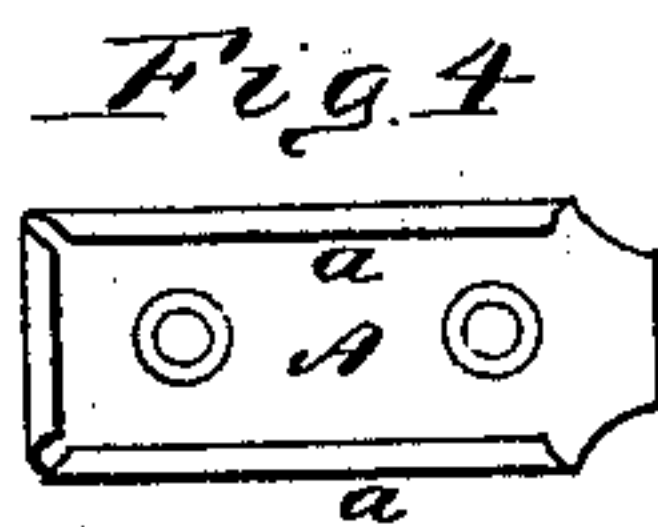
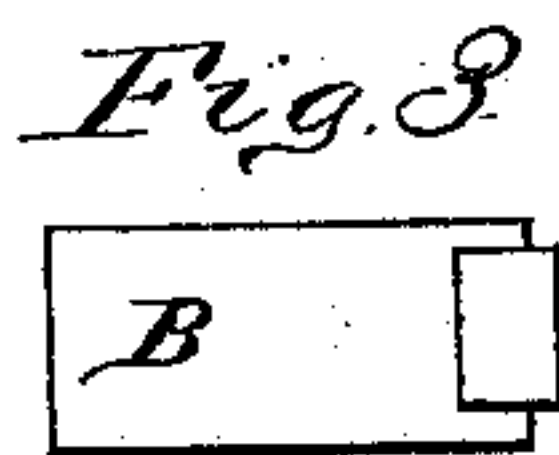
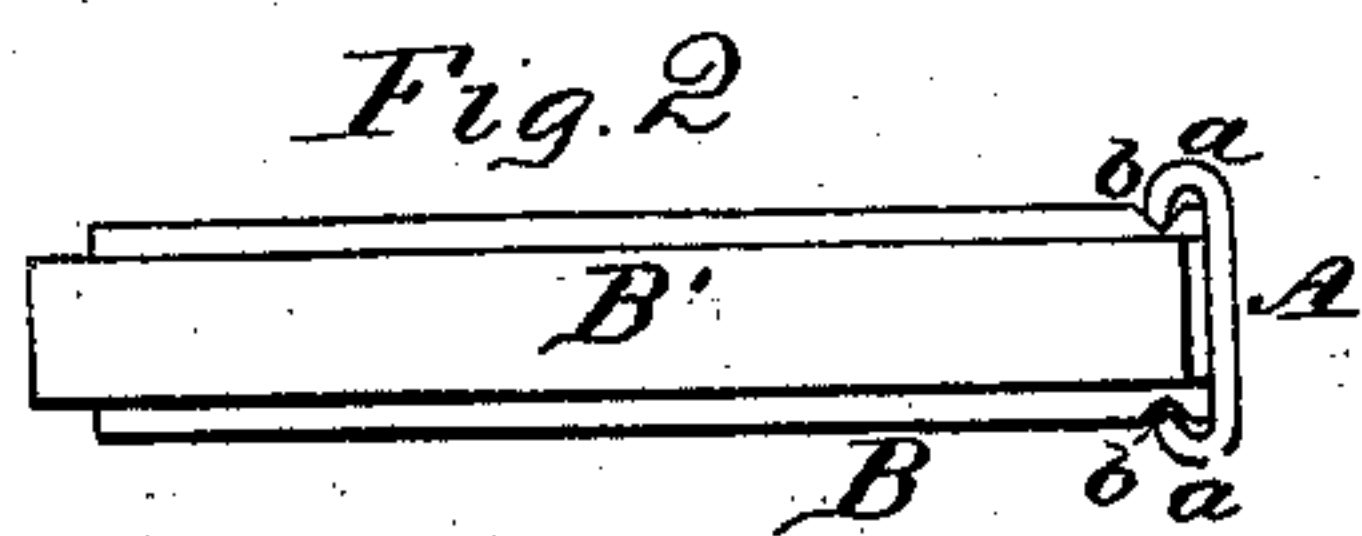
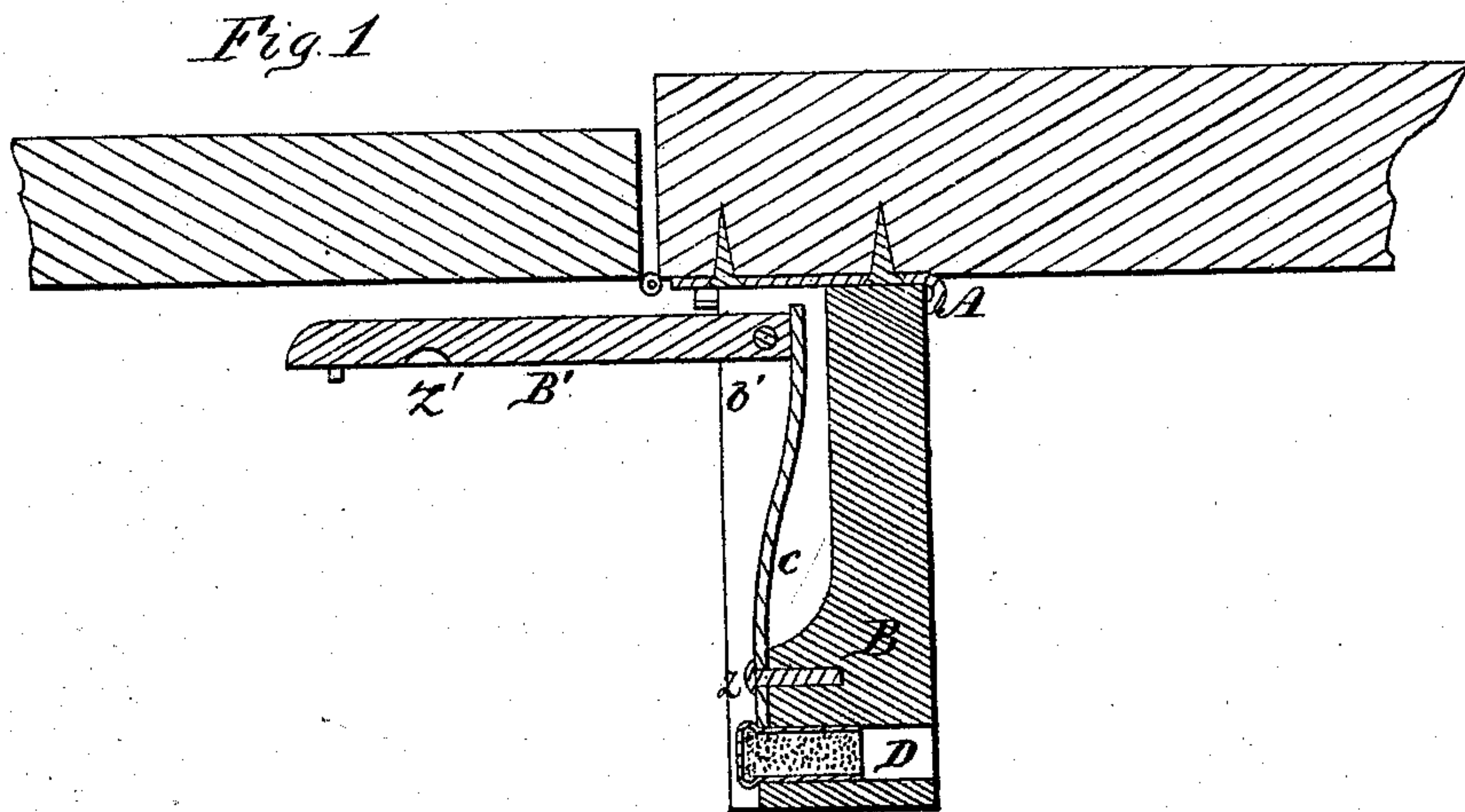


