

(No Model.)

C. J. KIERAN.
DOOR CHECK.

No. 437,847.

Patented Oct. 7, 1890.

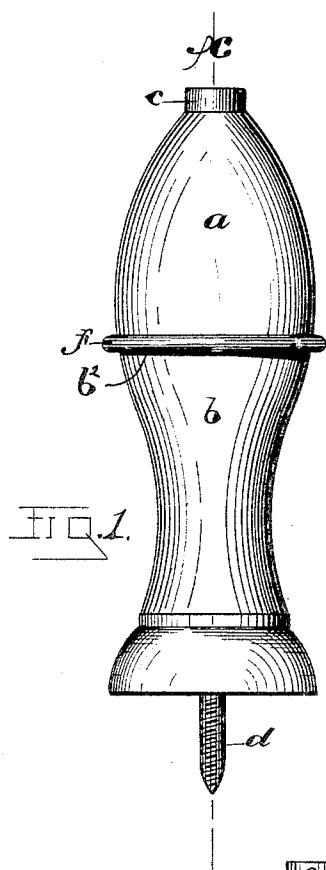


FIG. 1.

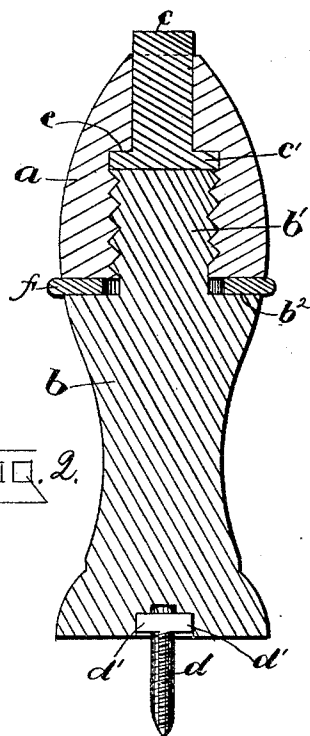


FIG. 2.

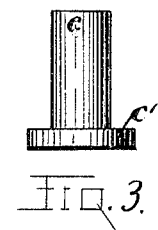


FIG. 3.

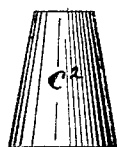


FIG. 4.

WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES J. KIERAN, OF NEWARK, NEW JERSEY.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 437,847, dated October 7, 1890.

Application filed April 29, 1890. Serial No. 349,989. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. KIERAN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Door-Stops; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a cushioned door-stop, which shall be cheap, simple in construction and operation, easily applied, and durable.

The invention consists in the improved door-stop and in the arrangement and combination of the several parts thereof, as hereinafter set forth, and finally pointed out in the claims.

Referring to the accompanying drawings, Figure 1 represents, in elevation, my improved door-stop; and Fig. 2 represents a central vertical section, through line *x*, of the same. Fig. 3 is a detail of the cushion, and Fig. 4 a modification thereof.

Similar letters of reference indicate corresponding parts where they occur.

In said drawings, *a* indicates the outer portion of the stop; *b*, the inner portion; *c*, the cushion, and *d* the screw by which the stop is fastened in position. Said outer portion *a* is provided with a screw-threaded socket and with an aperture of smaller diameter than said socket, which extends from the bottom of the latter through to the outside of said portion *a*, thereby forming an annular shoulder *e*, as shown. Said cushion *c* is provided with a flange *c'*, the smaller portion of the cushion corresponding in size with the smaller aperture, above referred to, and the flange with the larger, or nearly so, and is inserted in said apertures, the smaller end projecting about three-eighths of an inch outside of the part *a* and the flange abutting against the shoulder *e*, as shown.

The inner portion *b* of the stop is provided with a screw-threaded extension *b'*, smaller in diameter than the body portion and corresponding in size with the larger aperture in

the portion *a* and adapted to be screwed therein, so that the flattened end of said extension engages with the flanged end of the cushion and presses it firmly against the said shoulder *e* and at the same time brings the outer portion *a* firmly against the shoulder *b'* of the part *b*, making a tight joint therewith.

Should it be found necessary at any time to increase the length of the stop, as is sometimes the case, I accomplish the same by means of a collar *f*, to be adjusted upon the threaded extension *b'*, when required. Said collars may be attached or removed at pleasure, and when used form an ornamental head or a groove, as may be preferred, around the stop. When such collar is used, a tablet or disk may, if required, be employed to fill the space, should there be any, between the end of the extension *b'* and the end of the flange of the cushion, as will be understood, or the end of the extension, if it be too long, may be cut off.

As a means for securing the stop in position for use, I employ a headless screw *d*, and by flattening a portion of the shank thereof form a feather *d'* thereon, preferably leaving the end of the shank for an eighth or a sixteenth of an inch round, thereby forming slight shoulders, and then drive the shank of the screw into the end of the stop, as shown. Thus the feather effectually prevents the screw from turning in its socket, and the said shoulders, which naturally embed themselves into the fiber of the wood, prevent it from being drawn out, as will be obvious.

The modification shown in Fig. 4 represents a tapered cushion *c'*, which may, if preferred, be substituted for the shouldered cushion *c*, in which case the aperture through the outer end of the part *a* must be tapered accordingly, and so as to permit the smaller end of said cushion *c'* to project a suitable distance outside of the end of said part *a*, as will be understood.

Having thus described my invention, what I claim as new, and desire to have secured by Letters Patent of the United States, is—

1. The improved door-stop herein shown and described, consisting of the portion *a*, having a screw-threaded aperture or socket therein, and a smaller aperture extending from the base of said socket to the outer end of

said portion *a*, a rubber cushion inserted through said apertures, as shown, the portion *b*, having a screw-threaded extension *b'*, whereby the same may be firmly joined to and
5 the said cushion be firmly held in position in the portion *a*, and means for securing the stop in position for use, as described, for the purposes set forth.

2. The improved door-stop herein shown
10 and described, consisting of the part *a*, having a screw-threaded socket therein and a smaller aperture extending therethrough from the base of said socket, a cushion in-

serted through said aperture, the part *b*, having a screw-threaded extension *b'*, a collar *f*,
15 and a screw *d*, the said parts being combined and arranged in relation to one another, as described, for the purposes set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of
20 April, 1890.

CHARLES J. KIERAN.

Witnesses:

OLIVER DRAKE,
OSCAR A. MICHEL.