No. 758,980. PATENTED MAY 3, 1904.

H. W. LA MUNYON.

DOOR CHECK.

APPLICATION FILED NOV. 7, 1903.

NO MODEL.

Fig. 1.

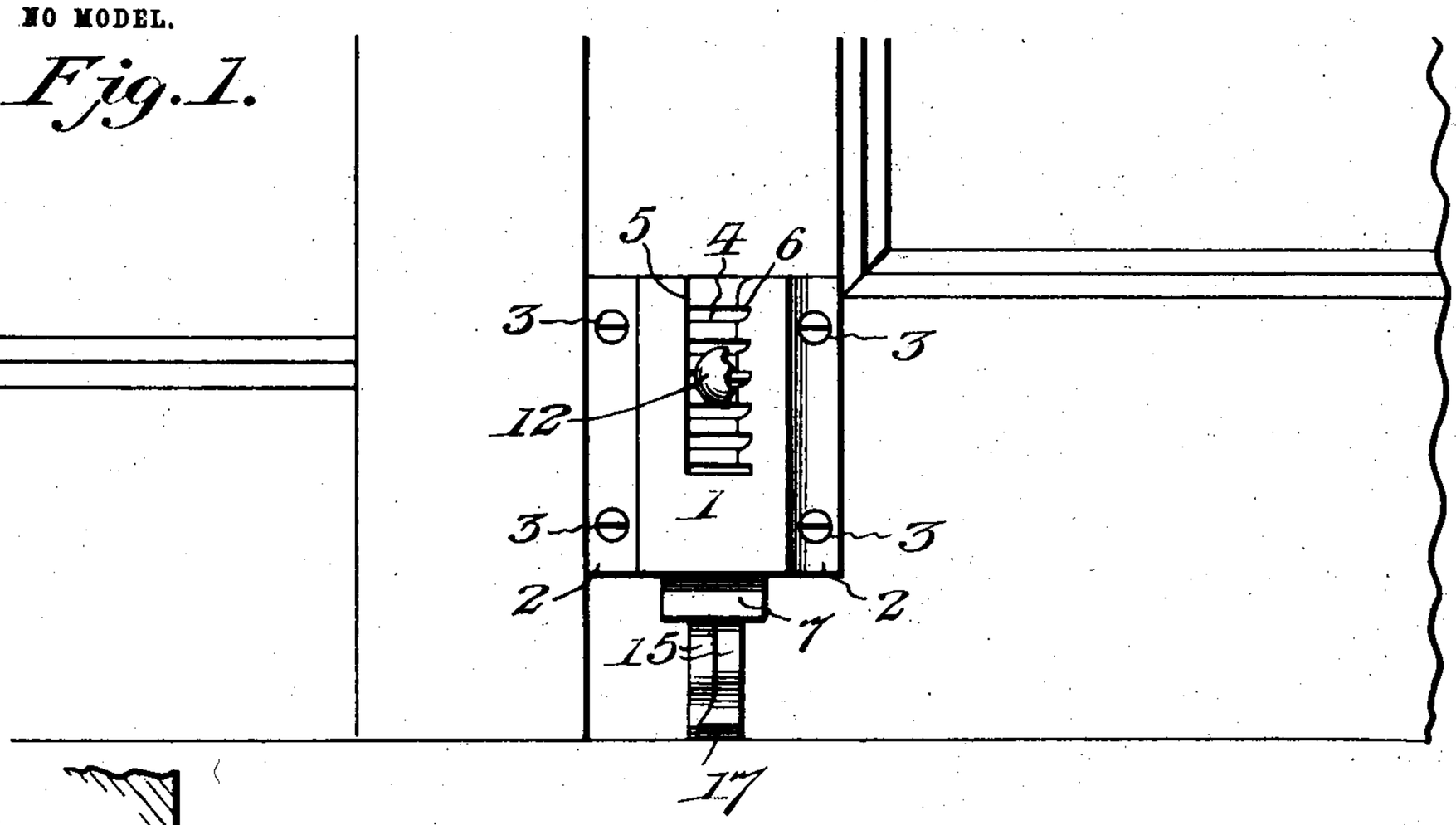


Fig. 2.

