(No Model.)

N. R. THOMAS.

DOOR CHECK AND HOLDER.

No. 348,428. Patented Aug. 31, 1886.

Fig. 1.

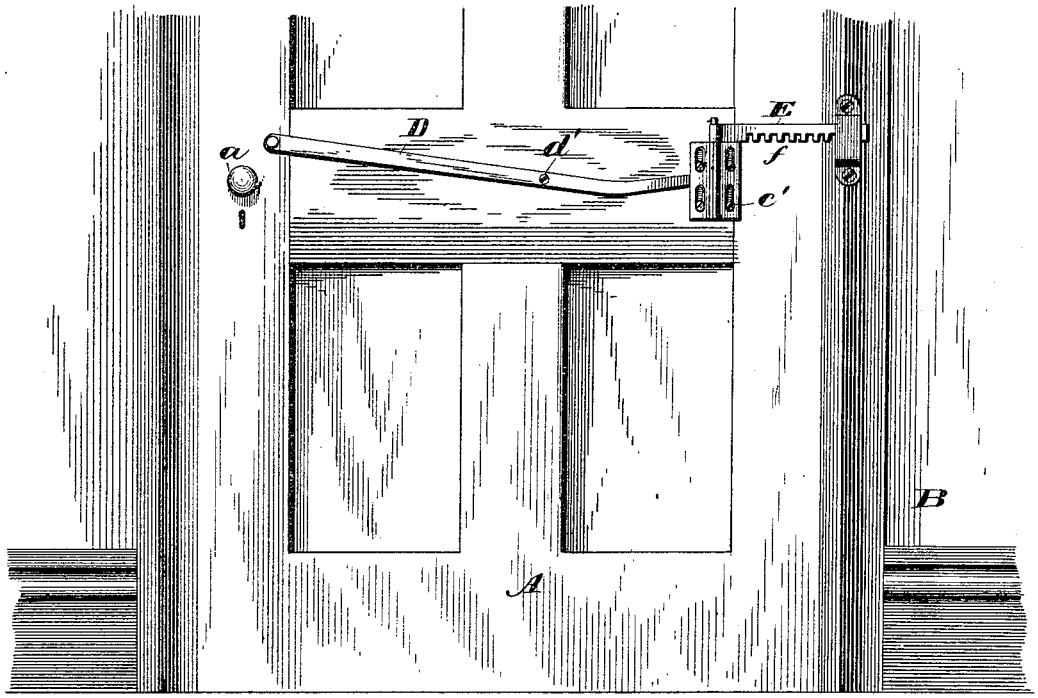
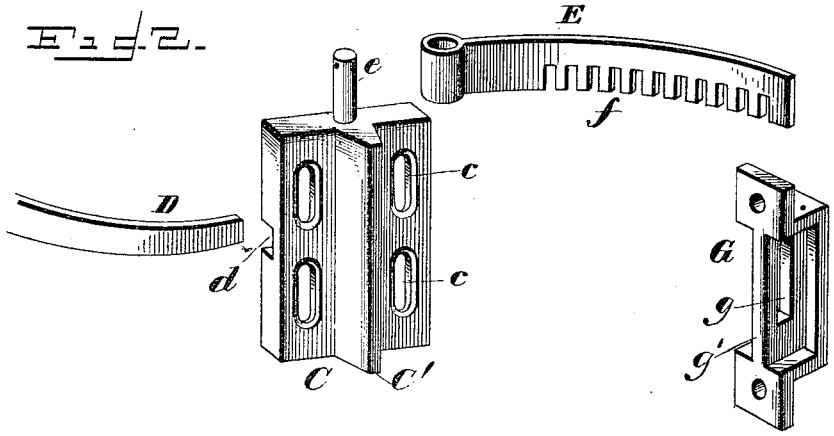


Fig. 2.



Witnesses
G. S. Elliott.
E. M. Johnson

Nathan R. Thomas.
Inventor
Attorney

UNITED STATES PATENT OFFICE.

NATHAN R. THOMAS, OF PETTISVILLE, OHIO.

DOOR CHECK AND HOLDER.

SPECIFICATION forming part of Letters Patent No. 348,428, dated August 31, 1886.

Application filed July 15, 1886. Serial No. 208,129. (No model.)

To all whom it may concern:

Be it known that I, NATHAN R. THOMAS, a citizen of the United States of America, residing at Pettisville, in the county of Fulton and State of Ohio, have invented certain new and useful Improvements in Door Fasteners and Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in door fasteners and holders, the object of my improvement being to provide a cheap and effective means whereby a door or gate can be adjusted so as to hold the door in a closed position or in any desired position when opened; and to this end my invention consists in providing the door with a vertical sliding block which is attached thereto near the hinged portion of the door, said block carrying at its upper end a pivoted bar which engages with a holder attached to the door-frame, the sliding block being operated by a pivoted bar which extends near the door-knob, as will be hereinafter fully set forth. My invention also consists in the construction and combination of the parts.

