

(No Model.)

I. BROOKE.

SASH FASTENER AND BURGLAR ALARM.

No. 251,026.

Patented Dec. 20, 1881.

Fig. 1.

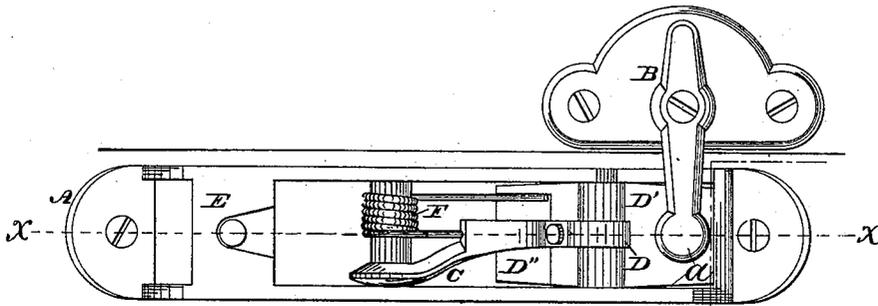


Fig. 2.

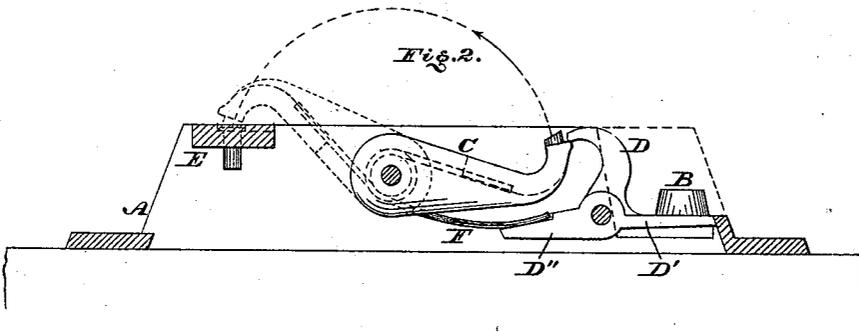
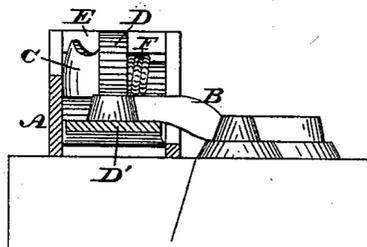


Fig. 3.



WITNESSES:

L. P. Grant
W. F. Kircher

INVENTOR:

Isaac Brooke
BY *John D. Diersheim* ATTORNEY.

UNITED STATES PATENT OFFICE.

ISAAC BROOKE, OF ROYER'S FORD, PENNSYLVANIA.

SASH-FASTENER AND BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 251,026, dated December 20, 1881.

Application filed July 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, ISAAC BROOKE, a citizen of the United States, residing at Royer's Ford, in the county of Montgomery, State of Pennsylvania, have invented a new and useful Improvement in Door, Shutter, and Sash Fasteners and Alarms, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a top or plan view of the fastener and alarm embodying my invention. Fig. 2 is a longitudinal vertical section thereof on line *xx*, Fig. 1. Fig. 3 is a transverse vertical section thereof.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to combined sash-fasteners and burglar-alarms; and it consists in the construction and combination of parts hereinafter set forth.

Referring to the drawings, A represents a box or casing, which is adapted to be firmly secured to the meeting-rail of the lower sash of a window, a door, shutter, &c.; but I will hereinafter describe the invention as applied to the sash.

B represents the pivoted lever or arm of a sash-fastener whose face-plate is connected to the meeting-rail of the upper sash, said arm having one end bent or raised, as at *a*.

To the casing A are pivoted a hammer, C, and a dog, D, and one end of the casing is formed with a bed or nipple, E, for holding a cartridge-cap, which is to be struck by the hammer C, the motion of the latter being shown by the dotted lines, Fig. 2. The dog D has its axis parallel with the axis of the hammer C, and is so disposed that when the hammer is thrown back its outer end may be engaged by the nose of the dog. The dog has formed with it, on its under side, a horizontally-extending wing, D', which, when the parts are in operative position, is overhung by the arm B of the sash-fastener and a bearing, D'', for one end of a spring, F, whose other end is connected to or in contact with the hammer C, the object

of the spring being to forcibly discharge the hammer.

The alarm is set by throwing back the hammer C and engaging the dog D with it. The arm B of the sash-fastening is then turned or moved so that its end *a* extends over the wing D' of the dog.

It will be noticed that, while the spring F serves to discharge the hammer when released, it also bears against the dog D and forces it against the hammer, so that the latter is properly held; but the pressure of the spring is limited by the arm B, which bears against the wing of the dog, and thus controls the dog, all parts thus remaining in their proper operative positions.

When attempts are made to open the window, either by raising the lower sash or lowering the upper sash, the pressure of the arm B of the fastener on the wing of the dog forces down said wing and throws the nose of the dog from the end of the hammer, whereby the latter, being free, is sprung and forcibly strikes the cap or cartridge, the discharge whereof is an alarm. Should further attempts be made to lower or raise the sashes, the lever B, bearing against the casing A, resists the effort, similar to sash-fasteners in use.

When the window is to be opened the arm B may be turned clear of the casing A, the springing of the hammer being restrained by hand.

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

The pivoted dog D, provided with wing D' and bearing D'', in combination with hammer C, spring F, which bears against said hammer and said bearing, and sash-fastener B, which is arranged to trip said dog and lock the sash, substantially as set forth.

ISAAC BROOKE.

Witnesses:

JOHN A. WIEDERSHEIM,
F. COOPER.