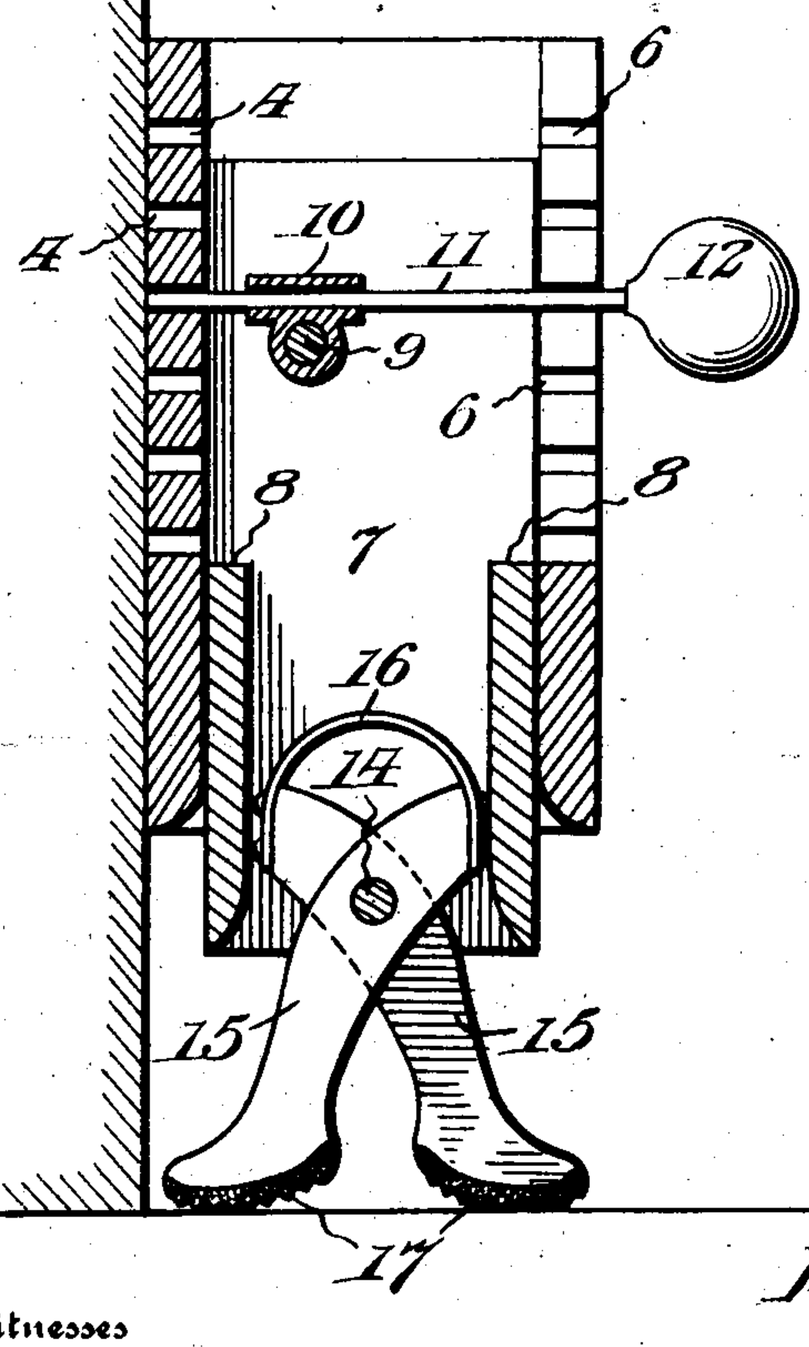
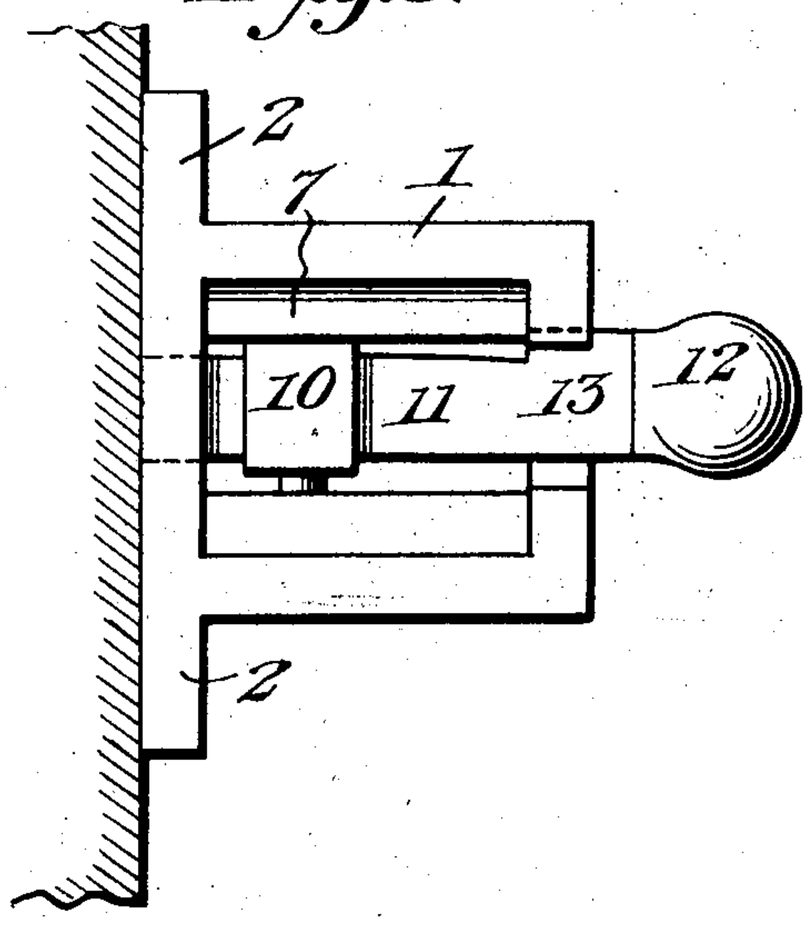


Fig. 3.



