(No Model.)

E. CHAPMAN.

DOOR CHECK.

No. 442,953. Patented Dec. 16, 1890.

Fig. 1

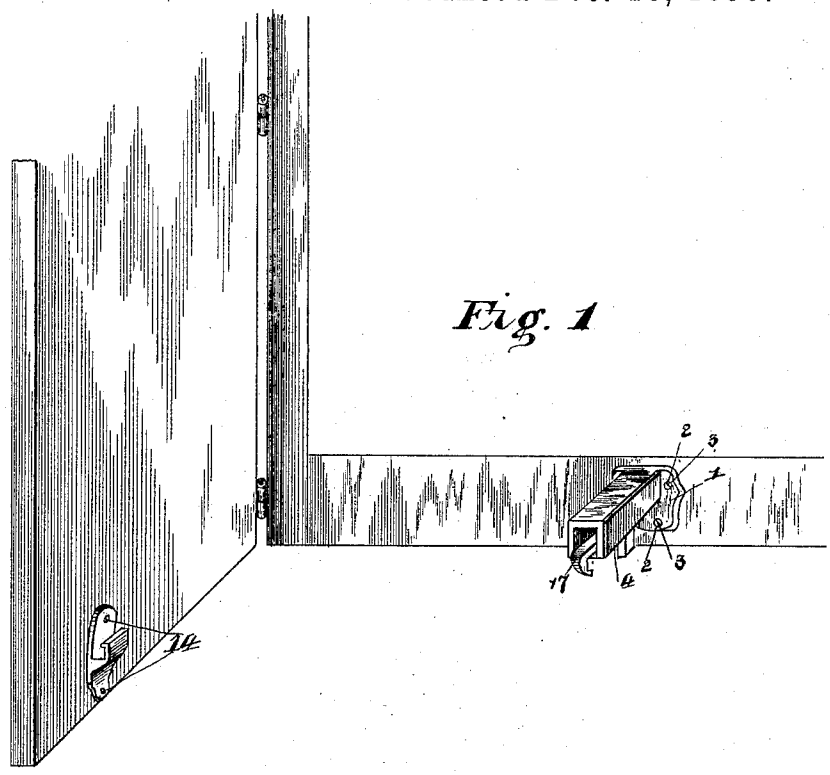


Fig. 2.

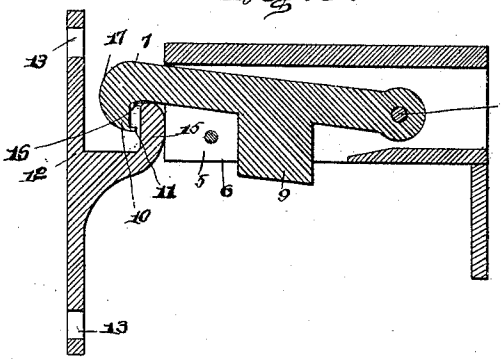
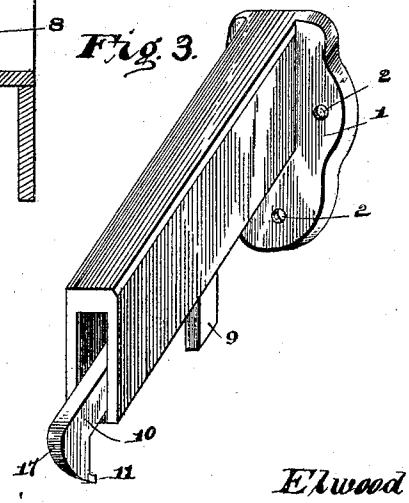


Fig. 3.



Witnesses
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ELWOOD CHAPMAN, OF CONSTANT, KANSAS.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 442,953, dated December 16, 1890.

Application filed September 26, 1890. Serial No. 366,283. (No model.)

To all whom it may concern:

Be it known that I, ELWOOD CHAPMAN, a citizen of the United States, residing at Constant, in the county of Cowley and State of Kansas, have invented a new and useful Door-Check, of which the following is a specification.

This invention has relation to improvements in door-stops; and the objects in view are to provide an extremely cheap and simple stop adapted to automatically check and hold a door in an open position and against accidental slamming, said stop to be so constructed as to be readily disconnected and liberate the door by an application of the toe of the boot of the operator.

With the above and other objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a general view of my invention applied to a door and mop-board. Fig. 2 is an enlarged detail in longitudinal vertical section, the stop being in a locked position. Fig. 3 is a detail in perspective of the housing.

Like numerals indicate like parts in all the figures of the drawings.

The stop, as is usual, comprises two members, one being designed for application to the door and the other to the mop-board or other convenient point opposite that point of the door at which the companion member is located. The member located upon the mop-board consists of a base-plate 1, having screw-openings 2, through which are passed screws 3 into said mop-board. Formed integral with the plate 1 is an oblong housing 4, made hollow and having the front portion of its lower wall and the lower portion of its front wall provided with a slot or opening 5, the lower slot being crossed by a transverse bar 6.

7 designates a latch pivoted in the rear end of the housing by a bearing-pin 8, said latch beeing free for vertical vibrations within the housing and normally resting near its front end upon the stop-pin 6. Between its pivot and the pin 6 the latch is provided with a depending lug 9, the lower end of which is below the housing, as shown. The free end of the latch is provided with a depending head 10, the inner or rear edge of which is provided with a transverse rib 11. The opposite member, or that secured to the door, consists of a base-plate 12, having perforations 13 for the reception of screws 14, which latter pass into the door, and said plate has formed integral therewith a laterally-disposed L-shaped lug 15, the upper inner edge of which is provided with the rib 16, similar to the rib 11 of the latch 7.

In operation the door is swung toward the mop-board until the upper edge of the L-shaped lug 15 abuts against the beveled face 17 of the head 10 of the latch 7, which causes said latch 7 to rise and drop over the said L-shaped lug, whereby the door is locked in the open position and cannot be influenced to be accidentally closed by the wind or other ordinary causes. To release the door in order to close it, it is necessary to press the same slightly to the rear or toward the mop-board in order that the ribs 11 and 16 will be thrown out of alignment and their interlocked position, when by applying the toe of the boot to the lug 9 said latch may be elevated and the L-shaped lug liberated, whereupon the door may be closed. It is apparent that accidental knocks given the latch or attempts of small children to disconnect the door will not accomplish the same, for the reason that, as before stated, in order to accomplish such disconnection the door must first be pressed toward the mop-board, and thus disconnect the interlocking ribs 11 and 16, or rather throw them out of alignment.

Having described my invention, what I claim is—

In a door-stop, the opposite members adapted to be applied to the door and mop-board, one member consisting of a base-plate perforated for the reception of screws and having an integral laterally-disposed housing slotted upon its under side and at its end, a latch pivoted at its rear end in the housing and having its front end projecting through the slot in the front end of the housing and provided with a depending head, the rear

face of which at its lower end is provided with a transverse locking-rib, said latch having between its head and pivot a depending lug extending through a slot in the housing and below the same, and the other member consisting of a base-plate perforated to receive screws and adapted to be applied to a door, and an L-shaped lug extending horizontally from the base-plate and upon its upper rear face provided with a tranverse locking-rib adapted to interlock with the locking-rib of the latch, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ELWOOD CHAPMAN.

Witnesses:
C. R. SIPES,
S. J. GILBERT.