No. 644,243. Patented Feb. 27, 1900.

P. B. CORNICK.

BURGLAR ALARM.

(Application filed Sept. 5, 1899.)

(No Model.)

Fig. 1.

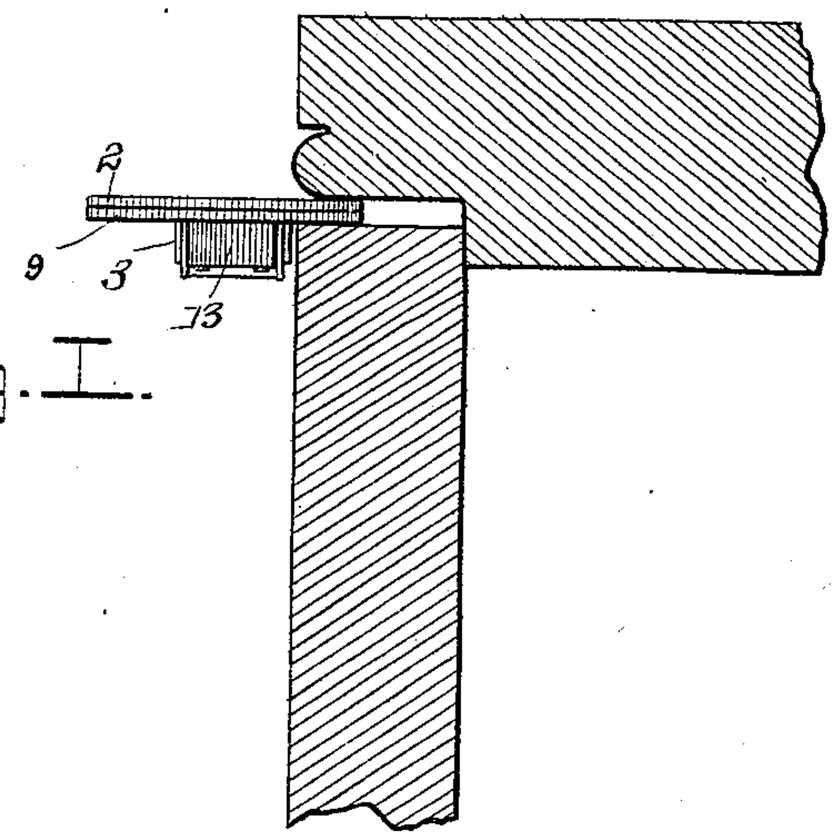


Fig. 4.

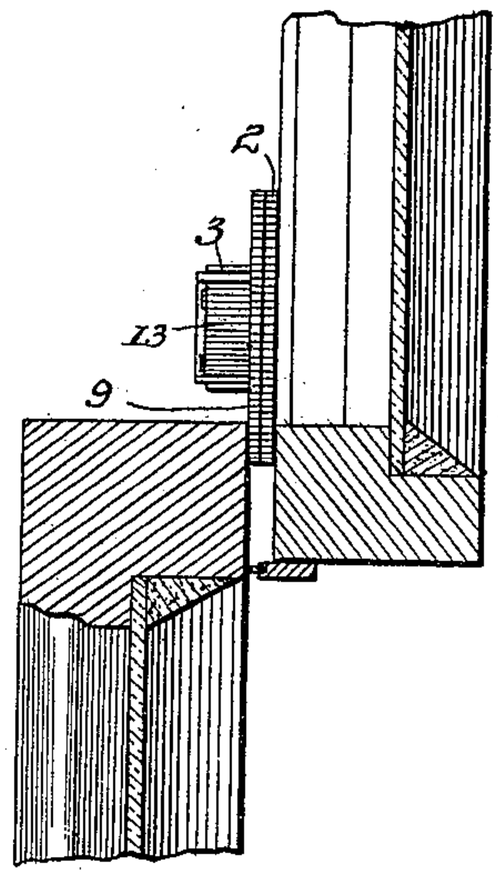


Fig. 2.

