Feb. 18, 1941. G. CACCIVIO 2,231,883

HOLDER FOR ARTICLES

Filed Jan. 21, 1939

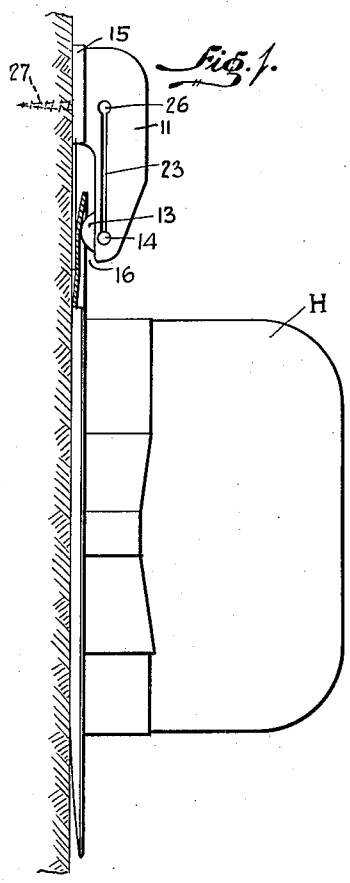


Fig. 1.

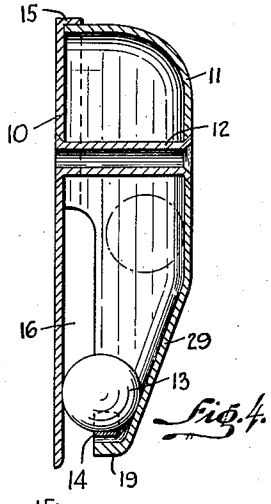


Fig. 4.

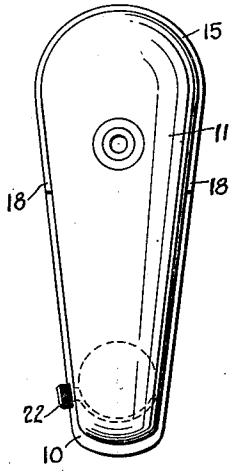


Fig. 3.

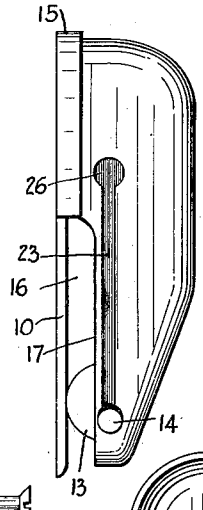


Fig. 2.

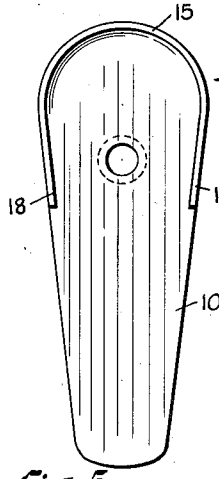


Fig. 5.

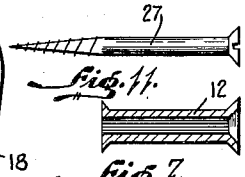


Fig. 11.

Fig. 7.

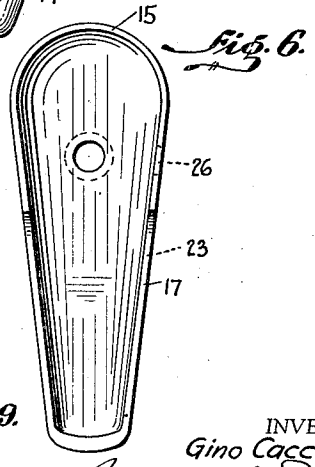


Fig. 6.

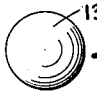


Fig. 8.

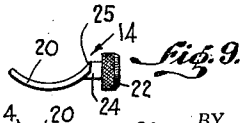


Fig. 9.

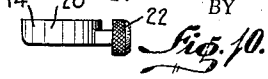


Fig. 10.

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UNITED STATES PATENT OFFICE

2,231,883

HOLDER FOR ARTICLES

Gino Caccivio, New York, N. Y.

Application January 21, 1939, Serial No. 252,195

2 Claims. (Cl. 24—244)

This invention relates to improvements in holders and particularly to the class in which a spherical element cooperates with a housing and base member to hold an article between the spherical element and the base.

Heretofore in such devices no means were provided to permit withdrawal of the article in the event that the latter became jammed between the spherical element and the base of the housing.

It is an object of the present invention to provide means in such a holder device which will release the spherical element from the article it holds, particularly, if the article for some reason or other becomes jammed or caught between the spherical element and the housing.

It is a further object of the present invention to provide an efficient, economical, practical and simple device for holding articles such as, hats, towels, paper and clothing.

It is still a further object of the present invention to provide a holder of the heretofore mentioned class, which may be readily applied in places which are confined in space.

It is still a further object of the present invention to provide the said holder with a housing and base between which the spherical element functions, the base being provided with a horse-shoe shaped flange providing locking means for the tapered housing.

These and further objects and advantages of the invention will best be understood from a consideration of the following description, taken in connection with the accompanying drawing forming part of this specification, with the further understanding that while the drawing shows a practical form of the invention, the latter is not confined to any strict conformity with the drawing, but may be changed and modified, so long as the said changes and modifications come within the scope of the appended claims.

