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M. B. ACOSTA

2,334,740

ARTICLE HOLDER

Filed March 2, 1942

Fig. 1.

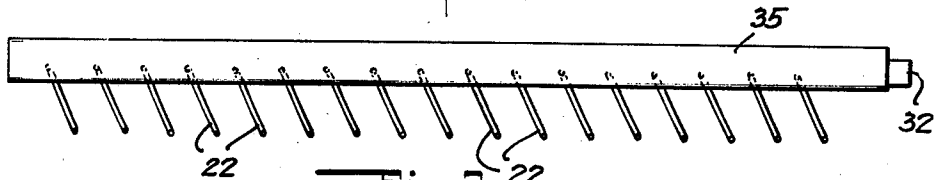


Fig. 2.

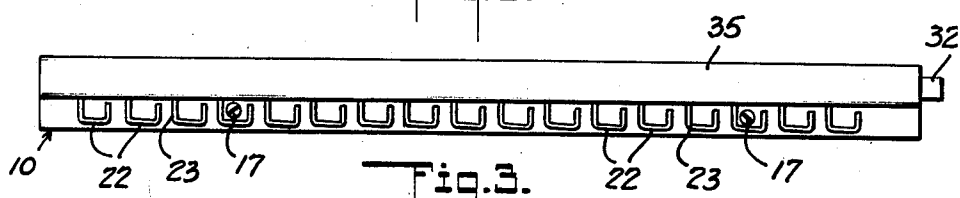


Fig. 3.

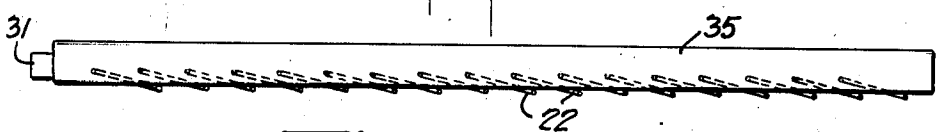


Fig. 4.

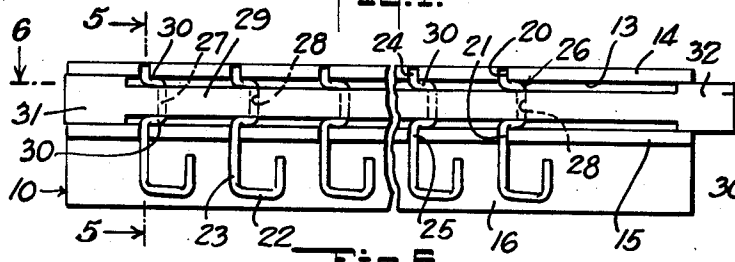


Fig. 5.

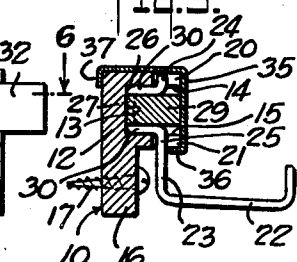


Fig. 6.

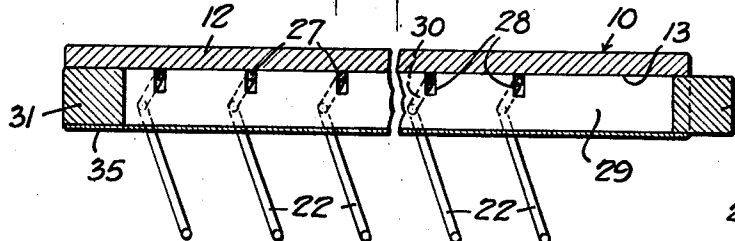


Fig. A.

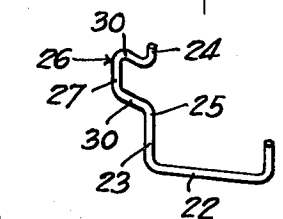
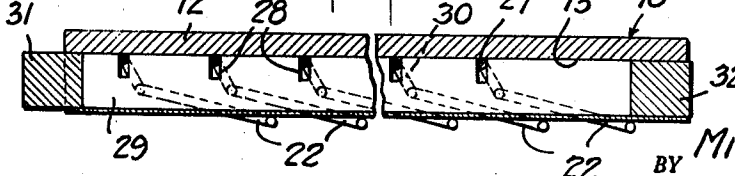


Fig. 7.



