

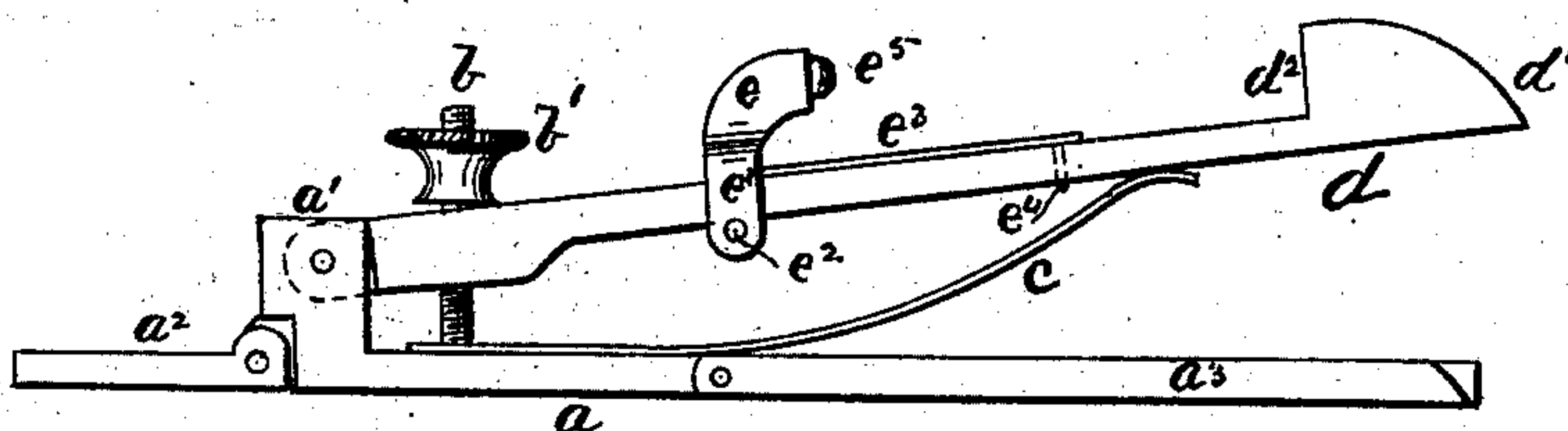
(Model.)

I. N. ARMENT.  
Door Check.

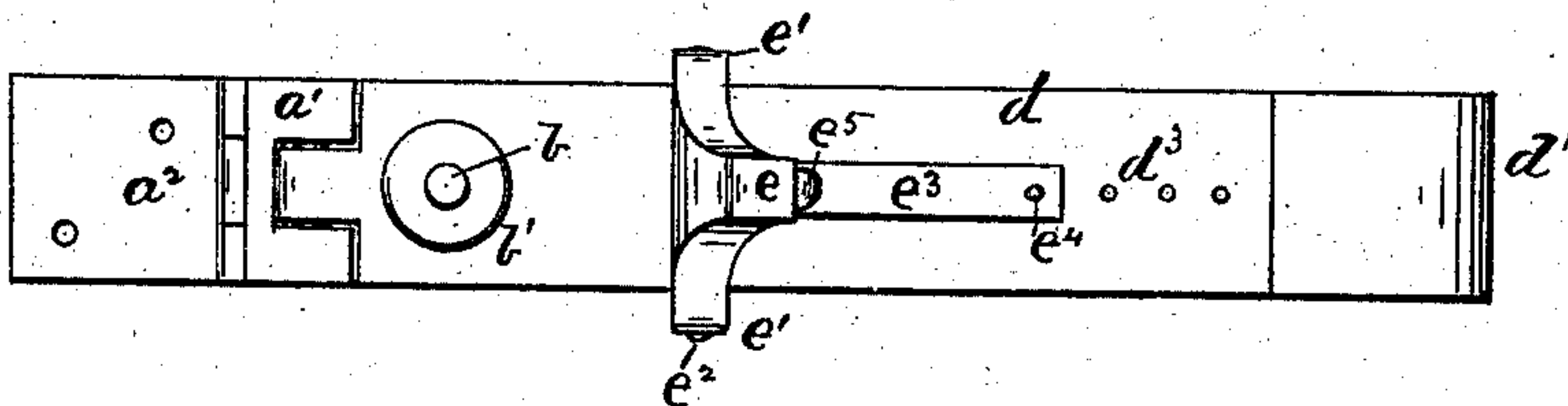
No. 242,738.

Patented June 14, 1881.