In the accompanying drawings, which illustrate my invention, Figure 1 is a front view showing my improved door holder and fastener applied to a door and door-frame, and Fig. 2 are perspective views showing the parts detached from each other.

In the accompanying drawings, A refers to the door, which is hinged in the usual manner to the frame B, said door being provided with the usual knob, *a*, and lock.

C is a sliding block, which is provided with vertical slots *c c*, through which pass screws *c'*, for attaching said block to the door, this block being attached to said door in such a manner that it would be capable of a vertical movement upon the retaining-screws *c'*. The under side of the sliding block C, at about its center portion, is provided with a recess, *d*, within which will lie the end of a lever, D, said lever being pivotally attached to the door by a screw, *d'*. The opposite end of the lever D is of sufficient length to extend near the door-knob *a*, and it is provided with a suitable outwardly-projecting knob for operating the same. The sliding block C at its central portion is provided with an outwardly-extending web, C', which will serve to give additional weight to said sliding block, and also strengthens and enlarges the same at its center portion, from which the upwardly-projecting pin *e* extends. The upper edge of this central portion, C', also forms a bearing for the serrated bar E, as well as a stop which will abut against the door-frame when the door is swung entirely open, so as to prevent the door coming in contact with the catch G or the frame B. The projecting portion C', being on the center of the sliding block C, will also prevent the same being twisted or turned, as it would otherwise be should one edge of said block strike against the frame.

Upon the pin *e* of the vertical sliding block C is pivotally secured a curved rack-bar, E, one end of said rack-bar having an eye formed therein, while the lower portion is provided with teeth or notches *f*, which engage with the lower portion of the slot *g*, in the casting G. The casting or catch G, which is attached to the door-frame, is provided with a central web, *g'*, which has a central slot, *g*, through which passes the curved rack-bar. The sliding block C is of such a weight that it will normally rest upon the screws *c'*, so that the rack-bar will be in engagement with the slot *g* in the catch G, and when the door is closed it will be held in such a position by the rack-bar. When it is desired to hold the door in an open position, the end of the lever D, near the knob, is depressed, which will raise the sliding block and rack-bar to the position shown in Fig. 1 of the drawings, when the door can be opened to the desired position. By releasing the lever D the rack-bar will partly engage with the casting or catch G, and thus hold the door in an open position. If desirable, the end of the lever D may be attached to the knob-spindle by a bar or loop, so that by turning said knob the end of the lever can be depressed so as to bring the rack-bar out of engagement with the catch.

I am aware that prior to my invention it has been proposed to provide a door with a hold-

ing device which is operated by a lever which extends close to the knob, and I therefore make no broad claim to such invention; but

What I claim is—

1. In a door fastener or holder, the combination of the pivoted lever D, one end of the same engaging with a vertical sliding block attached to the door, said block having pivoted at its upper end a rack-bar which is adapted to engage with the catch attached to the door-frame, substantially as shown, and for the purpose set forth.

2. In combination with the lever D, a sliding block, C, having an outwardly-projecting web, C′, and pivotal pin *e*, attached to the upper end of said sliding block, and a rack-bar, E, carried thereby, in combination with the casting or catch G, with which said rack-bar engages, attached to the door-frame, the parts being organized substantially as shown.

3. In combination with the lever D, pivoted to the door so that one end will extend near the knob thereof, the opposite end engaging with a vertical movable block, C, having slots *c*, and recess *d*, within which the end of the lever D lies, a curved rack-bar, E, pivotally attached to the upper end of the sliding block, and a catch, G, attached to the door-frame, substantially as shown, and for the purpose set forth.

4. In a door fastener and holder, the block C, provided with longitudinal slots *c*, and an outwardly-projecting web, C′, a pivotal pin, *e*, projecting from the upper portion of said block, the curved rack-bar E, having an eye formed in one end which embraces the pivotal pin *e*, the lower edge of said rack-bar bearing upon the upper edge of the sliding block C′, and the outwardly-projecting web *g*′, in combination with an operating lever and catch attached to the door-frame, with which the rack-bar engages, the parts being combined and organized substantially as shown, and for the purpose set forth.

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

NATHAN R. THOMAS.

Witnesses:

ORLANDO P. FOSTER,

EDUARD TH. GRAETZ.