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ARTICLE HOLDER

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Application March 2, 1942, Serial No. 433,001

4 Claims. (Cl. 211—87)

This invention relates generally to furniture and more particularly to storage and display racks.

An object of the invention is to provide an article holder particularly adapted, although not necessarily, for supporting neckties, and being structurally characterized by means enabling the neckties to be applied to and removed from the holder with the utmost convenience, and to be securely held in place on the holder against accidental displacement from a position in which the neckties are freely suspended in a neat and orderly arrangement, whereby to tend to remove wrinkles from the neckties and prolong the useful life thereof.

Another object of the invention is to provide an article holder of the above described character composed of a supporting member on which a number of articles holding elements are mounted for movement from article applying to article retaining position by an actuating member reciprocally mounted in the supporting member, the article holding elements and the actuating member being maintained in operative and assembled relation to each other and to the supporting member by means of a cover member eliminating all extraneous fastening means and concealing and protecting the moving parts to an extent precluding damage thereto, as well as contributing to the compact, smooth and attractive appearance of the device.

With these and other objects in view, the invention resides in the combinations and arrangements of elements as set forth in the following specification and particularly pointed out in the appended claims.

In the accompanying drawing,

Figure 1 is a plan view of the article holder with the article holding elements in article applying position;

Figure 2 is a view of the article holder in front elevation;

Figure 3 is a view similar to Figure 1, with the article holding elements in article retaining position;

Figure 4 is an enlarged fragmentary view of the article holder in front elevation, with the cover member thereof removed;

Figure 5 is a transverse sectional view taken on the line 5—5 of Figure 4;

Figure 6 is a longitudinal sectional view taken on the line 6—6 of Figure 4;

Figure 7 is a view similar to Figure 6, with the article holding elements occupying article retaining position;

Figure 8 is a perspective view of one of the article holding elements.

Referring specifically to the drawing, the invention in its illustrated embodiment, is composed of an elongated support **10** in the form of a straight bar of wood or other suitable material, whose body portion **12** is provided with a longitudinally extending channel or guideway **13** between spaced walls **14** and **15** so as to be co-extensive in length with the body portion and open at that side of the latter which becomes the front of the bar when installed. The bar **10** includes an attaching flange **16** projecting from and co-extensive in length with the body portion **12**, the flange having openings therethrough receiving fastening members such as screws **17** for rigidly securing the bar in the preferred horizontal position, to a vertical surface such as the wall or door of a room, closet, or article of furniture.

The walls **14** and **15** of the body portion **12** are provided at equally spaced intervals along their lengths, with transversely extending notches or recesses **20** and **21** respectively, which are arranged in alinement and extend from the free longitudinal edges of the walls into a portion of their widths as clearly shown in Figure 5, for co-action with article holding elements in the form of hooks **22**.

The hooks **22** are mounted in the notches **20** and **21** by means of laterally projecting shanks **23** providing spaced trunnions **24** and **25** connected by cranks **26** and received in the respective notches to rockably mount the hooks for movement from the article receiving position shown in Figures 1 and 6 to the article retaining position shown in Figures 3 and 7.

The cranks **26** have a working fit in the channel **13** so as to confine the shanks **23** against axial displacement. The pins **27** of the cranks **26** work in transverse slots **28** formed in a bar **29** freely received in the channel **13** between the cheeks **30** of the cranks. The ends of the bar **29** are provided with heads **31** and **32** having a close sliding fit in the channel **13**, and alternatively projecting from the ends of the channel according as the bar **29** occupies one extreme position or the other as clearly shown in Figures 1 and 3 respectively. The bar **29** broadly constitutes an actuating member for the hooks **22**; and the heads **31** and **32** constitute finger pieces, one or the other of which is adapted to be pressed to shift the bar to the respective extreme position.

A cover member **35** in the form of a generally L-shaped strip of metal or other suitable material, and co-extensive in length with the support

10, spans the open side of the channel and the outer face of the wall 15. The free longitudinal edges of the cover member are provided with retaining flanges 36 and 37, one of which overlies the outer face of the wall 15, and the other the rear face of the body portion 12 of the support. The cover member, which in the illustrated embodiment, is completely preformed, is applied to the support 10 by being slid over the body portion 12 thereof from one end or the other, and is a sufficiently snug fit on the body portion to be frictionally retained against longitudinal displacement.

