(No Model.)

A. L. BUSKIRK.

DOOR CHECK.

No. 375,337. Patented Dec. 27, 1887.

Fig. 1.

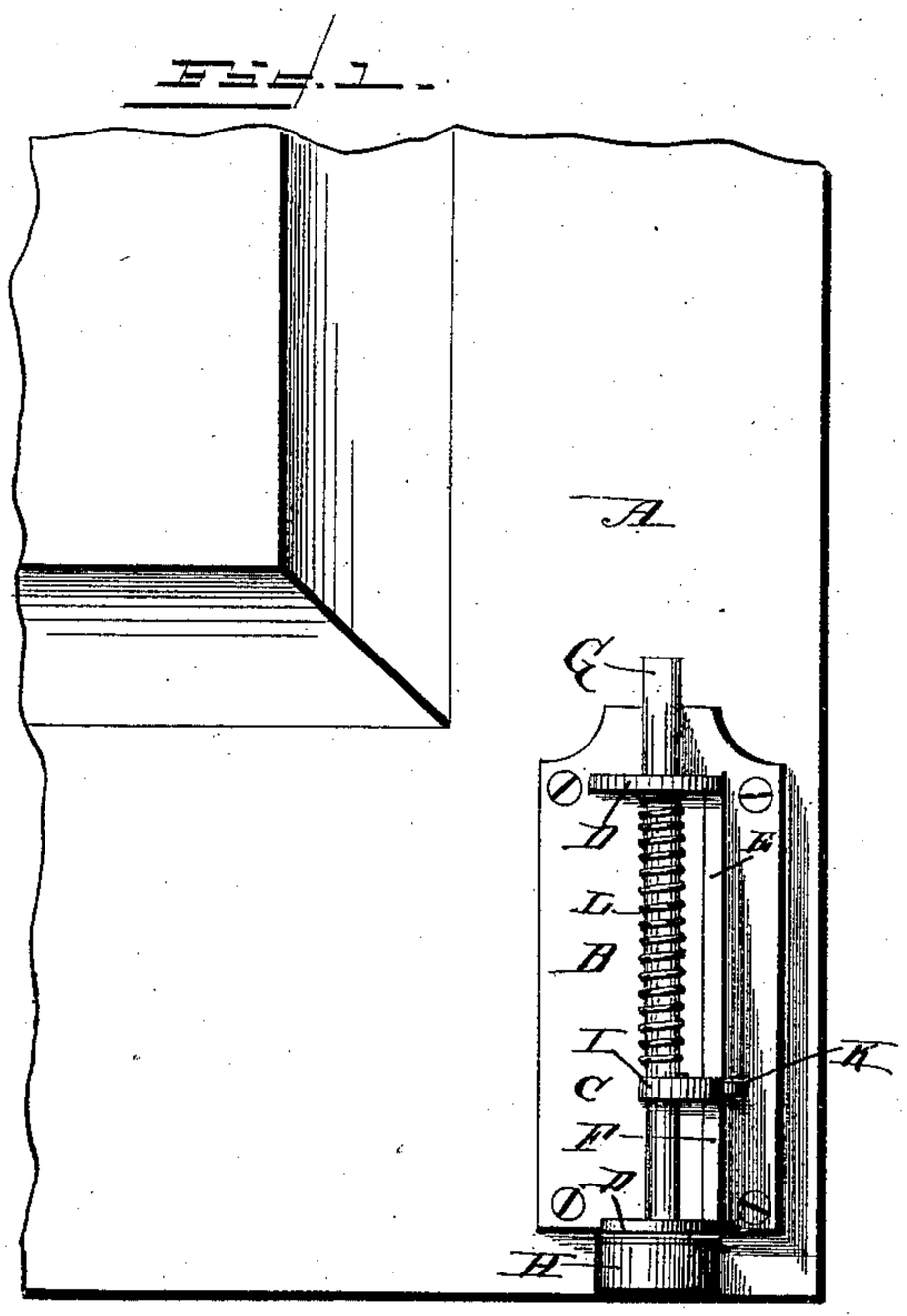


Fig. 2.

