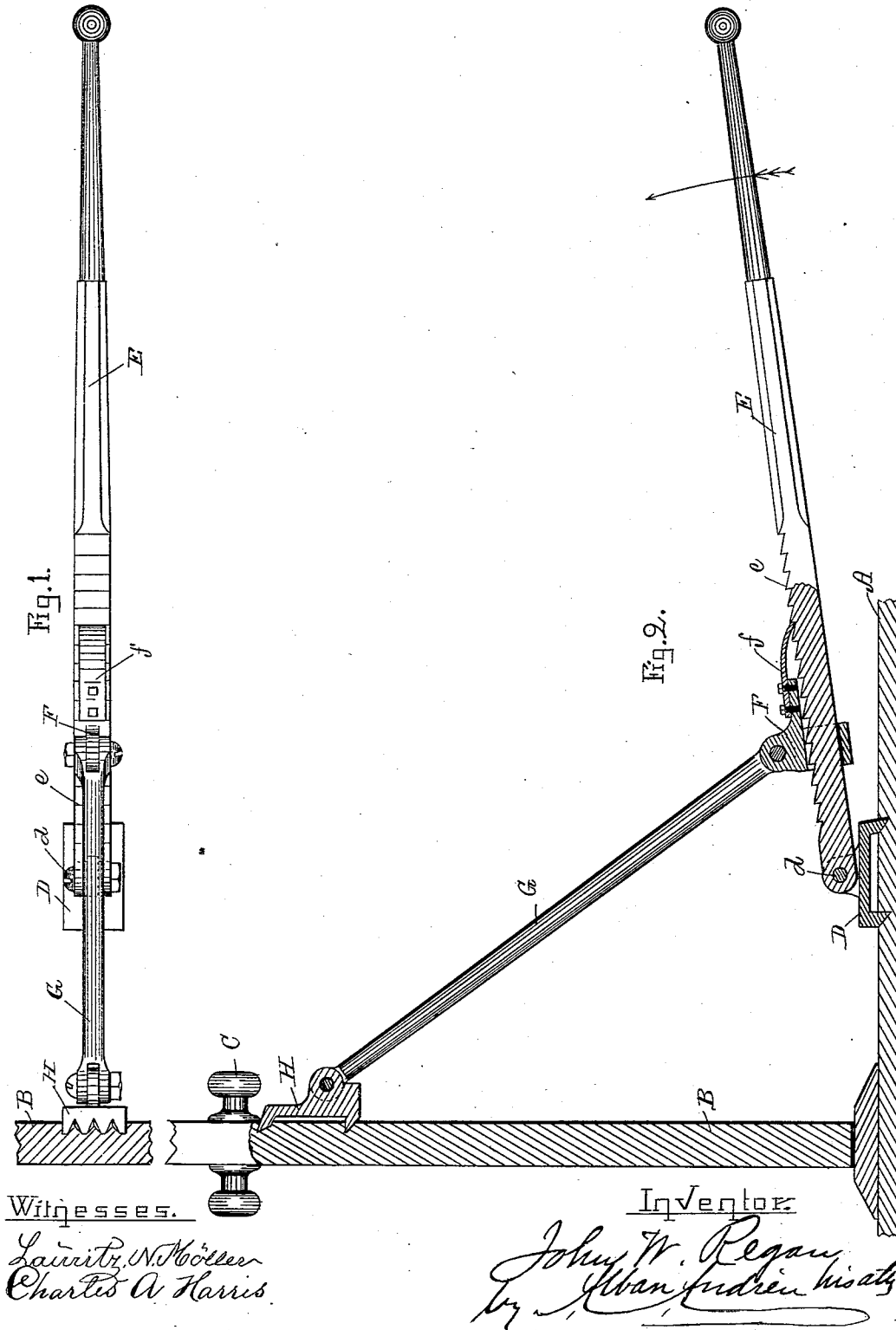


(No Model.)

J. W. REGAN.  
DOOR OPENER.

No. 569,056.

Patented Oct. 6, 1896.



# UNITED STATES PATENT OFFICE.

JOHN W. REGAN, OF BOSTON, MASSACHUSETTS.

## DOOR-OPENER.

SPECIFICATION forming part of Letters Patent No. 569,056, dated October 6, 1896.

Application filed April 25, 1896. Serial No. 589,018. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN W. REGAN, a citizen of the United States, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Door-Openers, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to improvements in door-openers adapted for use by firemen in forcing doors in case of fire, and it is carried out as follows, reference being had to the accompanying drawings, wherein—

Figure 1 represents a top plan view of the invention, and Fig. 2 represents a vertical section and partial elevation showing the device in position for forcing a door.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

In the drawings, A represents the floor of a room or building, and B represents a door, as usual.

C represents the door-knob or equivalent projection on said door.

The improved forcing device consists of a pronged pawl or block D, adapted to be temporarily driven into and secured to the floor A, as shown. To said pronged pawl is pivoted at *d* the handspike or lever E, and on such lever is adjustable the sliding block F, to which is pivoted the rod G, the upper end of which is pivoted to a pronged pawl or block H, adapted to be temporarily driven into and secured to the door B, as shown.

In using the device for the purpose stated the pronged block H is preferably located below and in contact with the door-knob or projection C, as shown in Fig. 2.

The upper end of the lever E has a toothed or serrated surface *e*, adapted to engage with

a preferably spring-pressed pawl *f*, as shown in the drawings, by means of which the sliding block F may be held and secured in any desired position on the lever E, as shown. 45

In using the device the upper pronged block H is driven into the door B, preferably below the door-knob or projection C, and the pronged block D is driven into the floor A, as shown. The sliding block F is adjusted on the lever E to obtain the proper and desired leverage, and secured to said lever by means of the pawl *f*, after which the lever E is swung upward in the direction of the arrow shown in Fig. 2, thus causing the rod G and its attachments to force the door open in an emergency in case of fire or for other purposes where it is required to quickly force a door. 55

The invention is very simple, light, and portable, and is very useful for firemen whenever it is required to force a door open. 60

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

The described door-opener, comprising a lever E having a toothed portion *e*, a block D pivoted to the lower end of said lever and having prongs to engage the floor, a rod G, a block F pivoted to one end of said rod and adjustable longitudinally on the lever E, a spring-pawl *f* on said block and adapted to engage the teeth, a block H pivoted to the other end of said rod and provided with prongs to engage the door, substantially as described. 65 70

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 18th day of April, A. D. 1896. 75

JOHN W. REGAN.

Witnesses:

ALBAN ANDRÉN,  
THOMAS J. HINES.