

G. H. DOYLE.
MOP HOLDING DEVICE.
APPLICATION FILED AUG. 22, 1910.

997,049.

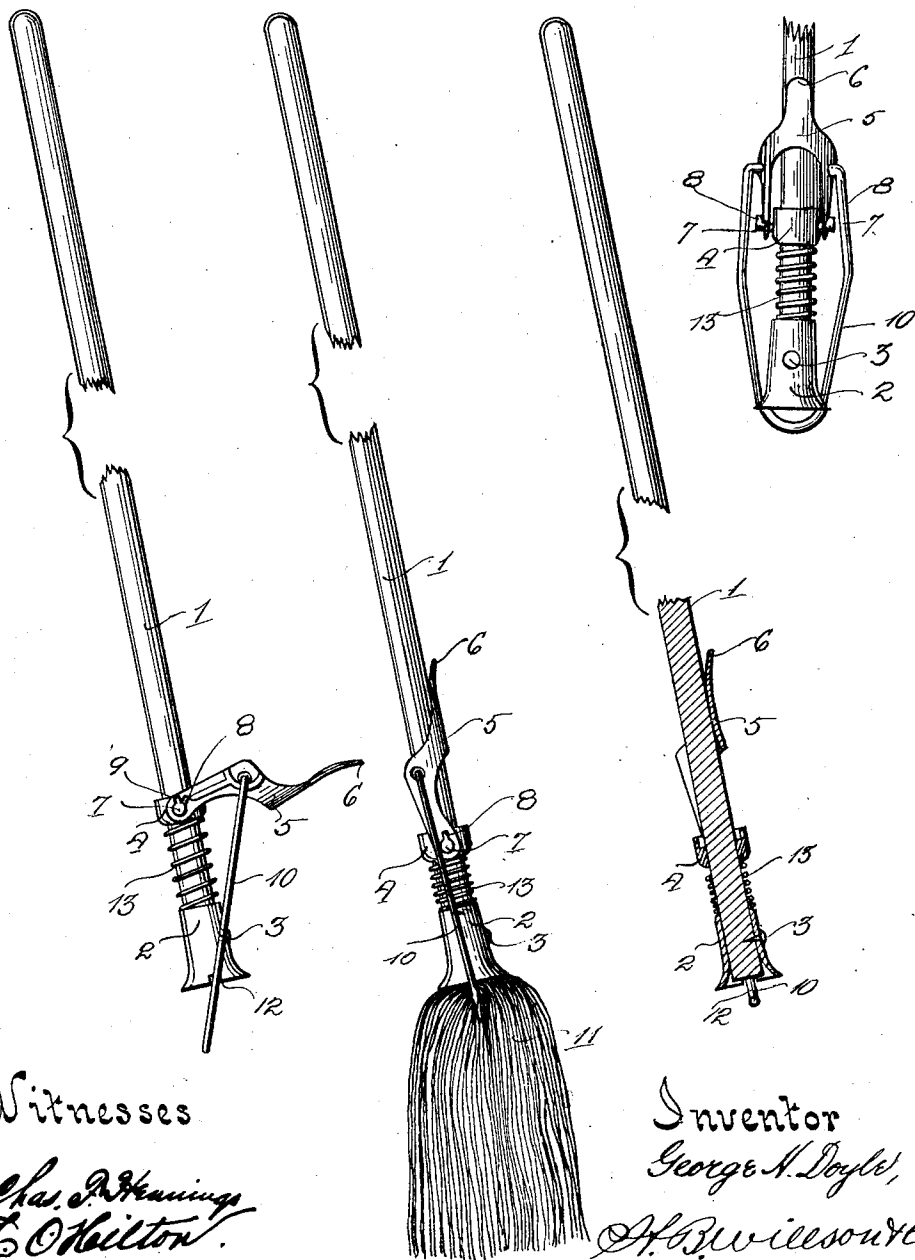
Patented July 4, 1911.

Fig.1.

Fig.2

Fig.3

Fig.4



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE HENRY DOYLE, OF LANCASTER, CALIFORNIA.

MOP-HOLDING DEVICE.

997,049.

