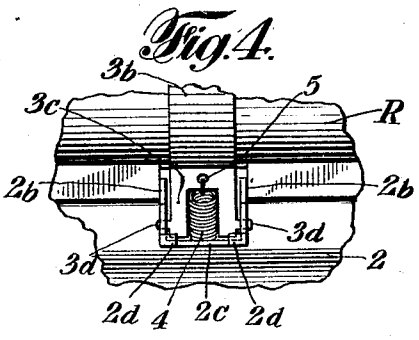


Fig. 2.

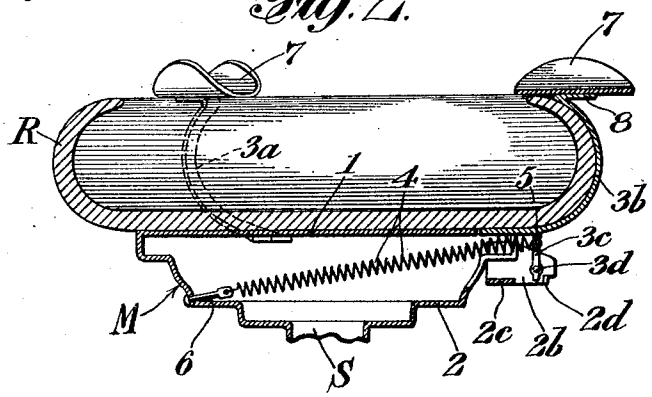
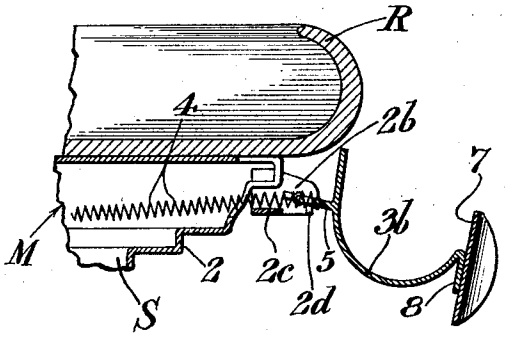


Fig. 3.



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UNITED STATES PATENT OFFICE

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RECEPTACLE SUPPORT

Application filed February 3, 1930. Serial No. 425,397.

My invention relates to a support or holder for any suitable receptacle, container, casing or the like.

My invention relates primarily to a novel and simple arrangement for detachably supporting a receptacle or the like on a support or holder.

Further advantages, characteristics and objects of my invention will become apparent from the following description taken in connection with the accompanying drawings.

My invention resides in the support, holder, detachable arrangement and features of construction of the character hereinafter described and claimed.

For an illustration of one of the many forms of my invention, reference is to be had to the accompanying drawings in which:

Figure 1 is a perspective view of an arrangement constructed in accordance with my invention;

Figure 2 is a vertical sectional view, partly in elevation, of a holder or support constructed in accordance with my invention;

Figure 3 is a vertical sectional view, partly in elevation, corresponding with Figure 2 but showing other positions of some of the parts;

Figure 4 is an enlarged fragmentary plan view of a part of the mechanism shown in Figures 1, 2 and 3.

Referring to the drawings R represents any suitable receptacle, container, casing, or the like supported upon any suitable member M. As herein illustrated, although not necessarily, the member M forms the upper section of any suitable standard S supported on the floor or other suitable surface by a suitable base B.

In the example shown, the receptacle R comprises a relatively flat bottom wall and, therefore, it is desirable that the upper surface of member M have a substantially plane section 1 which may be secured directly to the standard S if desired but, preferably and as shown, said section 1 has side wall structure 2 depending therefrom and merging toward the standard S with which said wall structure 2 may be integrally or separately formed as desired.

Upstanding from the section 1 of member M are a plurality of fingers or sections 3, 3*a* and 3*b*, adapted to detachably retain the receptacle R on said member M. The aforesaid fingers are spaced around the section 1 preferably at equal distances from each other.

As illustrated, the fingers 3 and 3*a* are non-adjustable with respect to the section 1 whereas the finger 3*b* is pivotally or otherwise mounted thereon so as to be movable with respect thereto. The fingers 3 and 3*a* may be formed integrally with the section 1 if desired or they may be separately formed and then secured thereto in suitable manner.

In the example shown, the finger 3*b* is pivoted to the member M, the pivotal arrangement being such as is suitable and desirable. To this end and as illustrated, the side wall structure 2 of member M and the overlying part of section 1 may be cut away as shown in Figures 2, 3 and 4 to define an opening at opposite sides of which the respective walls 2*b* are disposed, the latter preferably being formed integrally with the wall structure 2 and disposed in parallel relation with respect to each other, or substantially so, a strengthening section 2*c* connecting said walls 2*b* if desired. Depending from the finger 3 are the spaced members 3*c* each having a lateral finger 3*d* loosely received in a perforation formed in a wall 2*b*. By virtue of the construction just described, the finger 3*b* is disposed for free pivotal movement on the member M and may be swung to the position shown in Figure 3 when desired.

