

(No Model.)

2 Sheets—Sheet 1

P. POLLARD.
BOLT RELEASING DEVICE.

No. 471,429.

Patented Mar. 22, 1892.

Fig. 1.

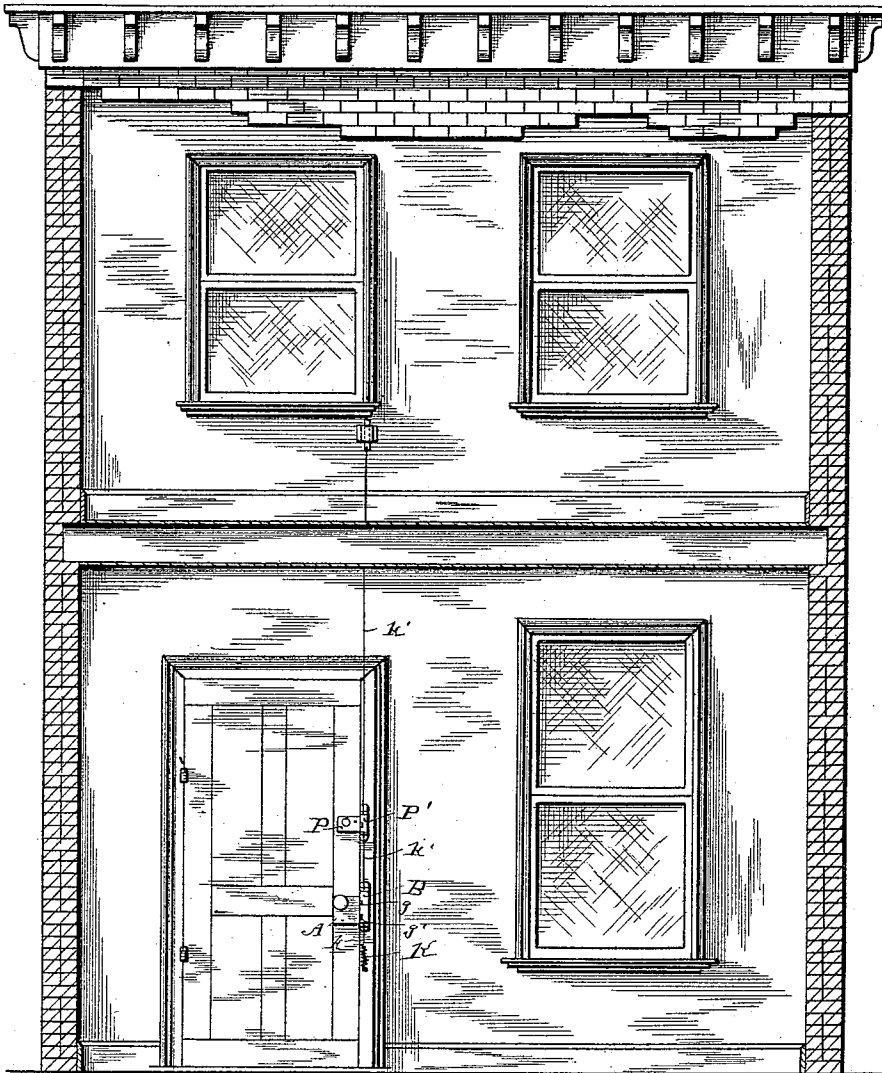
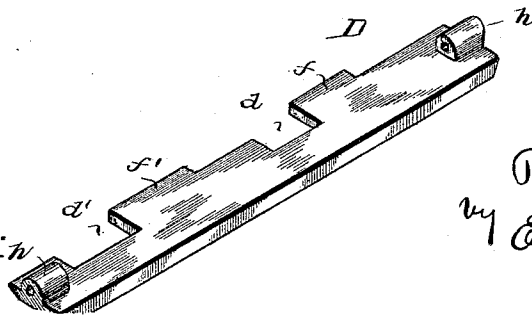


Fig. 2.



