(No Model.)

W. W. ATTEBERRY.

DOOR CHECK.

No. 415,355. Patented Nov. 19, 1889.

Fig. 1.

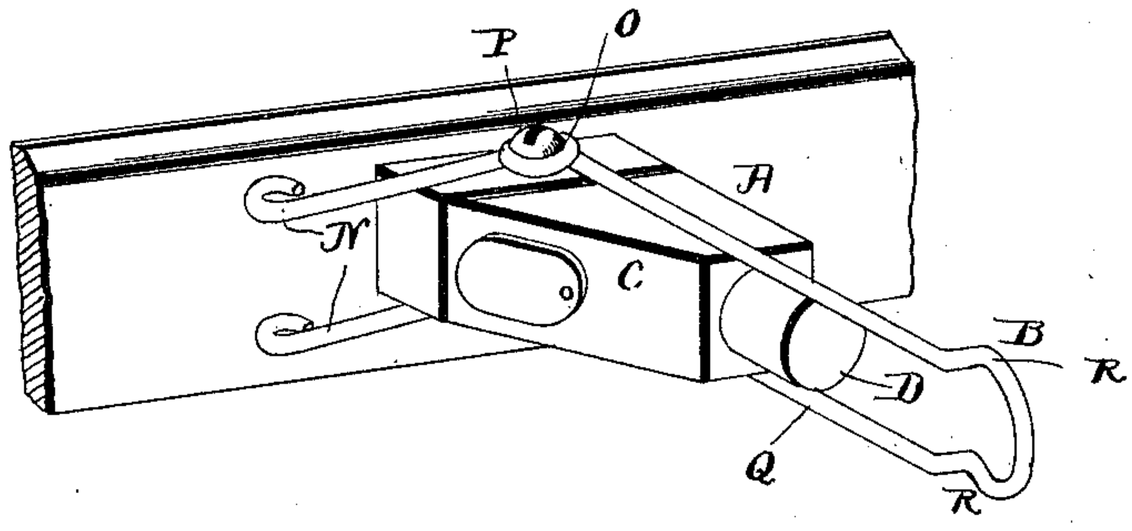


Fig 2.

