M. FATHERREE, JR.

DOOR HOLDER.

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1,108,894. Patented Sept. 1, 1914.

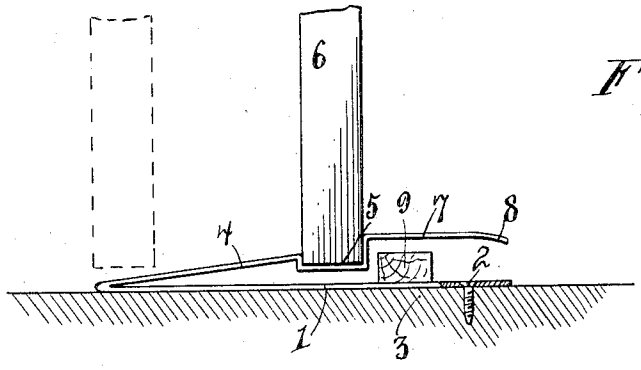
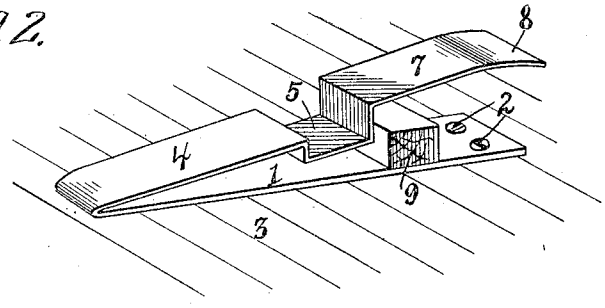


Fig. 1.

Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

MELVILLE FATHERREE, JR., OF ATLANTA, GEORGIA.

DOOR-HOLDER.

1,108,894. Specification of Letters Patent. Patented Sept. 1, 1914.

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To all whom it may concern:

Be it known that I, MELVILLE FATHERREE, Jr., a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented new and useful Improvements in Door-Holders, of which the following is a specification.

My invention relates to door holders and more particularly to a spring operated device adapted to be positioned upon the floor and to engage or catch the door when the latter is swung open.

An object of my invention is to provide a device of the foregoing nature which shall be simple in construction and easily and quickly operated.

Another object of my invention is to provide a device of the foregoing nature which may be operated in order to release a door by the simple pressure of the foot.

With the foregoing and other objects in view my invention consists in such details of construction and in the arrangement and combination of parts as will be hereinafter more fully described and specifically pointed out in the appended claims.

In describing my invention in detail reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views and in which,

Figure 1 is a view in elevation of my device showing the door in locked position. Fig. 2 is a perspective view of my invention.

In reducing my invention to practice I provide a single strip of sheet metal which is bent upon itself approximately intermediate its ends to provide a base plate 1, having apertures near one end thereof adapted to receive screws 2 or other fastening devices adapted to enter the floor 3 and hold my device in position. The base plate 1 is of suitable size and shape and should be of an elongated nature as shown. A clamping plate 5 extends at an angle to or is inclined relatively to the base-plate 1 and is provided approximately midway its length with a depression 5 of sufficient width to receive the bottom edge of the door 6 and rendered of sufficient depth to firmly and positively hold said door upon both sides thereof by means of the side walls provided as shown in Fig. 1. Said inclined clamping plate 4 leads to one wall of the depression which wall is lower than the other wall of the depression, so that as the door moves over the inclined clamping plate 4 and depression 5, it will abut against that portion of the higher wall which projects above the wall to which the inclined portion leads so that the door will be positively stopped, whereby the base-plate will spring upwardly and its depression receive the door. Extending horizontally from said deeper side and normally arranged in parallel relation with the base plate is the foot plate 7 having its end 8 slightly curved downwardly so that the outwardly projecting end of said plate will not readily engage the sole of a shoe or any portions of wearing apparel that may come into engagement therewith. I desire to lay great stress upon the formation of the foot plate as the form illustrated in the drawings renders my device more practicable and efficient than would otherwise be the case and at the same time adds nothing to its cost of manufacture.

Immediately below the foot plate 7 and near the deeper side of the depression 5 is a block, or abutment member 9 which is disposed beneath said plate to act as a stop so as to prevent the lower surface of the depression 5 from being forced into engagement with the base plate 1 when the door is to be released thus preventing said depression from being bent out of shape and consequently rendered inefficient. This is another feature of my invention which is desired to be emphasized.

The operation of my device will be readily apparent from the foregoing. It will be seen that when the door 6 is swung open it will pass over the surface of the clamping plate 4 as shown in dotted lines in Fig. 1. Coming in contact with the plate 4 it will gradually force said plate downwardly until it registers with the depression 5. The spring action will cause the depression to bear against the bottom edge and sides of the door as illustrated, thus locking said door securely in position until the same is released by the pressure of the foot upon the plate 7 or end 8.

I desire it to be understood that slight changes in the construction and in the arrangement of the several parts may be resorted to at will without departing from the spirit of my invention provided such changes fall within the scope of the appended claims.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent is:

1. A door holder comprising a base plate, a clamping plate formed integral with said base plate and arranged in an acute angle thereto, a depression provided at the extremity of said clamping plate, the bottom of said depression normally lying parallel with said base plate, a foot plate extending from said depression normally lying parallel with said base plate, and an abutment member disposed between said foot plate and said base plate.

2. A door holder comprising a single strip of metal bent upon itself approximately intermediate its ends, a base plate formed by bending said strip, securing means passing through the free end of said base plate, a clamping plate formed by bending said strip, said clamping plate extending upwardly at an acute angle to said base plate, a depression formed at the extremity of said clamping plate, the rear vertical wall of said depression arranged in parallel relation with the front wall and of a greater height, the bottom of said depression normally lying parallel with said base plate, a foot plate extending from the rear wall of said depression, and normally lying parallel with said base plate, the outer end of said foot plate being curved downwardly, and an abutment member disposed between said foot plate and said base plate.

MELVILLE FATHERREE, JR.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."