W. H. REIFF.
Burglar-Alarms.

No. 150,712.

Patented May 12, 1874.



WITNESSES

J. B. Connolly
A. C. Cassell.

By

William H. Reiff
Connolly Bros. Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM H. REIFF, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF HIS RIGHT TO OSBORN CONRAD, OF SAME PLACE.

IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. **150,712**, dated May 12, 1874; application filed
December 3, 1873.

To all whom it may concern:

Be it known that I, WILLIAM H. REIFF, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Burglar-Alarm; and I do hereby 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a horizontal sectional view of my invention. Fig. 2 is an end view. Fig. 3 is a side view. Fig. 4 is a detail view, and Fig. 5 is a detail view showing cartridge-recess in block and concave recess in end of spring.

This invention has for its object to provide a cheap, simple, and effective alarm of small size, which can be readily applied to bed-room doors, money-drawers, &c.

The nature of the invention consists in the peculiar construction of the device, as hereinafter fully described.

Referring to the accompanying drawing, A represents a metallic clip or bracket, to be screwed to the door, and designed to support the alarm when in position for operation. This clip has lips *a a*, which fit in grooves *b b* in the block B. This block B is recessed at *b'*, for the reception of a cock, B', which is actuated to strike by means of a strong spring, *c*. D represents a circular opening for the reception of a blank cartridge.

The operation is as follows: The clip A being screwed to the door-jamb, the block B is placed in such position that the cock B' will project, as shown, so as to be struck by the door when the latter is opened. When the device is thus located, should any one attempt to enter by opening the door, the cock will strike the cartridge, giving an effective alarm.

The compactness of this device will render it very desirable for travelers' use, as it can, without inconvenience, be carried in the pocket and readily applied to the chamber-door. It

can also be used to great advantage in households. The clip or plate A, having been once screwed on the door, may remain there undisturbed, the block B being applied every night and removed out of harm's way in the morning. The block is grooved, so that when the cock is down its back will be flush, or nearly so, with the edge of the block; rendering it more convenient for carriage in the pocket.

Among other peculiar and novel features of this invention, it will be observed, first, that the recess or bore D runs transversely instead of longitudinally with reference to the block B; hence the sound produced by the explosion of the cartridge is not deadened, nor is there any danger of the apparatus being wrenched from the door-frame—an accident very likely to occur when the bore runs toward the door-frame, especially where powerful cartridges are employed; second, that the screw *z*, by which the spring is secured to the block, has its head raised to avoid the weakening of the spring consequent upon the countersinking of said head; also, that the hammer has a recess, at *z'*, to receive the screw-head, and allow the hammer to fit snugly within the recess formed in the block B to receive it; fourth, that the plate A, while adapted to securely retain the block B in place, and effectually prevent it from falling or being accidentally displaced, forms, when said block is removed, no obstruction or troublesome projection endangering the safety of the clothing of persons passing in and out through the doorway.

What I claim as my invention is—

The combination of the block B, having the transverse recess or bore D, spring *c*, and pivoted hammer B', all constructed and arranged as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of December, 1873.

Witnesses:

WILLIAM H. REIFF.

M. DANL. CONNOLLY,

EUGÉNE P. EADSON.