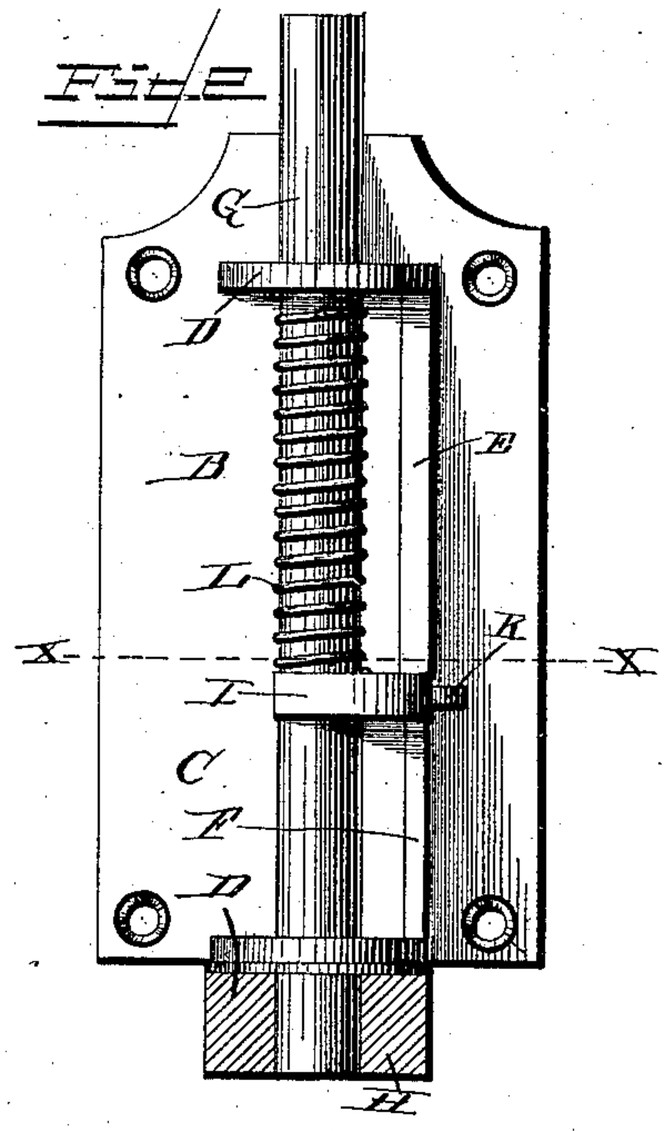


Fig. 3.

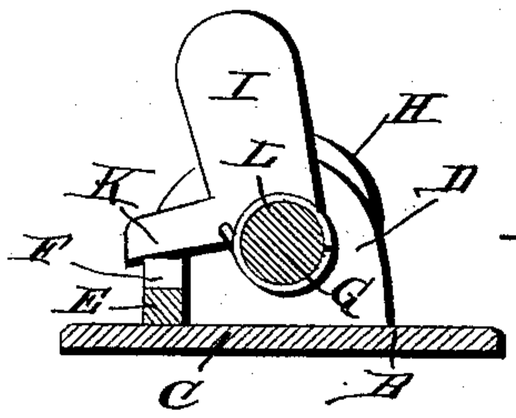
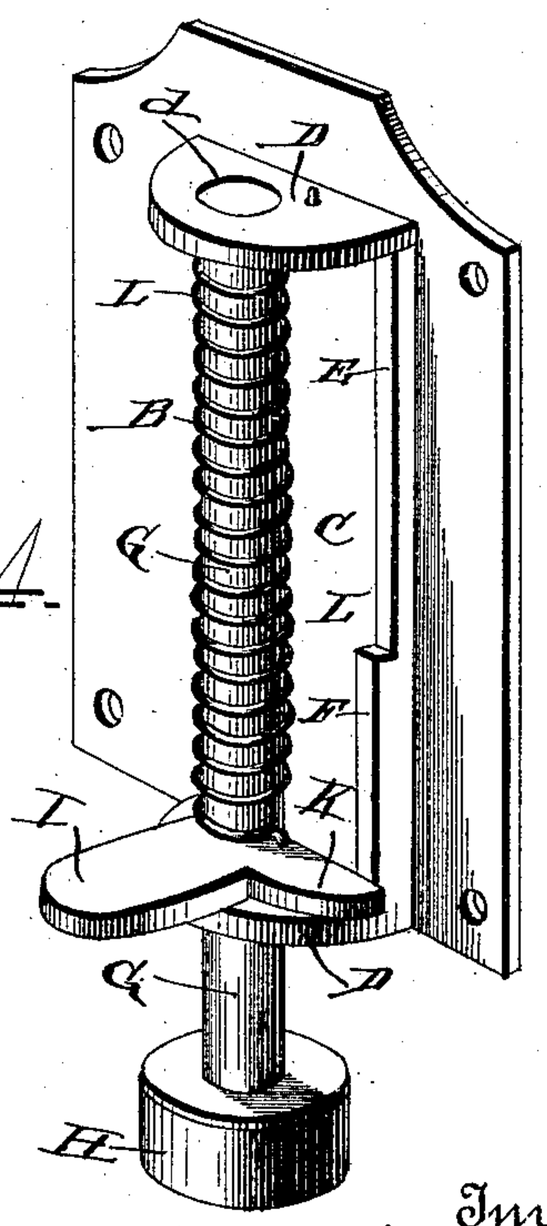


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

ALNA L. BUSKIRK, OF SHELBYVILLE, MICHIGAN.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 375,337, dated December 27, 1887.