In the drawing:

Fig. 1 is a side view of a holder incorporating the invention showing its application;

Fig. 2 is another side view thereof but seen somewhat larger;

Fig. 3 is a front view thereof;

Fig. 4 is a vertical sectional view of the device incorporating the invention;

Fig. 5 is a front view of the base of the holder;

Fig. 6 is a rear view of the housing;

Fig. 7 is a view of the sleeve securing together the base and housing;

Fig. 8 is a view of the spherical element;

Fig. 9 is a side elevational view of the release lever;

Fig. 10 is a front view of the release lever; and

Fig. 11 shows a means for securing the device to a wall or the like.

Referring to the drawing, the holder generally comprises a base 10, housing 11, both the base and the housing being secured together by means of the sleeve 12, and the spherical element 13 located betwen base 10 and housing 11. There is further provided a release lever 14 for a purpose hereinafter stated.

Base 10 is tapered towards its bottom as clearly seen in Fig. 5. Projecting from base 10 at its upper portion is a substantially horse-shoe shaped flange 15. Housing 11 is also tapered similarly to base 10 and is adapted to fit at its upper portion within the U-shaped flange 15, its lower portion being spaced from base 10 as clearly seen in Figures 1, 2 and 4. The space 16 between base 10 and the edges 17 at the cut-out portion of housing 11 is adapted to accommodate the article to be held or supported as shown in Fig. 1. Base 10 and housing 11 may be made of any suitable material, but it is suggested that these parts be molded from metal or plastic composition.

Because the legs 18 of the flange 15 converging the housing when applied to base 10 will be prevented from moving. Thus this horse-shoe or U-shaped flange acts as a locking means to prevent the lateral or forward shifting of housing 11. The spherical element is placed in the housing before the base 10 and housing 11 are assembled, the housing 11 having an inwardly-turned flange 19 which normally seats the arcuately-shaped shank 20 of the release lever 21, the said shank being interposed between flange 19 and the spherical element 13.

The shank 20 connects with a preferably knurled head 22. Lever 14 is guided for vertical movement within the slot 23. The shank 24 extending through the said slot 23. The shank 24 is narrower than the finger 20, thus providing a shoulder 25 which abuts against the inner wall of housing 11. The lever 14 is inserted in slot 23 through an enlarged opening 26 communicating with slot 23 and the lever is prevented from falling out of the slot by means of the shoulder 25. In securing the base 10 and housing 11 together the sleeve 12 is upset at its ends and made flush with the outer surfaces of the base and housing, the base and housing having countersunk holes to accommodate these upset ends.

It will be seen that but a single securing means such as the screw 27 (Fig. 11) is required to at-

tach the device to a wall or the like, thus enabling the device to be applied within a confined space.

To use the device, all that is required is to insert an end or edge thereof within the space 16. While this is being done, the ball or spherical element 13 will ride up the inclined wall 29 or roof of housing 11, thus providing a space between the ball and base 10 for insertion of the article. When the article is released from the hand supporting it, the weight thereof will cause it to move downwardly and allowing the ball to also move downwardly, until the edge of the article is wedged between the ball 13 and base 10, at which time the article will be supported by the device.

The device may be employed for hanging or supporting such articles as paper, towels, hats, scarfs, and certain articles of wearing apparel.

It will be found however, that although, in some cases the article supported may be released from the device without difficulty, certain other articles cannot thus be released on account of the wedging action or clamping action brought about by the cooperation of the ball 13 and base 11.

For example, if a hat H having a stiff brim such as a derby is supported by the device, difficulty will be experienced in withdrawing the same from the device without injuring the brim. As a safeguard against this injury, the release mechanism comes into play. By raising the lever 14, the ball 13 is also raised and thus released from the contact with the brim of the hat, and the hat may then be released with facility.

From the foregoing it may be seen a desired device has been provided for the purpose intended. It is also evident that changes may be made to accomplish the indicated results all within the spirit and scope of the invention. Hence, the prior art rather than the present specific disclosure should form the basis of interpretation of the invention as claimed.

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

1. In a holder having a base plate, a housing on said base, said housing having a cut-away portion extending to its lower edge providing a space between said base plate and said housing for the reception of part of an article to be supported by said holder, and a spherical element between said base plate and the top of said housing and operable within said space to clamp said article between it and said base plate; the combination of a sleeve securing together said housing and said base plate, said sleeve also for receiving means for attachment of said holder to a support, a wall extending from said base plate, said housing abutting the inner surface of said wall, said wall preventing shifting of said housing.

2. In a holder having a base plate, a housing on said base, said housing having a cut-away portion extending to its lower edge providing a space between said base plate and said housing for the reception of part of an article to be supported by said holder, and a spherical element between said base plate and the top of said housing and operable within said space to clamp said article between it and said base plate; the combination of a sleeve securing together said housing and said base plate, said sleeve also for receiving means for attachment of said holder to a support, said base plate and said housing being tapered, an arcuate wall extending upwardly from said base plate, said housing abutting the inner surface of said wall, said wall preventing shifting of said housing.

GINO CACCIVIO.