Nov. 25, 1930. W. F. HACKING 1,783,119

BROOM HOLDER

Filed March 31, 1930

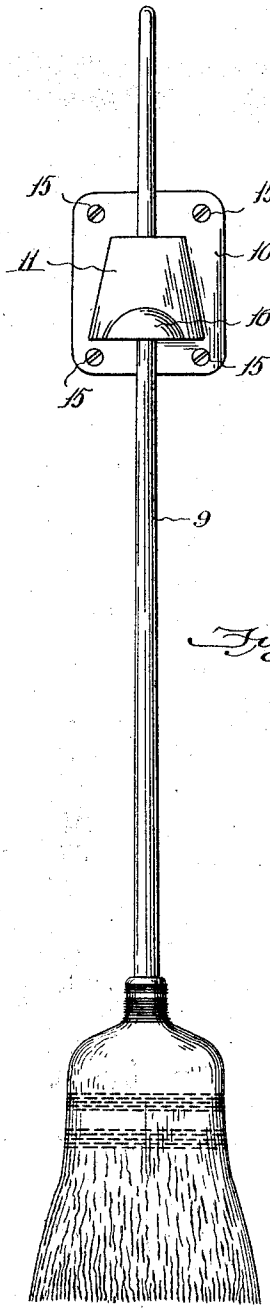


Fig. 1.

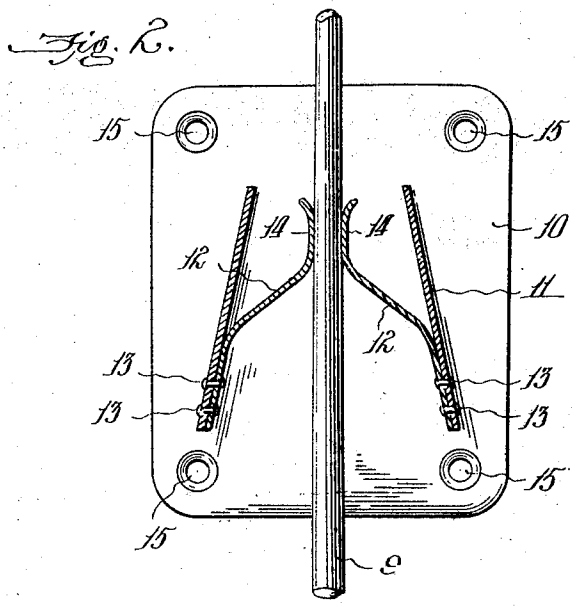


Fig. 2.

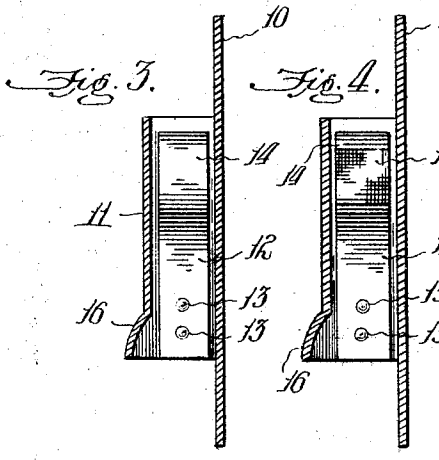


Fig. 3.

Fig. 4.

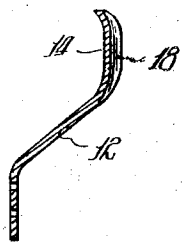


Fig. 5.

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UNITED STATES PATENT OFFICE

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BROOM HOLDER

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My invention is an improvement in supporting devices or fixtures adapted to be attached to a wall for the purpose of supporting brooms and brushes in fixed position thereon.

The primary object of my invention is to provide a support of this general character with which the outer end or upper part of the handle of the broom or similar household article is engaged, whereby the operation of placing such article in engagement with the support and disengaging it therefrom can be easily and quickly accomplished without reversing said article as required with devices adapted to receive the head of the brush or broom.

A further object of my invention is to provide a supporting device for household articles, having a stick or long handle, which is comparatively small in size, can be cheaply manufactured and sold, and when attached to the wall will be unobtrusive and present a neat appearance.

With these principal objects in view my invention consists of a support or fixture having opposing clamping members between which the stick or long handle of the broom is held and from which the broom is suspended, said clamping members being preferably in the form of bowed steel springs enclosed in an open ended casing through which the upper or outer end of the stick is passed; all as hereinafter fully described and more specifically set forth in the appended claims.

In the drawings:—

Figure 1 is an elevation illustrating the application of my invention in supporting a broom.

Fig. 2 is an enlarged detail view of the support, the casing and spring clamping members being shown in section.

Fig. 3 is a vertical sectional view through the center of the support.

Fig. 4 is a similar view, including a slight modification hereinafter referred to, and

Fig. 5 is a detail sectional view showing a modification of the spring clamping members.

