June 9, 1925. 1,540,803

L. J. POWERS

BROOM HOLDER

Filed June 26, 1924

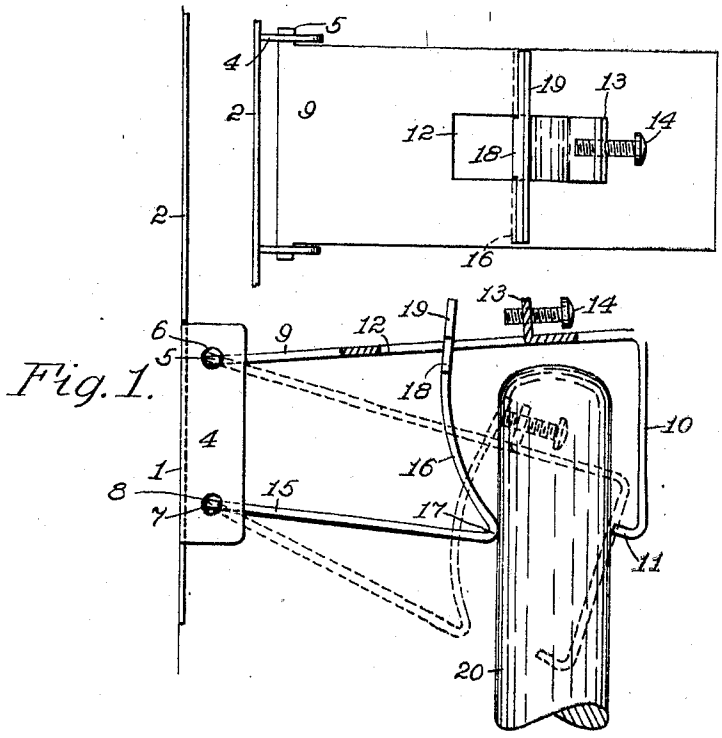


Fig. 1.

Fig. 2.

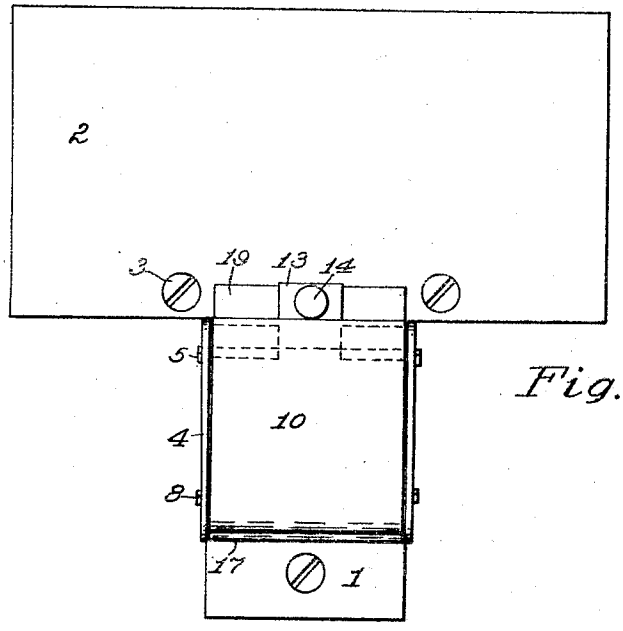


Fig. 3.

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UNITED STATES PATENT OFFICE.

LEONARD J. POWERS, OF WATERLOO, IOWA.

BROOM HOLDER.

Application filed June 26, 1924. Serial No. 722,511.

To all whom it may concern:

Be it known that I, LEONARD J. POWERS, citizen of the United States, residing at Waterloo, in the county of Black Hawk and State of Iowa, have invented certain new and useful Improvements in Broom Holders, of which the following is a specification.

My invention relates to improvements in broom-holders, and the object of my improvement is to supply a receiving, clamping and releasable holding device for a broom-handle suspended therefrom, in which the weight of the broom or other object held is utilized to keep the clamping-members in secure engagement with said handle or object, and to provide means for adjustably spacing the scope of movement of said clamping-members.

Another object is to construct the said members and their supporting means most economically, and to so shape and increase the size of the supporting-plate as to permit it to be used in receiving inscriptions or advertising matter at a location visible above the device.