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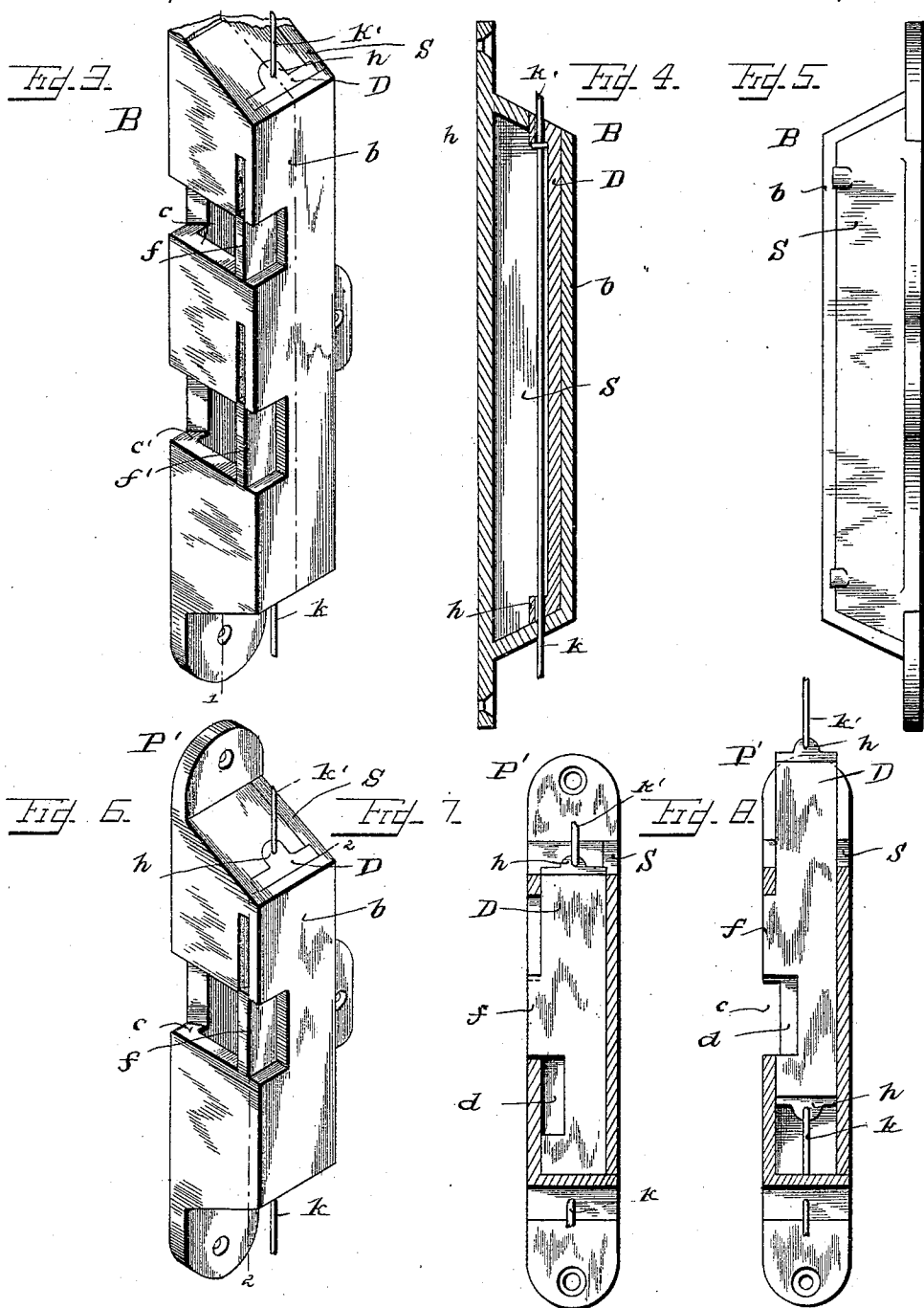
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2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

PAXTON POLLARD, OF NORFOLK, VIRGINIA.

BOLT-RELEASING DEVICE.

SPECIFICATION forming part of Letters Patent No. 471,429, dated March 22, 1892.

Application filed December 14, 1891. Serial No. 415,039. (No model.)

To all whom it may concern:

Be it known that I, PAXTON POLLARD, a citizen of the United States, and a resident of Norfolk, in the county of Norfolk and State of Virginia, have invented certain new and useful Improvements in Means for Unfastening Doors; and I do 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.