Specification of Letters Patent.

Patented July 4, 1911.

Application filed August 22, 1910. Serial No. 578,362.

To all whom it may concern:

Be it known that I, GEORGE H. DOYLE, a citizen of the United States, residing at Lancaster, in the county of Los Angeles and State of California, have invented a certain new and useful Mop-Holding Device, of which the following is a specification.

This invention relates to a device for holding mops and has for its object primarily to prevent the contact of the metal with and scratching of costly hardwood and marble floors.

Another object of this invention is to provide a holding device for the mop by means of which the same may be quickly removed when worn out, and another conveniently and firmly secured in its place.

With these and other objects in view this invention consists of the features, details of construction and combination of parts, described in connection with the accompanying drawing and then more particularly pointed out in the claim.

In the drawing, Figure 1 is a side elevation showing the position of the holding device preparatory to inserting a mop in the stirrup. Fig. 2 is a side elevation showing the position of the holding device after the insertion of the mop. Fig. 3 is a longitudinal sectional elevation, and Fig. 4 is a front elevation of the holding device with the mop removed.

Specifically referring to the drawing, 1 designates a handle provided on the end thereof with a ferrule 2, which extends slightly beyond the end of said handle as seen more clearly in Fig. 3, and which ferrule is secured on the end of the handle 1 by a nail 3, or in any other suitable manner. 4 designates an annulus on which is pivotally mounted a lever 5 which conforms generally to the outline of the handle 1, and the end of which, as seen at 6, is bent slightly outwardly away from the handle to afford purchase for the thumb or other member in removing the said lever from engagement with the handle. The pins 7 secured to the said annulus 4 which form the pivot point for the said lever 5 are provided with extensions 8, which, when alined with the similarly shaped slots 9 in the end of the lever, permit of the dissociation of the said lever therefrom and when said lever is pulled downward to receive the mop from the stirrup the extensions prevent accidental dis-

placement. Between the end 6 of the said lever and the pins 7 is a stirrup 10 which extends below the aforementioned ferrule 2, and which after the mop 11 has been inserted therein is arranged to slide in the grooves 12 provided on opposite sides of the said ferrule, whereby to prevent the accidental dislodgment of the mop. Interposed between the top of the said ferrule 2 and the bottom of said annulus 4 is a helical spring 13 tending normally to exert tension against said annulus 4 and thereby bring the stirrup 10 connected with the lever 5 in proximity to the bottom of the ferrule 2. In the position indicated in Fig. 1 the mop may be inserted in the stirrup. Thereupon the lever 5 is forced upwardly causing the spring 13 to be compressed and to remain in such compressed position until the lever is again actuated to release the stirrup. When the stirrup is pulled upwardly by means of the said lever, it engages the grooves 12 provided in the side of the ferrule 2, whereby the mop is brought to a position approximately central of the said ferrule. The said stirrup 10 when in operative position as shown in Fig. 2 is beyond the point of center of the pivot of the said lever, this provision being made for the purpose of preventing the accidental actuation of the said lever and the consequent disengagement of the mop from the handle. It will be seen that when the lever is actuated and the mop caused to be drawn in position in the end of the ferrule by the stirrup, the strands which comprise the mop are forced into that portion of the ferrule which extends slightly beyond the handle and retained in that position as long as the mop is in use.

What I claim is:—

A mop head comprising a handle, a ferrule fixed on the lower end of the handle and having a hollow flared lower end provided with diametrically opposite notches in its edge, an annulus mounted loosely on the handle above the ferrule, a spring coiled around the handle between and bearing against the ferrule and the annulus, pins projecting radially from the annulus at diametrically opposite points and provided with lateral lugs at their outer ends, a forked lever having its forked ends pivoted on said pins and provided with key hole slots engaging said lugs so that the lever is prevented from being displaced from the

lugs when in one position and readily removed when in alinement with the handle, and a stirrup passing through the notches in the flared edge of the ferrule and having
5 its ends pivotally attached to the lever at an intermediate point of the length of the same.
In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

GEORGE HENRY DOYLE.

Witnesses:

IRA G. GORHAM,

FRANCIS H. ROBINSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