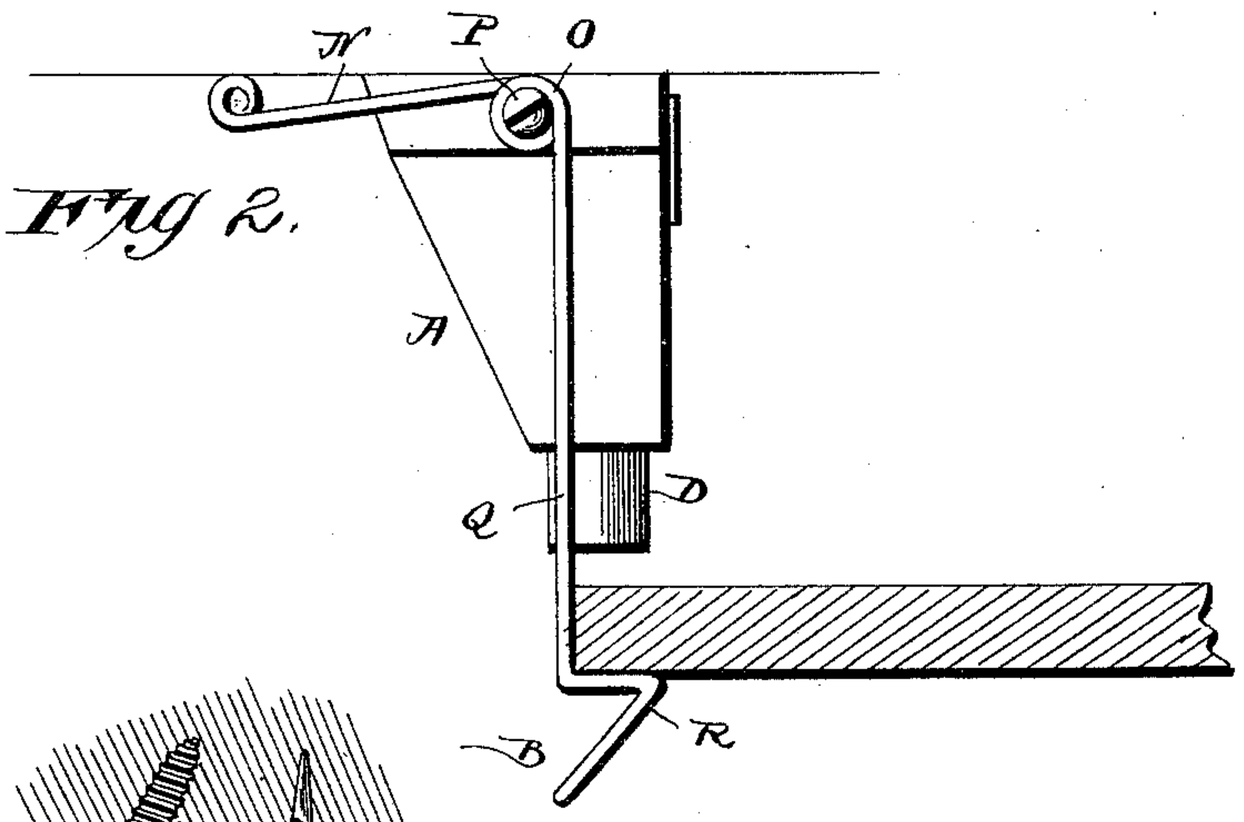
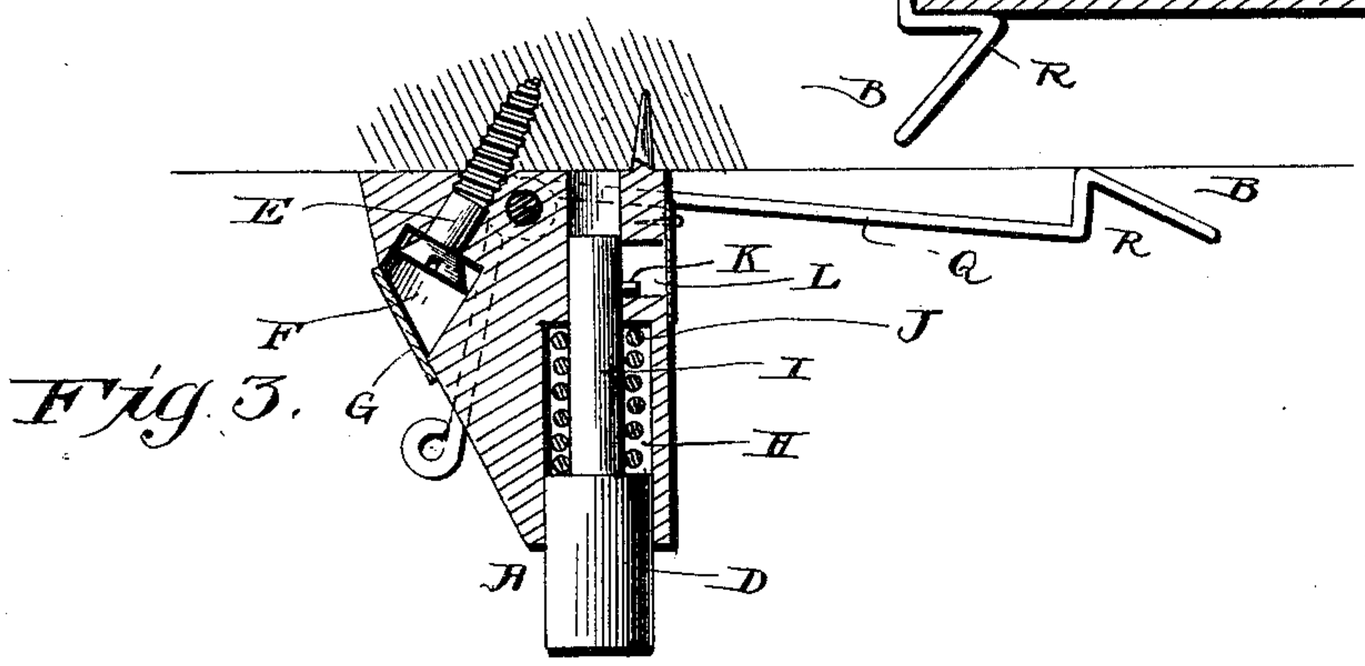


