

A. W. SPERRY.
Key-Fasteners.

No. 155,681.

Patented Oct. 6, 1874.

Fig: 1.

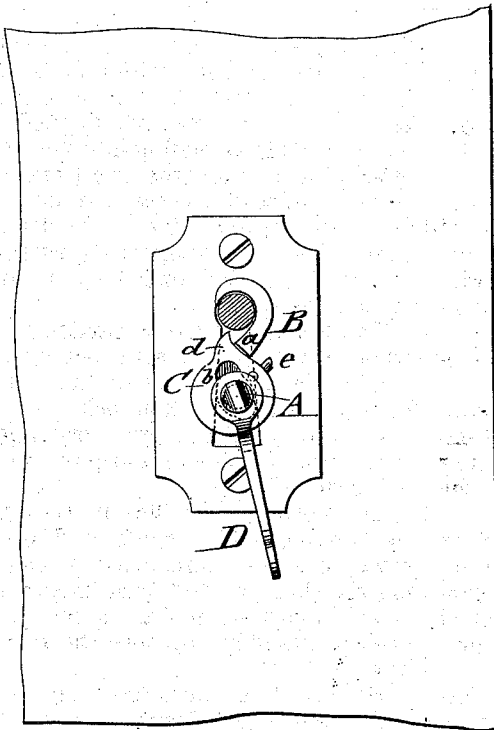


Fig: 2.

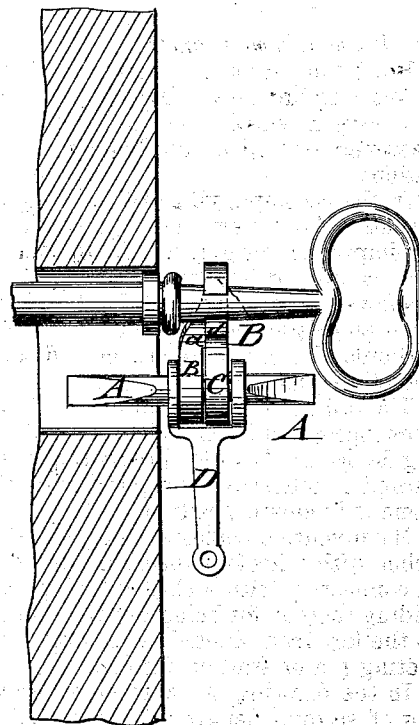
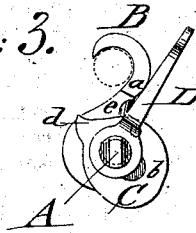


Fig: 3.



WITNESSES:

Chas. Nida
Chelquick

INVENTOR:

BY

A. W. Sperry
mmu
 ATTORNEYS.

UNITED STATES PATENT OFFICE.

ALFRED W. SPERRY, OF WALLINGFORD, CONNECTICUT.

IMPROVEMENT IN KEY-FASTENERS.

Specification forming part of Letters Patent No. **155,681**, dated October 6, 1874; application filed July 25, 1874.

To all whom it may concern:

Be it known that I, ALFRED W. SPERRY, of Wallingford, New Haven county, Connecticut, have invented a new and Improved Key-Fastener, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front view, and Fig. 2 a side view, of my improved burglar-proof key-fastening device as applied to a key in the lock; and Fig. 3 shows a front view of the key-fastener in open and detached position.

Similar letters of reference indicate corresponding parts.

The object of my invention is to furnish a neat, cheap, and conveniently-applied fastening device for keys for preventing their being turned or otherwise tampered with when the same is in closed position.

My invention consists of a pointed shaft or arbor with a hook-shaped part keyed thereto, in connection with a slotted and pointed cam sliding thereon for being opened and attached to the key by a pivoted lever acting on a projecting pin or stud of the cam.

In the drawing, A represents a shaft or arbor of suitable length with tapering ends, to be placed in the key-hole of the lock. The hook-shaped part B is keyed centrally to shaft A, and recessed sidewise along its shaft-embracing part, so as to form at the beginning of the hook part a shoulder, *a*. A cam-eccentric, C, slides, by an oval central slot, *b*, on the grooved shaft *a* along the recessed part of hook B, and acts by a hook-shaped extension-point, *d*, together with the hook B, on the stem of the key after being applied thereto. A forked lever, D, is pivoted to shaft A, embracing hook B and cam-eccentric C, and swinging readily in either direction on the shaft till engaging a pin or stud, *e*, of the cam-eccentric C near the hook-point when carried toward the rear part of the hook, and causing thereby the sliding down of cam C along shaft A, and the consequent opening or spreading of the hook-points.

By carrying the lever D in opposite direction, it comes in contact with the eccentric part of the cam C, and forces the same toward the hook B until its point *d* is arrested

by shoulder *b*. Hook B, as well as hook-point *d*, embraces in this position firmly the stem of the key, so that, when the bolt is completely thrown, and the fastener applied to the key, with the shaft extending into the key-hole, any attempt at turning the key from the outside, so as to release the same from the lock and allow the introduction of skeleton-keys or similar instruments is utterly frustrated by the firm wedge-gripe exerted by the hook-points on the key-stem.

The fastener is either carried in the pocket when traveling, and attached by an end perforation in the lever D to the key-ring, or is hung by a chain to each lock to be used as required, forming thereby a very ingenious, durable, and convenient burglar-proof key-fastening device.

The slotted cam slides in the circumferential groove of the shaft, and resists, by its steady position thereon, any attempts at pushing the shaft inward from the outside, which is an important point, as the gripe of the hook-points only prevents the turning of the key.

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

1. A burglar-proof key-fastener, consisting of central shaft A, fast hook part B, sliding, slotted, and pointed cam-eccentric C, and pivoted operating-lever D, all arranged and applied substantially as specified.

2. The slotted cam-eccentric C, having projecting stud *e*, in combination with pivoted forked lever D for being opened and closed, as described.

3. The recessed hook B, having projecting shoulder *a*, combined with sliding cam-eccentric C, having hook-point D for defining the closed position of hooks, as set forth.

4. The slotted cam-eccentric C, in combination with the circumferentially-grooved shaft A for securing firm position on key, and for preventing the inward pushing of the shaft from the outside, as set forth.

ALFRED W. SPERRY.

Witnesses:

C. SEDGWICK,
ALEX. F. ROBERTS.