To the end that the finger 3*b* may be releasably retained in the position shown in Figure 2, one end of a helical spring 4 may be connected thereto, as at 5, said spring 4 extending through the space defined by the side wall structure 2 of member M and being

suitably connected, as by the headed pin 6, to the opposite side of said wall structure 2.

The finger 3*b*, in the form of my invention herein shown, is retained in the position shown in Figure 2 by the spring 4 which holds the same against the receptacle R and, preferably, the construction is such that it will remain, independently of manual control, in the position shown in Figure 3. To this end with one form of mechanism for accomplishing this result, the point 5 is adapted to over-travel a straight line extending from the end of pin 6, to which spring 4 is connected, to the pivotal axis of the members 3*c*. Hence, after the finger 3*b* has been manually swung to effect the above described over-travelling action, the spring 4 becomes effective to swing the finger 3*b* clockwise, Figure 3, rather than counter-clockwise, such clockwise movement being suitably limited, as by the stop lugs 2*d*.

In the form of my invention herein shown, the receptacle R is circular, Figure 2, and the side wall structure thereof presents an exterior curved surface, the fingers 3, 3*a* and 3*b* being curved in correspondence with such curved surface. Accordingly, the fingers 3, 3*a* and 3*b* form a pocket for the receptacle R to retain the same on the member M as illustrated particularly in Figure 1.

To remove said receptacle R from the member M, the finger 3*b* may be swung in a clockwise direction, Figure 2, against the action of spring 4 whereby the aforesaid pocket is opened to permit ready removal of the receptacle R. If the finger 3*b* is swung as far as the position shown in Figure 3, the spring 4, by the above described toggle action, holds said finger 3*b* in that position. This action is advantageous because leaving the parts in such relation that the receptacle R may be readily replaced on the member M without the necessity of first depressing the finger 3*b*.

In accordance with an important application of my invention, the receptacle R is intended to be used as an ash receiver or as a tray receiving the unused parts of cigarettes, cigars, or the like. When the receptacle R is to be thus utilized, it is desirable that one or more of the fingers 3, 3*a* and 3*b* have a member 7 secured thereto, the member or members 7 being of channel-shape configuration and serving as a support upon which a lighted or unlighted cigar or cigarette may be disposed.

If desired, each of the fingers 3, 3*a* and 3*b* may be formed with a flange 8 to which one of the aforesaid members 7 is suitably secured. Further, if desired, each member 7 may project a suitable distance beyond the flange 8 over or beyond the top of the receptacle R.

It becomes apparent, therefore, that my novel arrangement is highly advantageous particularly when the receptacle R is to be used as described above. This follows because the finger 3*b* may readily be depressed and the receptacle R removed therefrom when it is desired to empty the same. Accordingly, it is not necessary to transport the standard S about and invert the same when performing the action just described. Furthermore, said receptacle R, even though readily detachable, is securely and firmly retained at the top of the standard S and may not be disengaged therefrom in an accidental manner.

Although my invention has been particularly described in connection with a smoker's article where the receptacle R functions as an ash receiver, etc., it shall be understood that my invention is not to be so limited. This follows because said receptacle R may be of any suitable configuration and may be adapted to receive any suitable object or objects other than as herein described.

Further, it shall be understood that in lieu of the standard S and base B, the support for the receptacle R may be otherwise as desired.

Although the herein described member M has been shown as having three finger-like members upstanding therefrom, it shall be understood that the number of each fingers may be varied as desired and that they may be symmetrically or otherwise grouped around said member M, or equivalent.

While the invention has been described with respect to a certain particular preferred example which gives satisfactory results, it will be understood by those skilled in the art after understanding the invention, that various changes and modifications may be made without departing from the spirit and scope of the invention and it is intended therefore in the appended claims to cover all such changes and modifications.

What is claimed as new and desired to be secured by Letters Patent is:

1. The combination with a hollow support having a flat upper surface, a plurality of spaced, receptacle-retaining fingers upstanding from said support, one of said fingers being pivoted for movement in substantially a vertical plane, the other of said fingers being non-movable with respect to said support, and a helical spring in said support and extending through an opening in the wall thereof for connection to said last named finger.

2. The combination with a support of a plurality of spaced, receptacle-retaining fingers upstanding from said support, and means for pivoting one of said fingers, said means comprising spaced walls extending from said support, a member depending from said last named finger and having pivotal connection with said walls, a stop surface with which said depending member is coactable, and a spring for holding said last named finger in receptacle-retaining position.

3. The combination with a hollow support,

of a plurality of spaced, receptacle-retaining fingers upstanding from said support, one of said fingers being pivoted for movement in substantially a vertical plane, and a helical spring extending through said support, one end of said spring being connected to said support and the other end thereof being connected to said one finger, said spring controlling said finger by toggle action and being adapted to bias it in each of opposite directions.

In testimony whereof I have signed my name to this specification.

LOUIS V. ARONSON.