April 1, 1924. 1,488,949

J. L. SOMMER

HOLDER FOR BROOMS AND THE LIKE

Filed Oct. 17, 1922

Fig. 1

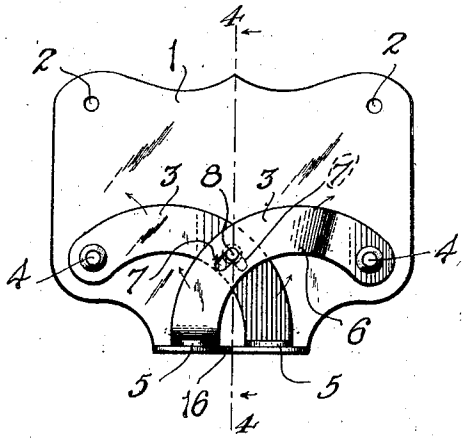


Fig. 2

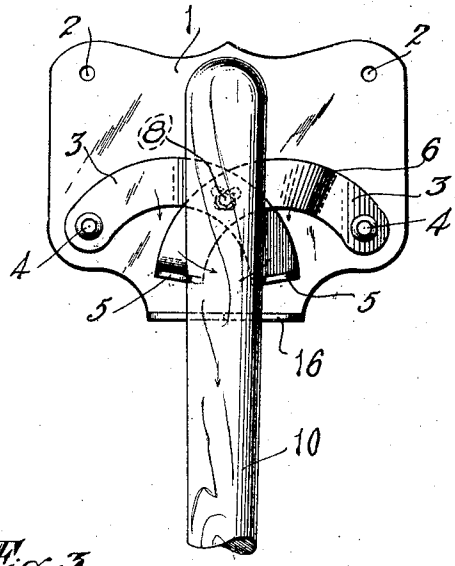


Fig. 4

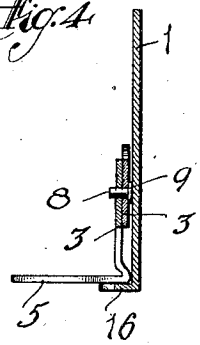


Fig. 3

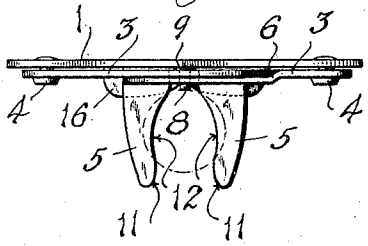
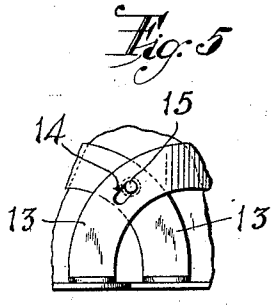


Fig. 5



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UNITED STATES PATENT OFFICE.

JOHN L. SOMMER, OF NEWARK, NEW JERSEY, ASSIGNOR TO J. L. SOMMER MANUFACTURING CO., A CORPORATION OF NEW JERSEY.

HOLDER FOR BROOMS AND THE LIKE.

Application filed October 17, 1922. Serial No. 595,106.

To all whom it may concern:

Be it known that I, JOHN L. SOMMER, a citizen of the United States, and a resident of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Holders for Brooms and the like, of which the following is a specification.

The objects of this invention are to provide an improved device for attachment to a wall or the like for the purpose of releasably supporting a broom or other similarly handled implement or utensil; to secure a simple and effective construction, which can readily be made of sheet metal; to secure a very positive holding action, from which the broom or the like cannot become disengaged, and at the same time to enable the broom or other article to be quickly and easily inserted and removed without touching the holder with the hands and without any particular care or exactness; to secure an automatic action of the gripping members, and to obtain other advantages and results as may be brought out in the following description.

Referring to the accompanying drawings, in which like numerals of reference indicate the same parts throughout the several views,

Figure 1 is a front view of my improved holder in idle position;

Figure 2 is a similar view with a broom in the holder;

Figure 3 is a plan view of the holder in idle position;

Figure 4 is a detailed section on line 4—4 of Fig. 1, and

Figure 5 is a fragmentary view illustrating a modified connection of arms.