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM W. ATTEBERRY, OF CHESTERFIELD, ILLINOIS.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 415,355, dated November 19, 1889.

Application filed March 13, 1889. Serial No. 303,076. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. ATTEBERRY, a citizen of the United States, residing at Chesterfield, in the county of Macoupin and State of Illinois, have invented new and useful Improvements in Door-Stops, of which the following is a specification.

My invention relates to improvements in door-stops; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view showing my improved device in operative position. Fig. 2 is a plan view showing a door held by the improved device, the door being indicated in horizontal section. Fig. 3 is a horizontal section of the device, showing the spring swung back against the wall.

My improved device consists of the stop proper or buffer A, adapted to receive the blow of the door, and the spring B, adapted to engage the door and hold it in its open position. The stop or buffer A comprises the body C, which is secured to the wall and projects horizontally therefrom, and the cushion D, mounted in the said body, as shown. The body is secured to the wall by means of a screw E inserted through a horizontal opening F in the body and into the wall, the end of the said opening being covered by a plate G, so that the securing-screw will be covered so that the body will present apparently an unbroken surface, and the head of the screw will not be left projecting to catch in and tear the clothes of persons who happen to be standing near the stop, or be otherwise objectionable. The body is provided with a central horizontal opening H, in which the cushion D is mounted, the said cushion consisting of a pin I and a spring J coiled around the said pin and bearing between an annular shoulder thereon and the end of the opening H, as shown. The play or movement of the pin is limited by a stud or screw K, projecting laterally from the same and playing in a recess L in the body.

The spring B is mounted on the body, and has the short arms N, extending from the coiled portions O, which are wrapped around the pivot-pins P on the upper and lower sides of the body, and the longer arms Q, extending from the pivot-pins at an angle to the shorter arms. The longer arms are connected at their extremities and are provided with the shoulders R, which are adapted to engage the edge of the door.

When it is desired to open the door and hold it open, the spring is turned outward to the position shown in Figs. 1 and 2 by pressing the shorter arms inward toward the wall by the foot, so as to cause the longer arms to swing outward, as will be readily understood. When the door is opened, its edge will ride easily over the end of the spring, and the resilience of the spring will force the shoulders into engagement with the door, as shown in Fig. 2, so as to prevent its closing. When the door is opened it comes into contact with the cushion D, and the said cushion is thereby forced inward, so that the door will not be too suddenly checked and the hinges thereof bent, and at the same time it will be prevented from swinging against the wall so as to injure the same. When it is desired to close the door, the spring can be easily disengaged therefrom by the foot, and when it is not desired to hold the door open the spring is pushed around to the position shown in Fig. 3, so as to be out of the way.

From the foregoing description, taken in connection with the accompanying drawings, it will be seen that I have provided an extremely simple and efficient device by which the movement of the door, when being opened, will be arrested and the door will be automatically locked in its open position.

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

1. The combination of the body, the cushion or buffer sliding therein, and the spring pivoted to the upper and lower sides of the body and having the longer arms Q, adapted to engage the edge of the door, and the shorter arms N, adapted to be struck by the foot of the operator, as set forth.

2. The combination of the stop and the spring consisting of the portions O, coiled around pivot-pins on the upper and lower sides of the stop, and the arms N Q, extending from the coiled portions at right angles to each other, the longer arms Q having the shoulders R, substantially as specified.

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

WILLIAM W. ATTEBERRY.

Witnesses:

C. W. JONES,

A. R. ATTEBERRY.