

(No Model.)

W. H. McCOY.
DOOR CHECK.

No. 493,442.

Patented Mar. 14, 1893.

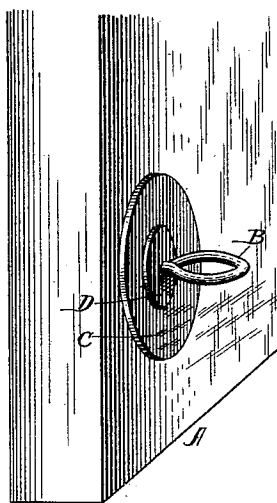
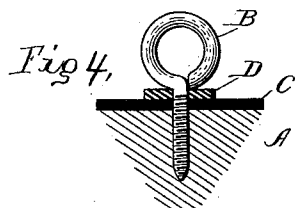
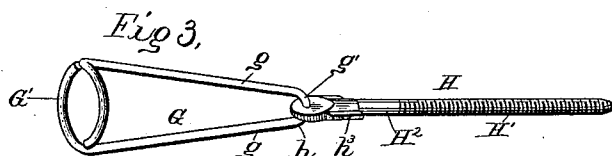
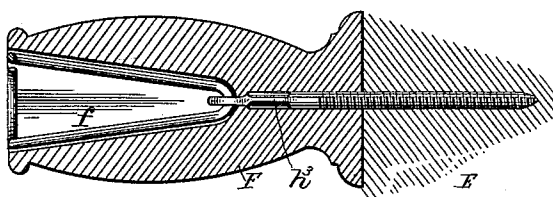


Fig 1



Witnesses

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UNITED STATES PATENT OFFICE.

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DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 493,442, dated March 14, 1893.

Application filed August 27, 1892. Serial No. 444,275. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MCCOY, a citizen of the United States, residing at Muscatine, in the county of Muscatine and State of Iowa, have invented certain new and useful Improvements in Door Checks and Holders; and I do hereby 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.

My invention relates to an improvement in door checks and holders and consists in the construction, combination and arrangement of parts herein after described and definitely pointed out in the claim.

The aim and purpose of this invention is the provision of an improved clamp or holding device for retaining a door blind or the like in an opened position.

The object is attained by the construction illustrated in the accompanying drawings wherein like letters of reference indicate corresponding parts in the several views, and in which—

Figure 1 is a perspective view of one corner of the door, with the button, and a longitudinal section of the check, the holder being shown in elevation. Fig. 2 is an end view of the holder or jaw. Fig. 3 is a perspective view of the same, and Fig. 4 is a detail view of the button showing the washers in section.

In the drawings A represents a door. B a knob or button preferably in the form of a screw-eye, having its shank embedded in the door. The shank of the screw eye is passed through a yielding disk or cushion C, made preferably of rubber, held in place by a metallic washer D, engaging the outer face thereof, and against which the eye of the screw, impinges, thereby firmly holding the cushion in place against the door.

E represents the base-board to which the stop F is secured in alignment with the eye of the screw, and cushion. This stop is of that class wherein spring jaws are employed, which engage the eye, knob or button on the door.

Heretofore in securing the stop to the base-board it has been usually customary to use suitable screws passing the same through the

stops into the base-board, and the jaws are secured directly to the stop and are independent of the securing screw, or screws. This practice and form is objectionable for the reason that the pull on the jaws frequently loosens them from their fastening and thereby destroys their effectiveness.

A further objection to these forms of stops, is in the care and expense incident to these securing or placing the jaws accurately and firmly in place. These defects and objections are entirely overcome by my invention, which in the main consists in attaching the jaws directly to the securing screw.

The jaws G consist of a single piece of spring wire bent with outwardly extending arms *g*, forming a narrow connecting or attaching portion *g'* at the apex. The outer ends of the arms are bent at right angles and curved to form the jaws, G' each of which constitutes a segment of a circle, and with which the knob engages forcing the same apart until the knob has passed through, and the jaws engage the opposite sides holding the same from withdrawal until sufficient pressure is placed on the door to force the jaws apart. The jaw is located in a chamber or cavity *f* in the stop F, which chamber tapers gradually toward the inner end.

At the base or end of the chamber, the apex of the jaw is placed and at this point the jaw is embraced by the head of the securing screw, H, by passing the arms, before the curved jaws are formed or otherwise through a suitable eye *h* in the end of the screw. The screw H, is formed with a long threaded end H' and a shank H² the end of the latter being flattened and perforated to form the eye *h*. On opposite sides of the shank at a point directly below the eye are splines or fins *h*³ which prevent the screw H, from turning in the stop. To insert the screw H, the same is forced longitudinally through the stop, until the splines reach, the base of the chamber. It is then driven in until the eye is at the base of the chamber, and the splines firmly embedded in the stop. The screw is thus prevented from turning independent of the stop and as the screw is forced into the base-board the direct pull is on the same through the screw and jaws.

It is evident that a very strong and simple device is thus produced which can be cheaply manufactured.

5 I am aware that slight alterations in the form and arrangement of the parts of the device can be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

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

The combination with a knob, of a door check consisting of a chambered stop, two

spring wire jaws located within the chamber 15 formed of a single piece of wire tapered and united at their inner ends, and an attaching screw passing through the check and into a suitable support, the inner end thereof having an eye through which the wire of the 20 jaws are passed, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM H. MCCOY.

Witnesses:

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PHILIP J. MACKEY.