

(No Model.)

O. T. BAKER.

DOOR CHECK.

No. 398,763.

Patented Feb. 26, 1889.

Fig. 1.

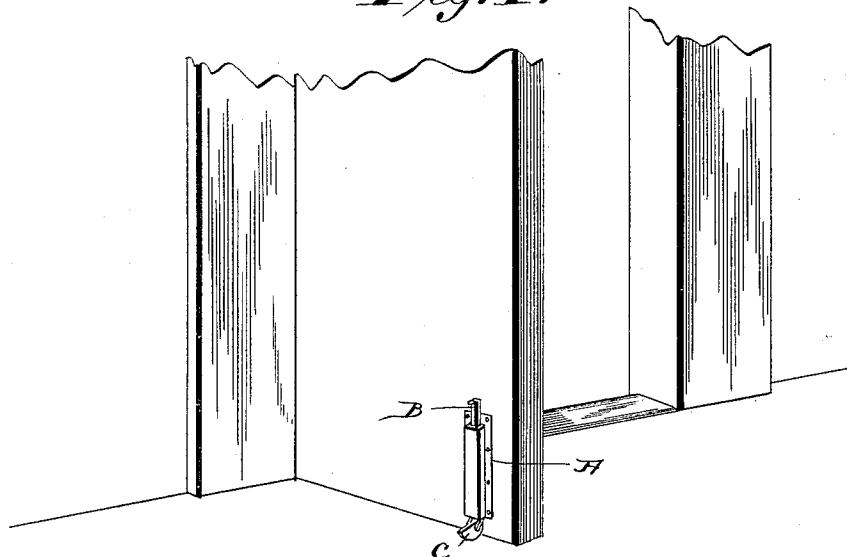


Fig. 2.

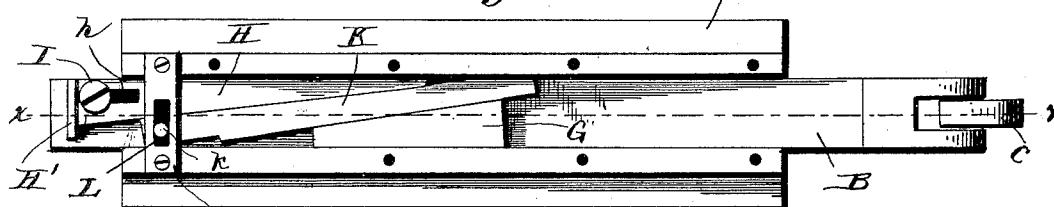


Fig. 3.

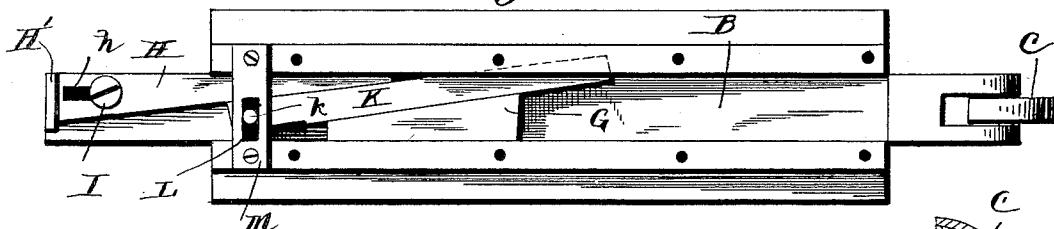
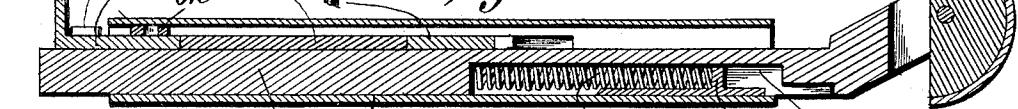


Fig. 4.



Witnesses

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OWEN T. BAKER, OF FORT WORTH, TEXAS.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 398,763, dated February 26, 1889.

Application filed August 10, 1888. Serial No. 282,426. (No model.)

To all whom it may concern:

Be it known that I, OWEN T. BAKER, a citizen of the United States, residing at Fort Worth, in the county of Tarrant and State of Texas, have invented new and useful Improvements in Door and Window Stops, of which the following is a specification.

The object of my invention is to provide a cheap, effective, and easily-operated door-stop in which the parts are so constructed and arranged as to be unlikely to need repair.

The invention consists in a certain novel construction and combination of devices fully set forth hereinafter in connection with the accompanying drawings, and specifically pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of a door-stop embodying my improvements applied in the operative position to a door. Fig. 2 is a front view of the same with the outer or face plate removed to show the operating mechanism. Fig. 3 is a similar view with the bolt raised. Fig. 4 is a vertical central sectional view of the stop on the line *x* *x* of Fig. 2.