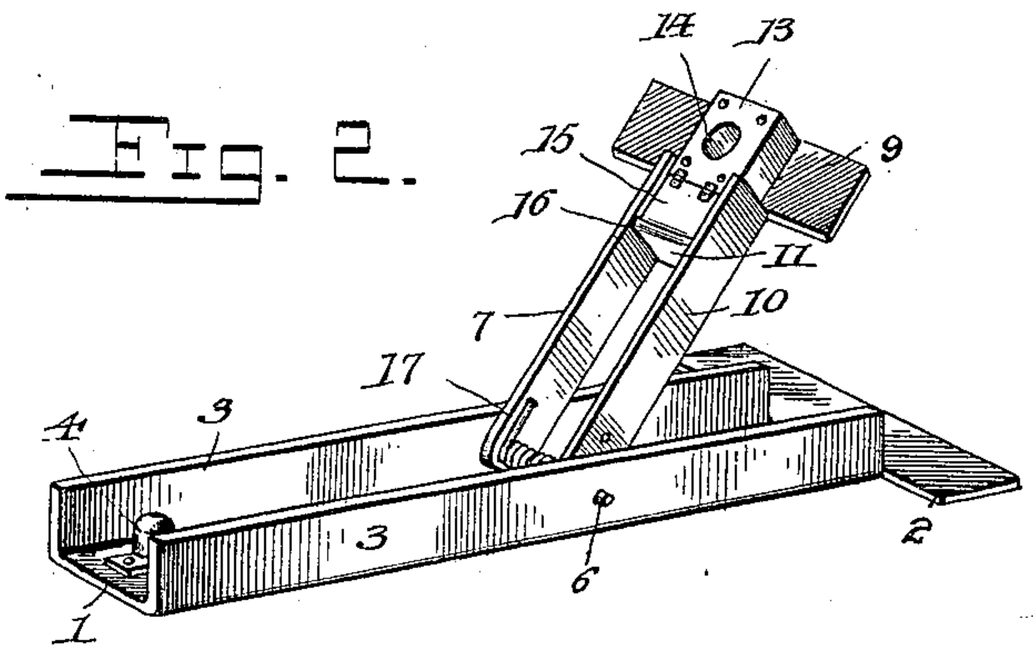
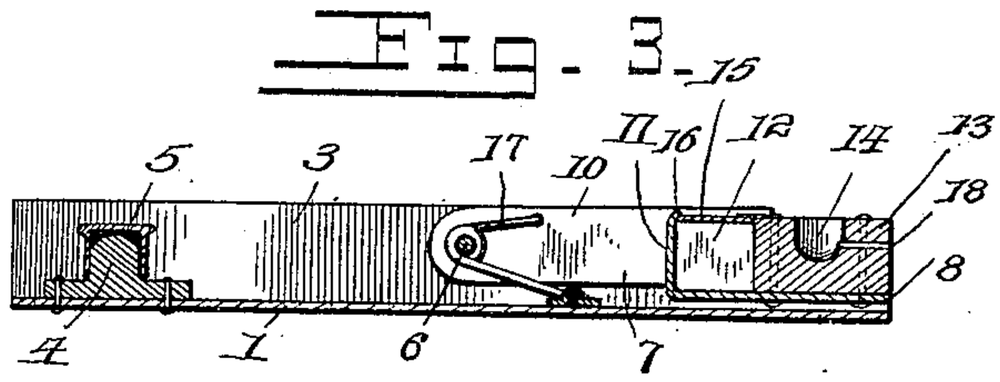


Fig. 3.



Witnesscs
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UNITED STATES PATENT OFFICE.

PHILIP BARSANA CORNICK, OF GENITO, VIRGINIA.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 644,243, dated February 27, 1900.

Application filed September 5, 1899. Serial No. 729,486. (No model.)

To all whom it may concern:

Be it known that I, PHILIP BARSANA CORNICK, a citizen of the United States, residing at Genito, in the county of Powhatan and State of Virginia, have invented a new and useful Burglar-Alarm, of which the following is a specification.

My invention relates to burglar-alarms, and more particularly to a comparatively-diminutive device of this general class adapted to be carried in the pocket, for instance, and to be quickly applied for use in connection with a door, window, or other movable closure and without the necessity for the employment of special securing means.

The object of the invention is to produce a simple, inexpensive, and effective portable burglar-alarm comprising a plate provided with a nipple or other device for the retention of a percussion-cap and having a spring-actuated hammer retained in opposition to the spring by the contiguous faces of two relatively-movable parts—as, for instance, a door and its jamb or two window-sashes—between which are clamped corresponding ears carried by the plate and hammer and designed when released by the opening of the door or window to permit the hammer to be presented with violence to the percussion-cap for the purpose of sounding an alarm.

Various other objects of the invention will appear hereinafter as the necessity for their accomplishment is developed in the succeeding description.

Referring to the drawings, Figure 1 is a sectional view through a portion of a door-jamb and door, illustrating the application of my alarm. Fig. 2 is a perspective view of my device complete, the hammer being shown in its elevated position. Fig. 3 is a central longitudinal vertical section through the subject-matter of Fig. 2 with the hammer drawn back, and Fig. 4 is a vertical sectional view through the contiguous edges of lower and upper window-sashes with my alarm applied as in use.

Referring to the numerals of reference indicating corresponding parts in the several views, 1 indicates the base-plate of my burglar-alarm, provided at one extremity with oppositely-extending transverse retaining-lips 2, located in the plane of the plate 1, which latter is also provided with upturned parallel side flanges 3, extending from the lips 2 to the opposite end of the plate.