Application filed September 7, 1887. Serial No. 249,050. (No model.)

To all whom it may concern:

Be it known that I, ALNA L. BUSKIRK, a citizen of the United States, residing at Shelbyville, in the county of Allegan and State of Michigan, have invented a new and useful Improvement in Door-Fasteners, of which the following is a specification.

My invention relates to improvements in door-fasteners; and it consists in a certain novel construction and arrangement of parts, fully set forth hereinafter, and specifically pointed out in the claims.

In the drawings, Figure 1 is a front view of the device applied to a door in the operative position. Fig. 2 is a view, partly in section, of the same. Fig. 3 is a horizontal section, line *x x*, Fig. 2. Fig. 4 is a perspective view of the device with the rubber in the extended position.

Referring by letter to the drawings, A designates a door, to the lower free corner of which is secured the fastener B.

C represents the base-plate of the fastener, adapted to be secured to the door by screws passing through perforations in the plate; and D D are horizontal ears formed on the plate at the upper and lower ends thereof, and provided with aligned openings *d d*.

E represents a rib or flange on the outer face of the plate, having a notch or shoulder, F, thereon a short distance from the bottom, for a purpose hereinafter explained.

G represents a vertical sliding rod operating in the aligned openings *d d*, and the said rod is provided at the lower end with a rubber cushion, H, adapted to bear upon the floor. The rod G is provided a short distance from the lower end with the handle I and the detent or catch K, to engage in the notch or shoulder F.

L designates a spiral spring coiled around the rod G and bearing at the ends against the under side of the upper ear, D, and the upper side of the handle I. The said spring not only bears against the surfaces of the said points, but the ends thereof are bent upwardly and downwardly and secured in perforations in the said ear D and handle I, so that the tendency of the spring to twist will cause the catch K to automatically engage over the shoulder F when the rod is raised to the proper height.

The operation, then, of the device is as follows: The coiled spring around the rod G normally holds the rubber or cushion pressed against the floor, so that as the door is swung the rubber prevents it from slamming. The spring is preferably made very strong, and therefore the door cannot be moved unless considerable force is applied. Consequently the door cannot be swung by the wind. When it is desired to close the door or swing it to any great extent, the toe of the shoe is used to raise the handle I, and when the catch K comes up to the height of the shoulder F the spring will cause the said catch to engage over the shoulder and hold the rubber in the raised position. When it is desired to lock the door at any particular point, the handle or toe-hold I is pressed to one side to disengage the catch from the shoulder, and the spring will force the rubber down firmly on the surface of the floor, and the friction of the former with the latter will prevent the door from swinging.

It will be readily seen that the cushion on the lower end of the rod will bear firmly upon the floor, (or carpet, if covered with the latter,) whether the same is close to the lower edge of the door or a considerable distance therefrom, as the vertical motion of the rod G is only limited by the upper side of the cushion and the lower side of the toe-hold.

The object in using rubber for the cushion is that there is a great amount of friction between it and other substances against which it is pressed; but I do not limit myself to the use of rubber, as any substance of a like character between which and the floor there is considerable friction will answer equally as well.

Having thus described my invention, I claim—

1. In a door-check, the combination, with the base-plate having the apertured ears D D and the shoulder F, of the sliding bolt mounted in the apertures in the said ears, and having the rubber H on the lower end and the catch K on the side to engage the shoulder F, and the spring L around the bolt between the ears, and secured rigidly at the upper end to the upper ear and at the lower end to the bolt, whereby when the bolt is elevated the twist of the spring will force the catch K into engagement with the shoulder F, substantially as specified.

2. In a door-check, the combination of the base-plate A, the apertured ears D D at the upper and lower ends thereof, the rib E between the said ears, and having the shoulder F thereon, the bolt G, mounted in the apertures in the said ears D and having the rubber H on the lower end, the handle I on the bolt between the ears D, the catch K, adjacent to the handle I and adapted to engage the shoulder F, and the spring L, coiled around the said bolt between the upper ear and the handle I, substantially as and for the purpose specified.

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

ALNA L. BUSKIRK.

Witnesses:

THOMAS H. SHEPHERD,

DAVID W. SHEPHERD.

Correction in Letters Patent No. 375,337.

Affidavit having been filed showing that the name of the patentee in Letters Patent No. 375,337, granted December 27, 1887, for an improvement in "Door-Checks," should have been written and printed *Alva L. Buskirk*, instead of "Alna L. Buskirk," it is hereby certified that the proper correction has been made in the files and records pertaining to the case in the Patent Office, and should be read in the Letters Patent that the same may conform thereto.

Signed, countersigned, and sealed this 14th day of February, A. D. 1888.

D. L. HAWKINS,
Acting Secretary of the Interior.

[SEAL.]

Countersigned:

BENTON J. HALL,
Commissioner of Patents.