No. 701,431. Patented June 3, 1902.

J. WATTS.

DOOR CHECK.

(Application filed Apr. 3, 1902.)

(No Model.)

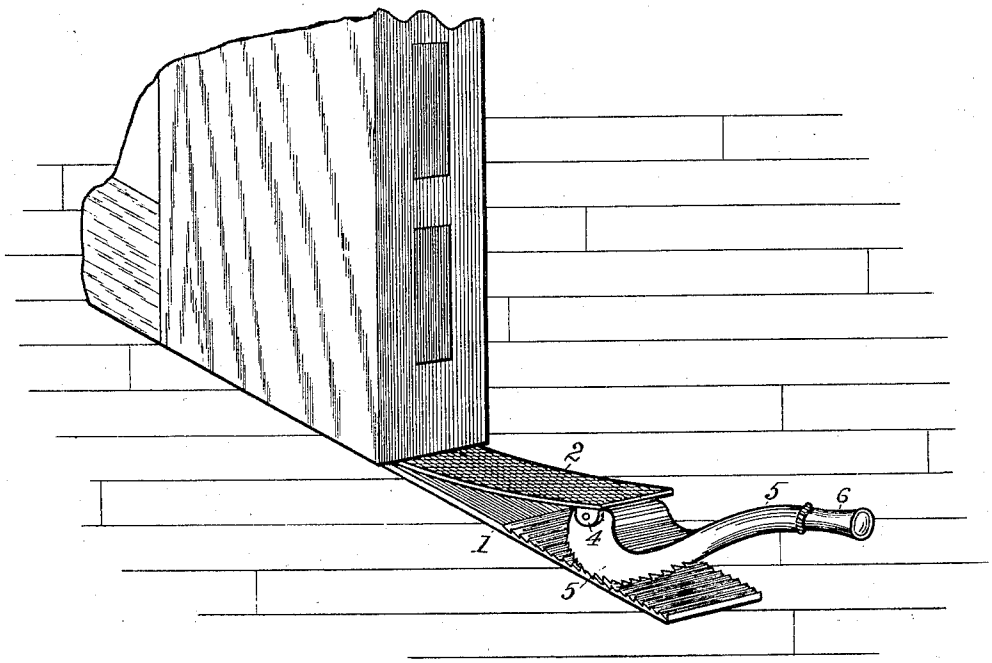


Fig. 1.

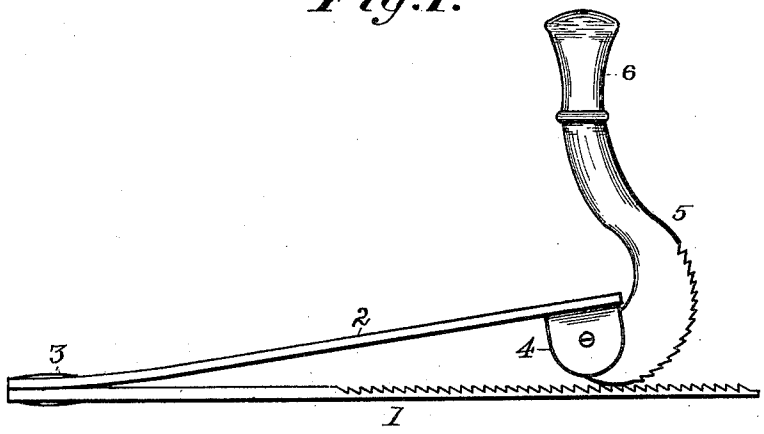


Fig. 2.

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UNITED STATES PATENT OFFICE.

JOHN WATTS, OF AKRON, OHIO.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 701,431, dated June 3, 1902.

Application filed April 3, 1902. Serial No. 101,179. (No model.)

To all whom it may concern:

Be it known that I, JOHN WATTS, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a certain new and useful Improvement in Door-Checks, of which the following is a specification.

My invention has relation to improvements in that class of devices for holding a partially-opened door at any distance from the jamb to prevent it from swinging by force of the wind or accidental cause.

The object of my invention is to provide a simple and efficient device that may be readily expanded to meet any width of space between the door and floor and force it firmly against each and which shall be self-locking when in place.

To the accomplishment of the aforesaid object my invention consists in the peculiar and novel construction, arrangement, and combination of parts hereinafter described and then specifically pointed out in the claims, reference being had to the accompanying drawings, which form a part of this specification.

In the accompanying drawings, in which similar reference-numerals indicate like parts in the different figures, Figure 1 is a perspective view of a portion of the lower outer corner of a door with my improved stop applied thereto, and Fig. 2 a side elevation of the stop in its normal condition in a preferred form of construction.

Referring to these drawings, 1 is the lower leaf of a flat V-spring, and 2 the upper leaf, united at one end by a flat-headed rivet 3. It is obvious that this V-spring may be of a single piece of metal; but for convenience of construction the form shown is preferable. The upper face of the leaf 1 from its free end inward is notched or corrugated, preferably as shown, the perpendicular faces of the corrugations being toward the rivet end, and from the opposite sides of the lower face of the free end of the leaf 2 depend oppositely-disposed perforated ears 4, between which is pivotally hinged a lever 5. The outer face of this lever is curved eccentrically to the pivot with the least radius at the pivoted end and thence increased for a distance preferably slightly exceeding a quadrant, whence it extends to a handle 6. The curved face of the lever 5 is corrugated or notched similarly to the leaf 1, but with the perpendicular faces in the opposite direction to engage the perpendicular faces of the corrugations of the leaf 1.

In operation, the door being opened the desired distance, the rivet end of the device is inserted under it and the lever rocked back until the upper leaf presses firmly against the bottom of the door, as shown in Fig. 1, thereby practically wedging the door in place. It is released by taking hold of the handle 6 and slightly lifting, which raises the corrugations of the lever out of those of the leaf, and thus permits the lever to be rocked forward, which allows the leaves to approach each other, thus reducing its wedge thickness and permitting its easy withdrawal.

To insure greater frictional contact with the bottom of the door, the upper face of the leaf 2 is roughened by cross-cuts, as shown, or in any other approved or preferred manner.

It will be obvious that the device may be constructed and used without the corrugations in the leaf 1 and lever 5; but the addition of this feature affords greater security in retaining the parts in place.

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

1. An improved door-check consisting of two metallic leaves, united at one end, and having a pivoted lever in the free end of one leaf with an eccentric face to engage and bear on the face of the other leaf, substantially as shown and described.

2. An improved door-check consisting of two metallic leaves, united at one end one of which has a corrugated face, and the other having a pivoted lever in its free end with an eccentric corrugated face to engage and bear on the corrugated face of the opposite leaf, substantially as shown and described.

In testimony that I claim the above I hereunto set my hand in the presence of two subscribing witnesses.

JOHN WATTS.

In presence of—
C. E. HUMPHREY,
C. P. HUMPHREY.