In the specific embodiment of the invention shown in said drawnigs, 1 indicates a base of any suitable material adapted to be secured to a wall, as by means of holes 2, 2, said base being shown in the present instance as made of sheet metal. Upon said base 1 arms 3, 3 are pivoted, as upon rivets or studs 4, 4 near the opposite lateral edges of the base and in substantially the same horizontal line, said arms extending toward and crossing each other in a downwardly inclined direction and being provided at their extremities with forwardly projecting jaws 5, 5. One of said arms has an intermediate portion of itself offset from the base 1, as at 6, so as to overlie the other, and where they overlap they have slots 7, 7 in both of which lies a pin 8 loosely retained in place by a flattened head 9 which lies between the base 1 and the next adjacent arm 3. The arms can thus swing up and down to cause the jaws 5, 5 to separate and approach each other, and the distance between said jaws is such as to accommodate or receive the handle 10 of a broom or the like when said jaws are separated and to bite upon the same by attempted closure of the jaws and thus support the broom or other article.

It will be observed that the arms 3, 3 normally lie in closed or engaging relation, as shown in Figure 1, so that if the handle 10 of a broom or the like is forced in between said jaws they will separate to admit it, and then the weight of the broom or other article will cause them to firmly engage the handle, as shown in Figure 2. Preferably the outer ends of the jaws 5, 5 are beveled or flared slightly, as at 11, 11, to more readily receive a handle, and their inner edges may be rounded as at 12 to better fit the handle. Furthermore, if in pressing the handle in between the jaws, it is pressed slightly upward, such movement tends to swing the arms 3, 3 and more readily separate the jaws.

Obviously some of the benefits of my invention might be obtained by slotting one of the arms to receive a pin fast in the other arm, as shown in Figure 5, where 13, 13 indicates such arms one having a slot 14 to receive a pin 15 fast on the other arm, but I prefer to slot both arms, as shown in Figures 1–4. The pin 8 or 15 may be depended upon to prevent the arms from falling too far downward, if it lies sufficiently above a line through the centers of the rivets or studs upon which the arms are pivoted, but in the constructions shown a forwardly projecting ledge 16 is provided at the bottom of the base 1 to serve as a stop limiting downward movement of the jaws 5, 5. Furthermore, I have shown the arms 3, 3 as curved or bent edgewise in an upward direction for greater convenience of action. Other modifications of construction may be made without departing from the spirit and scope of my invention, and I do not wish to be understood as limiting myself except as required by the following

claims when construed in the light of the prior art.

Having thus described the invention, what I claim is:

1. An article holder including a base or support, a pair of crossed arms having opposed jaws at one end to grip an article therebetween, the other ends of said arms being pivotally connected to said base so that said arms bodily swing relatively to each other about their respective pivotal connections to said base, said jaws approaching each other as the arms swing in one direction and separating as said arms swing in the opposite direction.

2. An article holder including a base or support, a pair of crossed arms having opposed jaws at one end to grip an article therebetween, the other ends of said arms being pivotally connected to said base on a horizontal line above said jaws so that said jaws approach each other by action of gravity on said arms, and means for limiting movement of said arms.

3. An article of the character described, comprising a base or support, crossed arms each pivoted at one end to said support on a fixed pivot and having at their other ends jaws, said jaws approaching each other as said crossed arms swing in one direction and separating as said arms swing in the opposite direction.

4. An article of the character described, comprising a base or support, crossed arms each pivoted at one end to said support on a fixed pivot and having at their other ends jaws, said jaws approaching each other as said crossed arms swing in one direction and separating as said arms swing in the opposite direction, and means for limiting said swinging of the arms in both directions.

5. An article of the character described, comprising a base or support, crossed arms pivoted at one end to said support and having jaws which approach each other as said crossed arms swing normally, and a pin projecting from one arm through a slot in the other arm.

6. An article of the character described, comprising a base or support, crossed arms pivoted at one end to said support and having jaws which approach each other as said crossed arms swing normally, said arms being slotted, and a pin extending through said slots.

7. An article of the character described, comprising a base or support, crossed arms pivoted at one end to said support and having jaws which approach each other as said crossed arms swing normally, said arms being slotted, and a pin extending through said slots with its head between the base or support and adjacent arm.

8. An article of the character described, comprising a base or support, crossed arms pivoted at one end to said support and having at their other ends jaws which approach each other as said crossed arms swing, and a stop on said base or support for engaging said jaws to limit such swinging.

JOHN L. SOMMER.