Like numerals of reference indicate like parts in the several views of the drawings.

In carrying out my invention the supporting device for the household article, as broom 9, is made up of a wall plate 10 preferably rectangular in shape, to which is soldered or otherwise attached a casing 11 U-shaped in cross section and open at its upper and lower ends, the side walls converging upwardly so that the casing will be of the configuration shown in the drawings, and for the purpose of engaging the stick of the article, as a broom, brush, mop, etc., clamping members 12—12 are secured to the inner side of the side walls of the casing, as by rivets 13—13, and project towards each other to provide opposing jaws 14—14 between which the stick is gripped. The clamping members are spring actuated to press the jaws against opposite sides of the stick, and in the present instance said clamping members are in the form of bowed springs or steel plates with that portion of each jaw which engages the stick straight for a portion of its length, the outer ends of said engaging portions or jaws of the clamping members being turned outwardly so they will not interfere with the withdrawal of the stick, it being noted that the clamping members extend inwardly and upwardly from the sides of the casing or in the direction in which the broom handle is engaged with the fixture. By having the clamping members extend upwardly from the sides of the casing the portions thereof intermediate the attached ends and jaws form guides for directing the end of the stick-handle to the space between the jaws, and it will be understood that the spring clamping members are made of spring steel plates of a gauge to insure sufficient binding pressure for supporting the broom or other article to be supported by the fixture.

The wall plate 10 carrying the casing is provided with holes 15 for the attaching screws, and as the casing into which the end of the stick handle is introduced is somewhat contracted, being only slightly wider than the width of the clamping members which are also only slightly wider than the upper part of the stick handle, the central portion of the lower end of the front of said casing is bulged outwardly, at 16, to increase

the size of the entrance opening. The attaching plate 10 may be provided with two screws only, if desired, in which instance said screw holes would be located at the center of the upper and lower ends of said attaching plate.

Although spring clamping members having jaws with plain engaging faces may serve to support the article suspended from the fixture I may in some instances provide the jaws with engaging faces in the form of suitably attached pieces 17 (Fig. 4) of leather or other material that will present a better gripping surface, or when plain gripping jaws are employed they may be slightly curved transversely as shown at 18 in Fig. 5 to correspond approximately with the curvature of the stick handle so as to increase the area of engagement between the jaws and stick-handle, and of course other modifications may be resorted to within the scope of my invention and claims. It will be further understood that although I have shown and described my improved supporting device or fixture as shaped adapted for the purpose of supporting a broom in suspended position it may be used also for other household articles which are provided with a stick handle, as for instance a brush, mop, etc.

In using my improved form of supporting fixture it is attached to a wall, partition, or other support against which the broom or other household article is to be kept, and in placing the article in engagement with the support it is only necessary to insert the end of the stick-handle into the casing 11 from the lower end thereof so that said handle will be engaged between the jaws 14 of the spring clamping members 12 and suspended therefrom with the straws forming the head of the broom or the bristles of a brush out of contact with the floor, it being well known that when a broom is supported in contact with the floor it tends to break or otherwise injure the straws, and the same is true with respect to the bristles of a brush. It is obvious therefore that the fixture not only provides a means for suspending a broom or brush in a proper manner, but also provides an arrangement by which the stick-handle may be readily engaged and disengaged in suspending the article and removing it, and when the broom is removed it is in position to be used, that is to say, in storing the broom and removing it for use the head is downward or in normal position.

I claim:—

1. A broom holder comprising a wall plate for attaching the device to a wall or other support, a casing attached to said wall plate and open at its upper and lower ends, and opposing spring clamping members mounted within the casing to engage and grip the handle of the broom between them.

2. A broom holder comprising a wall plate for attaching the device to a wall or other support, a casing attached to said wall plate and open at its upper and lower ends, and clamping members in the form of spring steel plates attached at their lower ends to the side walls of the casing and curved inwardly and upwardly therefrom, the upper ends of said spring members providing jaws between which the stick-handle of the broom is engaged and gripped for suspending the broom from the supporting device.

3. A broom holder comprising a wall plate for attaching the device to a wall or other support, a casing attached to said wall plate and open at its upper and lower ends, and clamping members in the form of spring steel plates attached at their lower ends to the side walls of the casing and curved inwardly and upwardly therefrom, said plates terminating in jaws curved transversely towards each other to correspond approximately with the curvature of the stick-handle engaged and gripped thereby.

4. A broom handle comprising a wall plate for attaching the device to a wall or other support, a U-shaped casing attached to said wall plate and bulged outwardly at the lower end of the front thereof to increase the entrance opening into the casing, and spring plates attached to the lower ends of the side walls of the casing from which they extend inwardly and upwardly terminating in clamping jaws between which the stick-handle of the broom is gripped.

WILLIAM F. HACKING.