Figure 1 of the drawings is a representation of the invention applied. Fig. 2 is a detail perspective view of the locking and releasing plate or slide. Fig. 3 is a perspective view of the invention. Fig. 4 is a section on the line 1 1, Fig. 3. Fig. 5 is a side view. Fig. 6 is a perspective view of a modified form. Fig. 7 is a section on the line 2 2, Fig. 6, with the parts in locking position; and Fig. 8 is a sectional view showing the parts in releasing position.

This invention has relation to means for unfastening doors, the object being to provide a device independent of the knob and lock roll-back, whereby the latch or lock-bolt, or both, may be released from the keeper from any desired part of the building; and it consists in the novel construction and combination of parts, as hereinafter specified.

In the accompanying drawings, the letter A designates an ordinary latch and lock applied to the inner face of the door, and B is a keeper secured to the door post or jamb. The front or strike plate *b* of this keeper has the angular notches or recesses *c'* on its forward edge, which permit the passage therethrough into the keeper of the latch *g* and bolt *g'*. Arranged to slide vertically in this keeper in guides *d*, formed therein, is a plate D, having on its forward edge projections *f f'*, which normally and respectively lie in front of the slots *c c'* and are separated from each other by notches *d d'*. On the rear face of this plate, near its upper and lower extremities, are vertically-perforated lugs *h*. These lugs may have a convex surface and bear in the concavities *h*, thus lessening friction; or these lugs may be omitted and apertures or eyes be

formed at the upper and lower extremities of the plate. When the door is closed, the latch will pass through the slot *c'*, and being thrown back by contact with the plate D will pass thereunder, where it would normally be held until the knob it turned to withdraw it. When the bolt is shot, it will also enter the keeper beneath this plate. To the aperture or lug at the lower extremity of the said plate is connected one end of a wire or other flexible medium *k*, the other end of which is connected to a spring K. To the upper extremity of the plate is attached a second wire, or other similar medium *k'*, which may extend through the ceiling to the top of the building or to any desired place. When this wire is tightened or drawn up, the plate D will be slid vertically in the keeper, bringing the notches *d d'*, respectively, in alignment with the notches *c c'* of the keeper, so that the door may be opened, the bolt and latch escaping through said aligned notches. When the tension of the wire is released, the spring will return the plate to its former position, ready to again effect a lock.

In the drawings I have shown my device applied to a door, which is also provided with a night-latch P. The keeper P' for this latch may be similar to that described, with the exception that it is provided with only a single notch *p* for the latch-bolt, the plate therein having only one corresponding projection, the wire *k'* having a connection with this plate, as shown, so that it will be liberated to release the night-latch and at the same time the latch *g* and the bolt *g'*. It will therefore be seen that a door may be unlocked from any part of the building it may be desired, depending upon the location of the wire.

The side plate S of the keeper may be cast removably from the other portions thereof, as shown, if desired.

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

1. The combination, with a latch or lock, of a keeper therefor having its strike-plate notched or recessed and a plate therein and adapted to slide vertically, said plate having projections thereon arranged to normally close the notches or recesses in said strike-plate, and cut-away portions adapted to align with

said notches or recesses when the plate is actuated, and a flexible connection with one end of said plate and a spring, and a wire or cord connected to the other extremity and led to
5 any desired position in the building, substantially as specified.

2. The combination, with the keeper the strike-plate of which has the angular notches or recesses *c c'* in its forward edge, of the plate
10 D, capable of a vertically-sliding movement in said keeper, the projections *ff'* on said plate, normally in front of and closing the recesses *c c'*, and the notches *d d'*, separating said projections, and means for actuating said plate,
15 substantially as specified.

3. The combination, with the latch and lock

having its keeper recessed at *c c'* and the vertically-sliding plate therein having the projections *ff'*, separated by notches *d d'*, of the
night-latch having the keeper recessed at *h*,
20 the plate sliding vertically therein and having a projection normally in front of said notch, and a recess below said projections, the flexible connection between the plates in the two keepers, the operating-wire, and the re-
25 tracting-spring, substantially as specified.

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

PAXTON POLLARD.

Witnesses:

PHILIP C. MASI,
SAMUEL KER.