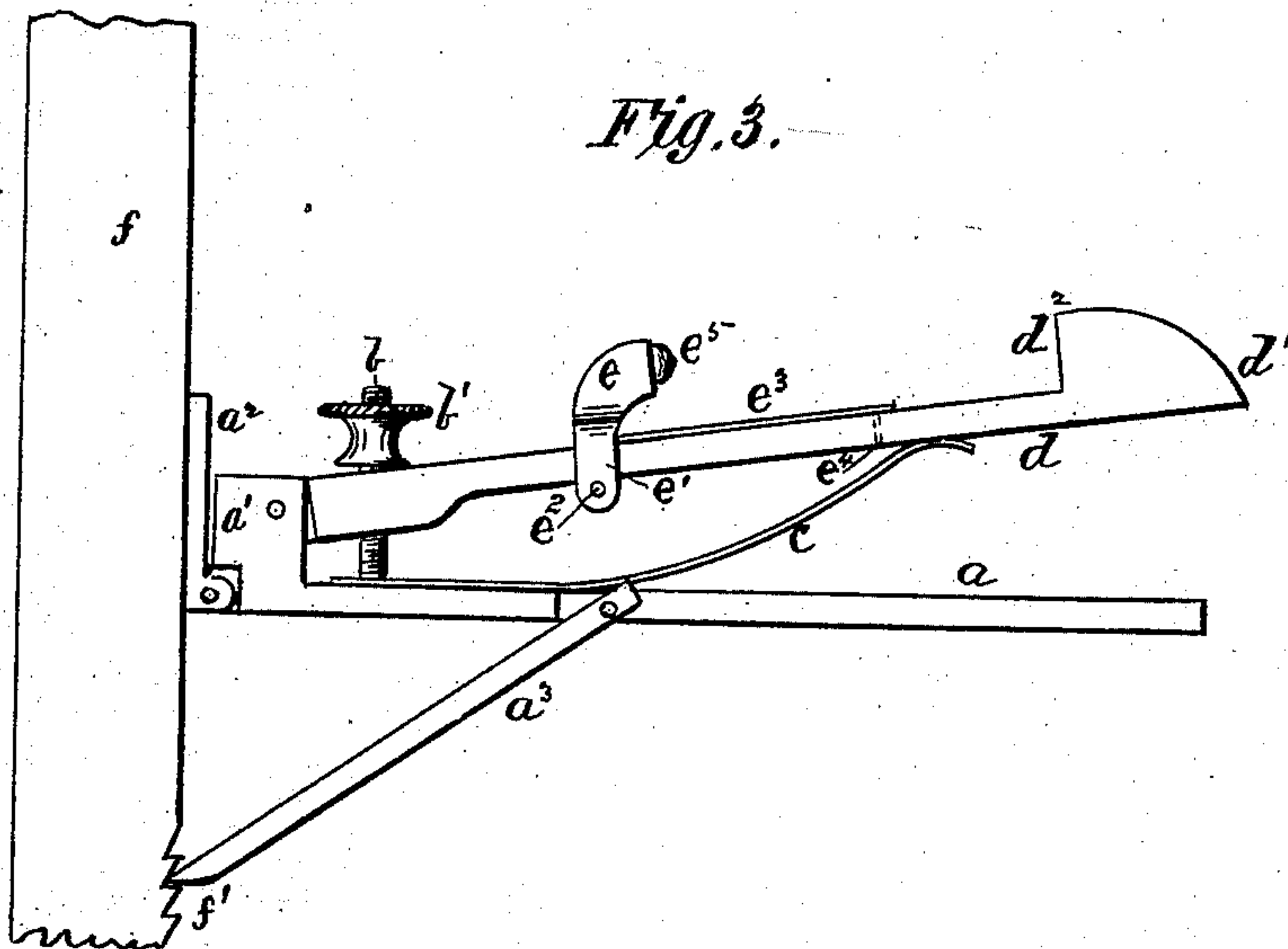
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:  
M. M. Lacey  
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# UNITED STATES PATENT OFFICE.

ISAAC N. ARMENT, OF DAYTON, WASHINGTON TERRITORY.

## DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 242,738, dated June 14, 1881.

Application filed March 24, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, ISAAC N. ARMENT, a citizen of the United States, residing at Dayton, in the county of Columbia and Territory of Washington, have invented certain new and useful Improvements in Door-Checks; 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.

This invention has for its object to furnish a door-stop which will serve also for a hold-back, and which may be adjusted to suit any thickness of door or height of the lower end of the door from the floor, and which also may be set to catch on the vertical edge of the door, if such arrangement be desirable.

It consists in the construction and arrangement of the several parts, hereinafter fully described and claimed.