Referring by letter to the drawings, A designates the casing of the door-stop, which is secured to the door by means of screws or similar means, and in this casing is arranged the vertically-movable bolt B, in the bifurcated lower end of which is mounted the eccentric half or whole roller or rocker C, with a rubber band, the loop of which is designed to bear on the floor when the door is to be stopped. The rear side of the casing is provided with a stud or projection, D, which extends forwardly into a groove, E, in the rear side of the bolt, and in this groove is arranged a spiral spring, F, which bears at its lower end on the said stud or projection and at its upper end against the upper end of the groove, whereby the bolt is normally held raised, as shown in Fig. 3 of the drawings.

A wedge-plate, G, is affixed to the front side of the bolt within the casing, (the outer edge of the said plate being flush with the side of the casing and the inner side being inclined,) and H represents a catch or slide which is mounted on the bolt and extends at its upper end to the upper end of the same. The catch or slide is provided near its upper end with a

vertical slot, h, which slides on a screw or stud, I, on the bolt, and the upper extremity of the catch or slide is provided with a toe-hold, H', whereby the latter may be manipulated. The outer edge of this catch or slide bears against the opposite side of the casing from the wedge-plate G, and it is tapered toward its lower end, so that its inner edge is parallel with the inner or adjacent edge of 60 the wedge-plate.

K represents an adjustable bar which is arranged between the adjacent parallel edges of the wedge-plate and the catch or slide, and the upper end of this bar is provided with a 65 pin, k, which slides in a transverse guide-slot, L, in a suitable plate, M. It will be seen that this bar is thus prevented from moving vertically, but is allowed free lateral movement.

When the catch or slide is raised, as shown 70 in Fig. 3, with the stud or screw I in the lower end of the slot h, the distance between the parallel edges of the wedge-plate and catch or slide is sufficient, when the bolt is pressed down, to allow the adjustable bar to move 75 laterally toward the wedge-plate to permit the catch or slide to pass up; but when the downward pressure on the bolt is removed and the bolt is allowed to move upward slightly by the force of the spring F the wedge-plate will 80 also move upward, whereas the catch or slide will remain stationary, and therefore, the distance between the adjacent sides of the wedge-plate and the catch or slide being reduced, the adjustable bar will be clamped tightly 85 therebetween and the bolt will be locked in position. It requires only a very slight vertical movement of the bolt to effect this lock, as will be evident; but if it is desired to lock the bolt immediately it is only necessary to 90 press the catch or slide down while the bolt is held in the desired place without permitting the latter to return.

In order to insure a more immediate locking of the bolt on its being pressed down to 95 the floor, the adjustable bar is preferably tapered slightly toward its lower end, as shown in the drawings.

The operation of this device will now be readily understood. To lock the door in a desired position, press downward with the foot 100 on the upper end of the bolt, and to release

the door raise the catch or slide by pressing the toe-hold upward.

The rubber band on the eccentric roller enables the device to obtain a firm hold on the floor. This device may with equal effectiveness be used in connection with windows, as will be readily seen.

Having thus described the invention, I claim—

10. 1. In a door-stop, the combination, with a sliding bolt provided with a wedge-plate, of the longitudinally-movable catch or slide mounted on the bolt and the laterally-movable bar located between the adjacent sides of the wedge-plate and catch or slide, substantially as specified.
15. 2. In a door-stop, the combination, with the sliding bolt provided with a wedge-plate, G, of the longitudinally-movable catch or slide having one of its edges adjacent to and parallel with the wedge-plate and the adjustable bar located between the adjacent edges of the wedge-plate and catch or slide and provided with a pin sliding in a suitable guide-slot, substantially as specified.
20. 3. In a door-stop, the combination, with a

sliding bolt provided with a wedge-plate, G, of the catch or slide H, mounted on the bolt and capable of a limited longitudinal movement, and the adjustable bar K, arranged between the adjacent edges of the wedge-plate and the catch or slide and tapered toward its lower end to fit the edges of the wedge-plate and catch or slide, the said adjustable bar being provided with a stud which operates in a suitable transverse guide-slot, whereby the bar is held from longitudinal movement, substantially as specified.

4. In a door-stop, the combination, with the spring-actuated sliding bolt provided with a wedge-plate, G, of the tapered catch or slide H, provided with a toe-hold, H', and the adjustable bar K, arranged between the wedge-plate and the catch or slide, substantially as specified.

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

OWEN T. BAKER.

Witnesses:

C. C. WOOD,

L. HIGBY.