4 indicates a nipple or anvil mounted upon the plate 1 adjacent to one end and designed for the reception of a percussion-cap 5. Between the flanges 3 at a point intermediate of their ends is mounted a transverse shaft 6 for the pivotal support of a hammer 7, comprising a plate 8, having lateral flat lips 9, correlative with the lips 2, and side flanges 10, constituting the side bars of the hammer and apertured to receive the shaft 6. The end of the plate 8 nearest the shaft is turned up at right angles to the plane of the plate and defines the spring-wall 11 of a cap-box 12, the opposite wall of which is defined by the contiguous face of the hammer-block 13, bolted or otherwise secured to the plate 8 and provided in one face with a concavity 14, designed when the hammer is thrown down in a manner to be described to receive the nipple. The side walls of the cap-box 12 are defined by the flanges 10, and it is provided with a cover 15, hinged at the upper edge of the hammer-block and designed to snap under the bent upper edge 16 of the spring-wall 11.

17 indicates a spring wound upon the shaft 6 and connected to the side bars and plate 1, respectively, in a manner to constantly urge the hammer in the direction to present the hammer-block to the percussion-cap carried by the nipple 4.

In use a cap is placed upon the nipple 4 and the hammer is drawn or swung back against the resistance of the spring 17 until the lips 9 are in opposition to the lips 2. The opposed lips at either side of the device are now slipped between the edge of the door and the contiguous face of the jamb or the contiguous faces of the opposed rails of two window-sashes. In this manner the hammer will be retained in its retracted position until the opposed faces of the retaining elements are moved out of contiguity by the opening of the door or by the raising or lowering of one of the window-sashes, which will obviously effect the release of the lips 9 and 2 and will permit the spring 17 to swing the hammer and cause the violent contact of the hammer-block with the cap.

If desired, blank cartridges may be employed in lieu of the percussion-cap, in which

event the cartridge is retained within the concavity 14 in the hammer-block, and in order to lessen the violence of the explosion vent-openings 18 are drilled through the hammer-block to the concavity.

From the foregoing it will be observed that I have invented a simple, inexpensive, and effective burglar-alarm small enough to be carried in the pocket and arranged to be quickly applied to announce the opening of a door or window; but while the embodiment of my invention illustrated and described appears at this time to be preferable I desire to be understood as reserving the right to effect such structural variations as may be comprehended within the scope of the protection prayed.

What I claim is—

1. A portable burglar-alarm comprising a body-plate having a nipple, a spring-actuated pivoted hammer and laterally-extending retaining-lips upon the hammer and base-plate respectively and adapted to lie one upon the other for reversible application between a door and its jamb.

2. A portable burglar-alarm comprising a base-plate having parallel side flanges and oppositely-extending transverse retaining-lips, a hammer comprising a plate having parallel side flanges extended beyond its end and oppositely-extending transverse retaining-lips, a shaft extending between the flanges of the base-plate and through the flanges of the hammer, a spring coiled upon said shaft and operatively connected with the hammer and base-plate respectively, and a nipple and hammer-block supported respectively by the base-plate and hammer.

3. In a portable burglar-alarm, the combination with a base-plate, of a hammer pivotally carried by the base-plate and composed of a plate having transversely-extended retaining-lips, parallel side flanges, a spring end bent up between the side flanges, a hammer-block, and a cover hinged to the hammer-block and engaging the spring end of the plate.

4. In a portable burglar-alarm, the combination with a base-plate provided at one end with oppositely-extending retaining-lips, at its opposite end with a nipple and along its sides with parallel flanges, of a hammer comprising a plate having transversely-extending retaining-lips at one end, parallel flanges along its sides, and an upturned spring end having a bent edge, a hammer-block secured to the plate and provided with a cavity and vent-openings leading thereto, a cover hinged to the hammer-block and engaging the bent edge of the spring end of the plate, a shaft passed through the side flanges of the hammer and base-plate respectively, and a spring coiled around the shaft and connected with the hammer and base-plate in a manner to constantly urge the former in the direction of the nipple.

5. A portable burglar-alarm comprising a base-plate having its sides throughout a portion of its length bent upwardly at right angles to lie parallel, unbent portions forming outwardly and oppositely extending lips, a nipple upon the base-plate, a hammer pivoted between the upbent sides of the plate and having oppositely-extending lips adapted to lie upon the first-named lips, and a spring adapted to move the hammer to engage it with the nipple.

6. A portable burglar-alarm comprising a base-plate having its sides throughout a portion of its length bent upwardly at right angles to lie parallel, unbent portions forming outwardly and oppositely extending lips, a hammer consisting of a plate having its sides bent upwardly and parallel throughout a portion of its length and continued beyond the body of the plate and pivoted to the sides of the base-plate, the unbent portion of the hammer-plate forming oppositely-extending lips adapted to lie against the first-named lips, a nipple upon the base-plate, a hammer-block upon the hammer, and a spring adapted to move the hammer to engage the block with the nipple.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

PHILIP BARSANA CORNICK.

Witnesses:
L. W. REAMS,
JOS. P. SADLER.