In the drawings, Figure 1 is a side elevation; Fig. 2, a plan of my improved stop; and Fig. 3 shows the device secured to the washboard in position to catch on the vertical or front edge of the door.

$a$  is a base or foundation bar, which has at its rear end a lug,  $a'$ , to which is hinged a strap or lug,  $a^2$ , in line with the base-bar  $a$ . The lug  $a^2$  is provided with screw-holes through it, so that it may be fastened to the floor or washboard. When secured to the floor the base-bar  $a$  turns down and lies flat on the floor in the position shown in Fig. 1. On one side of the base there is fixed a brace,  $a^3$ , which is pivoted in such a position that its free end will turn outward and form a brace to hold the bar in a vertical position, as shown in Fig. 3. When the base-bar is to lie flat on the floor the brace turns into a side recess in the bar, and is entirely out of the way, as shown in Fig. 1.

On the upper side of the base-bar, and near to the lug  $a'$ , there is fixed the vertical threaded pin  $b$ , on the upper end of which is placed the thumb-nut  $b'$ .

$c$  is a spring, which has one end fixed to the base-bar, while its other end is arranged to

bear on the under side of and press upward on the hinged catch-bar  $d$ . The catch-bar  $d$  has its rear end hinged to the upper end of the lug  $a'$ , so that it has a free vertical movement. It has a suitable opening or slot near its rear end, which passes over the pin  $b$ , so that the upper end of the latter projects upward, and holds the nut  $b'$  to bear on the upper side of the catch-bar, in opposition to the upward action of the spring  $c$ . The outer end of the bar  $d$  is enlarged and beveled to a point,  $d'$ , and formed with a shoulder,  $d^2$ , which drops over the front side of and holds the door open.

$e$  is a movable stop placed on and constructed so that it is adjustable along the bar  $d$  to or from the shoulder  $d^2$ . It is provided with lugs  $e'$   $e'$  on its opposite ends, which extend downward on the opposite edges of the bar  $d$  and are connected by a short rod or bar,  $e^2$ , which passes under the bar and forms a strong fastening. The stop can be fixed in any desired place by any suitable device. I have shown a short bar,  $e^3$ , which has one end fastened to the stop on the edge which rests on the bar  $d$ , while its opposite end extends along the bar and has a pin,  $e^4$ , (shown in dotted lines,) which is dropped into one of a series of vertical holes,  $d^3$ , formed in said bar. The pin can readily be lifted out of one hole, the stop moved, and the pin be again dropped into another hole. The stop  $e$  can have, if desired, an elastic bumper,  $e^5$ , fixed in its end.

In Fig. 1 the device is shown in position to have the door pass over it, while in Fig. 3 it is fixed to the washboard  $f$ , in position to catch over the outer edge of the door. Instead of fixing it directly to the washboard, a short supplemental plate can be specially provided to hold it and the plate be screwed to the washboard. Small notches  $f'$  are cut in the washboard or supplemental plate to engage and hold the end of the brace  $a^3$ , which holds the base-bar  $a$  in its perpendicular position. The set-nut  $b'$  can be turned up or down on the pin  $b$ , and thereby the catch-bar  $d$  is raised or lowered to adapt it to the door. When placed to catch on the under edge of the door it can be adjusted with the greatest nicety to the height of the under edge of the door from the floor. The stop  $e$  can be set to the exact thickness of the door, so that all the rattling



of the latter will be obviated. The set-nut  $b'$  limits the upward movement of the bar  $d$ .

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

1. In a door-stop, the hinged bar  $d$ , provided on its outer end with a catch,  $d^2$ , and an adjustable stop,  $e$ , and held by a suitable spring, substantially as set forth.
2. The combination of the retaining-plate  $a^2$ , the base-bar  $a$ , having a lug,  $a'$ , on its rear end, and hinged to the plate  $a^2$ , the catch-bar  $d$ , hinged to the lug  $a'$ , and the spring  $c$ , placed between the base  $a$  and catch-bar  $d$ , so as to support the latter, substantially as set forth.
3. The combination, with the base  $a$ , having

a rear lug,  $a'$ , and the catch-bar  $d$ , hinged to the lug  $a'$ , of the threaded pin  $b$ , fixed on the base  $a$  and projecting above the catch-bar, and provided with a set-nut,  $b'$ , arranged to bear upon the upper surface of the said catch-bar, and the spring  $c$ , placed between the base-bar and the catch-bar to support the latter in position, substantially as set forth.

In testimony whereof I affix my signature, in presence of two witnesses, on this 8th day of February, A. D. 1881.

ISAAC NEWTON ARMENT.

Witnesses:

J. A. STARNER,

J. W. JESSEE.