

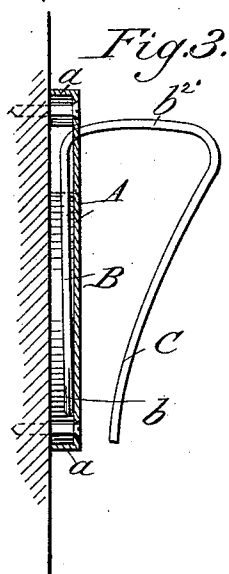
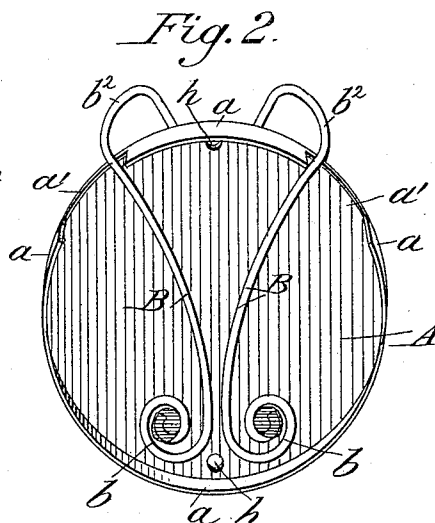
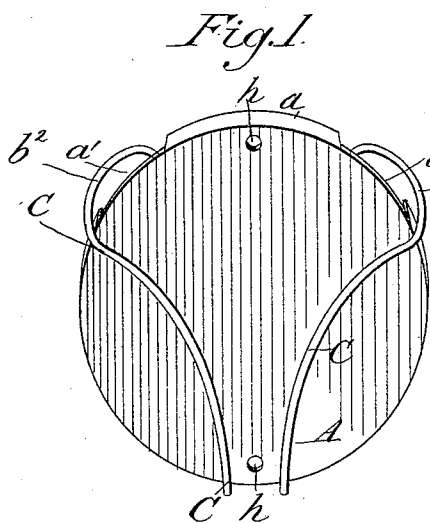
(No Model.)

D. A. SMITH & E. W. HARDING.

HOLDER FOR BROOMS, &c.

No. 470,880.

Patented Mar. 15, 1892.



Attest:

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UNITED STATES PATENT OFFICE.

DANIEL A. SMITH AND EDWARD W. HARDING, OF DORCHESTER, MASSACHUSETTS.

HOLDER FOR BROOMS, &c.

SPECIFICATION forming part of Letters Patent No. 470,880, dated March 15, 1892.

Application filed November 24, 1890. Serial No. 372,436. (No model.)

To all whom it may concern:

Be it known that we, DANIEL A. SMITH and EDWARD W. HARDING, citizens of the United States, residing at Dorchester, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Holders for Brooms, &c.; and we declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in a support for brooms, whisk-brooms, and sponges, and has for its object the construction of such a device as will be simple and durable, which can be manufactured at a slight cost, which can be easily secured in place, and which is efficient in its operation.

The invention further relates to the novel construction, combination, and arrangement of parts, as will be hereinafter fully set forth, pointed out in the appended claims, and illustrated in the accompanying drawings.

In the accompanying drawings, in which similar letters of reference designate corresponding parts, Figure 1 is a front perspective view of a device embodying the invention. Fig. 2 is a rear perspective view. Fig. 3 is a vertical cross-section showing the device attached to a wall.

Referring to the drawings by letter, A designates the plate, B the springs attached to the back of the plate, and C the clips carried by the springs in front of the plate.

The plate A may be stamped out of any suitable material and may be given any desired ornamental shape. In the present instance, however, it is shown as having a circular form. In stamping out the plate its edge is turned so as to form the flange *a*, which will give the plate the appearance of being a shallow cup-shaped vessel. Portions of the flange are cut away, so as to leave the openings *a' a'*, for purposes which will be explained farther on. To the inner side or back of the plate are secured by any suitable means the ends of the springs B B. These springs are

made of wire having sufficient elasticity, preferably brass, and have formed in their lower ends the flat coiled springs *b b*. The upper ends of the springs extend upwardly and outwardly (to a slight degree) and pass through the openings *a'* in the flange, in which they have a limited vertical play. This is our preferred form; but they may pass through any portion of the plate or around the edge of the same, as is consistent in the premises, without departing from the spirit of the invention. At this point the arms or supports begin and form the clip. They are formed by bending the continuation of the wires forming the springs into the loops *b² b²*, from which they are continued downward and end a short distance from the plate and near the bottom of the same. The space between the upper ends of the loops forming the clip or support is quite broad, comparatively, and gradually narrows between the arms toward their ends.

The plate is provided with screw-holes *h h*, so that it may be securely fastened in place, and when it is so fastened the springs will be covered and protected.

In use when the holder has been fastened in place by means of the screw-holes *h h* the whisk-handle, with the brush part uppermost, is pressed between the arms C C and slightly drawn down, so that the said arms will firmly embrace the straws, and the pressure exerted by the springs, which have been forced apart to some extent, will firmly hold the whisk in place. When it is desired to remove the brush, it is drawn downward until it is free of the arms. When it is used to support an ordinary broom, the operation of securing and releasing the same is similar to that used with the whisk-broom.

The device is also well adapted to be used as a sponge-holder, as it will hold a sponge of any size, as the sponge can be readily crowded between the plate and the arm C C and be as easily withdrawn.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. In a broom-support, the combination of the plate, the springs B, provided with the coiled portions *b*, secured to the back of the

plate and extending to the front of the same, and the clips or arms C, made integral with the said springs, substantially as described.

2. In a broom-support, the combination of
5 the plate A, having the flange *a*, provided with the openings *a'*, the springs B, provided with the coiled portions *b*, secured to the back of the said plate and projecting through the openings in the said flange, and the clips or
10 arms C, secured to the said springs, substantially as and for the purpose specified.

In testimony whereof we affix our signatures in the presence of two witnesses.

DANIEL A. SMITH.
EDWARD W. HARDING.

Witnesses for Smith:

CHAS. W. CROSBY,
G. F. ATWOOD.

Witnesses for Harding:

ROBERT VOSE,
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