The objects stated hereinabove have been effected by the means which are hereinafter described and claimed, and which are illustrated in the accompanying drawings, in which Fig. 1 is a side elevation of my improved device, with parts broken away, the full lines of the clamping-members showing the positions thereof when in use holding the upper end of a broom-handle, and the dotted lines showing the same members lowered and ready to receive such a broom-handle. Fig. 2 is a plan view of the device with parts broken away, and Fig. 3 is a front elevation of the same.

The device shown in the above drawings is an improved type of the broom-holder patented to me on March 23, 1909, No. 915,886.

This device has a pair of superposed clamping-members 9 and 15, provided with short integral pintles 5 and 8 respectively mounted to rock up and down in bearing-holes 6 and 7 in outflanged parts or brackets 4, spaced apart, incised and bent out in parallel from a base-plate 1 which is secured by screws 3 to some supporting surface. Above the brackets 4 the back-plate 1 is widened both vertically and horizontally to provide a relatively large flat vertical surface upon which may be displayed inscriptions or advertising matter which will thus be plainly visible to a user of the device. This feature renders the device commercially useful and profitable as an advertising device in addition to its mechanical function, to be sold or to be donated by a merchant to customers.

The back-plate 1 with its outflanged brackets 4 may be die-stamped at small cost of production.

The upper clamping-member 9 is bent downwardly at 10, and this depending part 10 has a terminal hook or clamping end 11 turned toward the plate 1. The body of the member 9 has an elongated rectangular slot 12, and a part of the cut-out metal is bent upwardly at 13, this part 13 having a threaded hole in which is mounted an adjusting-screw 14.

The lower clamping-member 15 is bent upwardly to provide an arcuate terminal part 16 above an abrupt angle of bending at 17, the latter being opposed to the clamping end 11 of the other clamping-member 9—10 and spaced therefrom horizontally and lengthwise of the device. The upper part of the terminal 16 is recessed rectangularly on both sides at 18 to be slidably inserted and movable along the slot 12 with its wider extremity 19 above the member 9, and the recesses 18 are long enough vertically to allow limited relative play to and from each other of the said clamping-members.

An elongated or other object such as the end of a broom-handle 20 may be inserted from below between the clamping-parts 11 and 17 of the clamping-members, so that when the broom is released by the user, its weight in dragging upon the ends or parts 11 and 17 brings them into secure clamping engagement with the handle, so that the broom must be lifted in order to separate the clamping-members and release it. The adjusting-screw 14 is employed to limit the movement of the member 15 so that the interspace of the jaw-parts 11 and 17 may be such as to be most convenient in placing the broom-handle or other object between said jaw-parts, according to the size of the same and to fit different sizes of broom-handles conveniently.

It will be observed that the back-plate 1 with its upper enlarged part 2, and also the parallel bracket-members 4 are shaped from a single integral plate of metal, and the bracket-members 4 are made by simply bending them forwardly at right angles to the

body of the plate, but the integral pintles of the clamping-members 9 and 15 as shown at 5 and 8 are merely cut out integral parts of the clamping-members which are introduced into the apertures 6 and 7 respectively of the bracket-members while the latter members are in divergent positions, to be then bent over more to be parallel.

This construction of these parts, whether of the back-plate or of the said clamping members, renders them of very simple and easily shaped construction in the manufacture, whereby the device can be made more economically. Their assembly is also easy and rapid, as no special bolts or other pintles need be provided.

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

1. A device of the character described, comprising superposed clamping-members pivoted at their adjacent ends to supporting-means, said members being shaped to have horizontally opposed and separable end clamping parts and being slidably connected for limited relative movements, and a stop-device mounted adjustably upon one said member opposed to a part of the other member to adjustably limit the spread apart of their clamping parts.

2. A device of the character described, comprising a vertical flat back-plate having parallel bracket-parts thereon, superposed clamping-members end-pivoted to said bracket-parts and slidably connected together for limited relative movements to and fro, and an adjusting-device mounted movably upon one member opposable to a part of the other member to adjustably limit the horizontal spread of the clamping parts of the members, the said back-plate having at one end of said bracket-parts a relatively enlarged flat part adapted to receive advertising matter visibly unobscured by said clamping-members.

In testimony whereof I affix my signature. Waterloo, Iowa, May 26, 1924.

LEONARD J. POWERS.