The cover member thus co-acts with the actuating bar 29 and with the hooks 22 to maintain them in operative and assembled relation to each other and to the support so that no extraneous fastening means are required, and no tools are necessary to entirely assemble or disassemble the parts of the holder.

It will be noted from Figure 5 that the edge of the retaining flange 36 of the cover member 35 bears against the shanks 23 of the hooks 22, and that due to the flexibility or yielding property of the material from which the cover member is constructed, the cranks 25 of the hooks will be yieldingly maintained in engagement with the bottom of the channel 13. Thus, as the cranks, during movement from one extreme position to the other, must swing from oblique positions at the end of the movement, through an intermediate or dead center position wherein the lengths of the cranks are at a right angle with respect to the plane of the bottom of the channel, the cranks will be cammed or urged by frictional engagement with the channel bottom to that oblique position corresponding to the extreme position of the hooks to which the latter are adjusted, thus yieldingly retaining the hooks in such position.

It will be understood that although the invention has been described as being embodied in a rectilinear rack, it can, with equal efficiency and the aforementioned advantages, be embodied in a curved, semi-circular or fully circular structure for increased capacity and/or to meet the conditions and requirements of different installations and uses. Therefore, the claims are to be interpreted broadly in accordance with the scope of this disclosure.

I claim:

1. An article holder of the class described, comprising: an elongated support having spaced, longitudinally extending walls providing a channel therebetween opening to one side and the ends of the support; article supporting elements having trunnion forming portions journaled in said walls for movement of said elements from one extreme position to another; a manually movable member slidably mounted in the channel and operatively connecting said elements by which the latter will be moved from one extreme position to the other in response to the manual reciprocation of the member; and a cover member carried by the support and closing said open side of the channel, for co-action with said elements and first-named member in maintaining them in assembled and operative relationship on the support, the end portions of said first-named

member being accessible for manipulation of the latter.

2. An article holder of the class described comprising: an elongated support having spaced, longitudinally extending walls providing a channel therebetween opening to one side and the ends of the support; said walls having aligned notches in their free longitudinal edges at intervals along their lengths; article supporting hooks having spaced trunnions and cranks connecting same, with the trunnions received in said notches and the cranks in said channel, to mount said hooks for rocking movement from one extreme position to another; an actuating bar in said channel, having slots with which said cranks co-act to move said hooks as a unit from one extreme position to the other in response to the manual reciprocating movement of said bar; a cover by which said bar and hooks are maintained in assembled and operative relationship on the support, the end portions of said bar being accessible for manipulation of the latter.

3. An article holder of the class described comprising: an elongated support having spaced, longitudinally extending walls providing a channel therebetween opening to one side of the support; said walls having aligned notches in their free longitudinal edges at intervals along their lengths; article supporting hooks having spaced trunnions and cranks connecting same, with the trunnions received in said notches and the cranks in said channel, to mount said hooks for rocking movement from one extreme position to another; an actuating bar in said channel, having slots with which said cranks co-act to move said hooks from one extreme position to the other in response to reciprocating movement of said bar; and a cover member on said support spanning said open side of said channel and maintaining said bar and hooks in assembled and operative relationship on the support; said cover member having yielding engagement with said hooks for wiping engagement of the cranks thereof with the support to frictionally retain the hooks in their aforementioned positions.

4. An article holder of the class described comprising: an elongated support having spaced, longitudinally extending walls providing a channel therebetween opening to one side of the support; said walls having aligned notches in their free longitudinal edges at intervals along their lengths; article supporting hooks having spaced trunnions and cranks connecting same, with the trunnions received in said notches and the cranks in said channel, to mount said hooks for rocking movement from one extreme position to another; an actuating bar in said channel, having slots with which said cranks co-act to move said hooks as a unit from one extreme position to the other in response to reciprocating movement of said bar; and a cover member of L-shaped cross section having retaining flanges along its free longitudinal edges and being slidable longitudinally onto said support from an end thereof, to close said open side of said channel, for co-action with said hooks in retaining them and said bar in assembled and operative relationship on the support.

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