

(No Model.)

B. GENAUST.
AUTOMATIC DOOR OPENER.

No. 559,448.

Patented May 5, 1896.

Fig. 1.

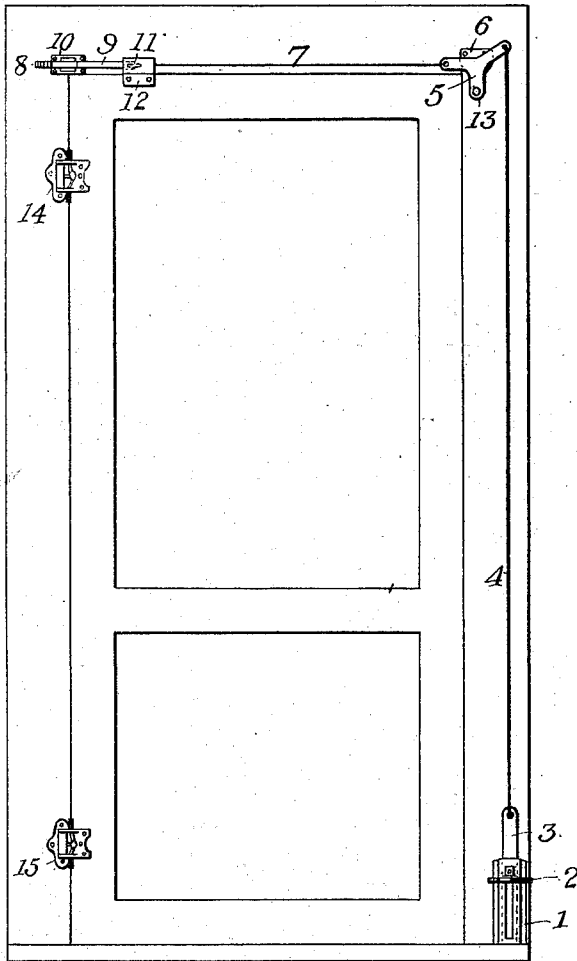


Fig. 2.

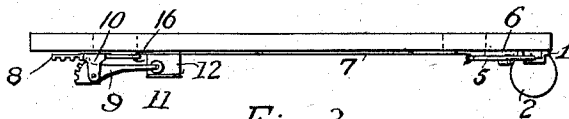


Fig. 3.

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AUTOMATIC DOOR-OPENER.

SPECIFICATION forming part of Letters Patent No. 559,448, dated May 5, 1896.

Application filed June 8, 1895. Serial No. 552,190. (No model.)

To all whom it may concern:

Be it known that I, BERNARD GENAUST, a citizen of the United States, residing at Effingham, in the county of Effingham and State of Illinois, have invented a certain new and useful Improvement in Automatic Door-Openers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to all kinds of doors, but especially to screen-doors, and my object is to open the door with the pressure of the foot in case the hands are otherwise engaged. To this end my invention consists in a peculiar mechanism and combination of parts more fully described hereinafter, and embodied in the claim.

In the accompanying drawings, Figure 1 represents a front elevation of my complete invention as applied to an ordinary screen-door; Fig. 2, a side view, and Fig. 3 a top view, thereof.

The reference-numeral 1 is a guideway secured to the front lower corner of the door-casing.

2 is a foot-piece riveted to slide-bar 3 and sliding in said guideway. The wire 4 connects slide-bar 3 to lever 5, pivoted on plate 6 at 13. Said plate is secured to the front upper corner of the door-casing. Wire 7 connects said lever 5 to rack-bar 8 at 16.

10 is a bracket secured to the rear upper corner of the door-casing. In said bracket is pivoted gear-lever 9, geared to rack-bar 8. On the end of said gear-lever is pivoted anti-friction-roller 11, bearing against angle-plate 12, which is secured to the rear upper corner of the door.

14 and 15 are spring-hinges commonly used on screen-doors.

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

In an automatic door-opener, the combination of a foot-piece sliding in a guideway secured to the front lower corner of a door-casing; a lever pivoted on a plate secured at the front upper corner of the same; a bracket at the rear upper corner of the casing; a rack-bar sliding in said bracket; wires connecting the said slide-bar, lever and rack-bar; a lever pivoted in the bracket, and geared to the rack-bar; an anti-friction-roller carried by the gear-lever, and a bearing at the top of the door for said gear-lever, all substantially as described.

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Witnesses:

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