Witnesses

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No. 758,980. Patented May 3, 1904.

UNITED STATES PATENT OFFICE.

HERBERT W. LA MUNYON, OF DUMONT, COLORADO.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 758,980, dated May 3, 1904.

Application filed November 7, 1903. Serial No. 180,243. (No model.)

To all whom it may concern:

Be it known that I, HERBERT W. LA MUNYON, a citizen of the United States, residing at Dumont, in the county of Clear Creek and State of Colorado, have invented new and useful Improvements in Door-Checks, of which the following is a specification.

My invention relates to new and useful improvements in door-checks; and its object is to provide a simple and inexpensive device which may be readily attached to a door and which is provided with feet adapted to automatically bear upon the floor and hold the door in any position to which it may be moved.

A further object is to provide means whereby the feet may be readily adjusted from or toward the floor.

With the above and other objects in view the invention consists in providing a casing having recesses in its inner face adapted to be engaged by a spring-slide which normally engages any one of a series of notches formed in one side of a slot in the outer face of the casing. This slide engages a plunger which is mounted within the casing and has crossed legs pivotally mounted in the lower end thereof and normally drawn together by means of a spring connected thereto.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described, illustrated, and claimed.

In the drawings, Figure 1 is a front elevation of my improved door-check secured to a door. Fig. 2 is an enlarged vertical section therethrough. Fig. 3 is a plan view of the door-check.

Referring to the figures by numerals of reference, 1 is a casing, preferably rectangular in form and having flanges 2 extending laterally from the inner face thereof, said flanges being adapted to be secured to a door in any suitable manner, as by means of screws 3. The inner face of the casing has a series of recesses 4 formed therein, and the outer face of said casing has a longitudinally-extending slot 5, in one side of which are formed notches 6, said notches being in horizontal alinement with the recesses 4. A plunger 7 is slidably mounted within the casing and has slots 8 in its front and rear faces. A pin 9 extends transversely of the plunger adjacent its upper end, and pivotally mounted thereon is a guide-block 10, in which is mounted a slide 11, formed of a strip of spring metal. This slide has a handle 12 at its outer end, and its inner end normally engages any one of the series of recesses 4. Adjacent the handle 12 the slide 11 is of greater width than the remainder thereof, and this enlarged portion 13 of the slide is adapted to engage one of the notches 6 when the slide is in engagement with a recess 4. A pin 14 extends transversely of the plunger adjacent its lower end and pivotally-extending legs 15 are pivotally mounted thereon and are connected at their upper ends by means of a spring 16, which serves to hold them normally drawn together. Shoes 17, preferably formed of rubber, are secured to the lower ends of the legs 15 and are adapted to be normally held in contact with the floor by means of the spring 16. When it is desired to remove the shoes from contact with the floor, the handle 12 is drawn outward, so as to disengage the enlarged portion 13 of the slide from the notch 6, in which it is located, and to disengage said slide from the recess 4. The slide is then raised by means of the handle 12 and is moved within the slot 5, thereby carrying the plunger 7 upward therewith. When the plunger has reached a desired position, the slide is pressed inward into engagement with the adjoining recess 4 and notch 6, and the parts are thus securely locked in place. To place the shoe 17 in contact with the floor, the above operation is reversed. By employing a slide which is formed of spring metal a certain amount of vertical movement is permitted the plunger while the shoes are in contact with the floor, thus preventing undue wear upon or injury to the floor or its covering.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus fully described the invention, what is claimed as new is—

1. A door-check comprising a casing, a spring-slide therein and adjustably connected thereto, a plunger mounted within the casing and engaged by the slide, and spring-pressed shoes depending from the plunger.

2. In a door-check, the combination with a casing having a slot therein provided with a notched side wall and recesses in the opposite wall of the casing; of a plunger slidably mounted within the casing, a spring-slide adjustably connected to the casing and engaging the plunger, and spring-pressed shoes connected to the plunger.

3. In a door-check, the combination with a casing; of a spring-slide adjustably mounted therein, a plunger mounted within the casing, a guide-block pivoted therein and engaging the slide, legs pivoted within the plunger and extending therefrom, and springs connecting said legs.

4. In a door-check, the combination with a casing having recesses in one face thereof and a slot in the opposite face, said slot having a notched slot; of a plunger mounted within the casing, a guide-block pivoted within the plunger, a spring-slide mounted within the guide-block and adapted to engage a recess and a notch, legs pivoted within, and extending from, the plunger, shoes at one end thereof, and springs connecting other ends of the legs.

In testimony whereof I affix my signature in presence of two witnesses.

HERBERT W. LA MUNYON.

Witnesses:
W. P. ALKIRE,
S. L. BURGER.