

F. E. ALLEN.
Watch-Keys.

No. 156,471.

Patented Nov. 3, 1874.

FIG. 1.

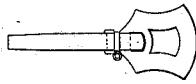


FIG. 2.

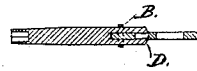


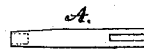
FIG. 3.



FIG. 4.



FIG. 5.



WITNESSES.

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FRANCIS E. ALLEN, OF KEENE, NEW HAMPSHIRE.

IMPROVEMENT IN WATCH-KEYS.

Specification forming part of Letters Patent No. **156,471**, dated November 3, 1874; application filed September 28, 1874.

To all whom it may concern:

Be it known that I, FRANCIS E. ALLEN, of Keene, in the county of Cheshire and State of New Hampshire, have invented certain Improvements in Watch-Keys, of which the following is a specification:

This invention pertains to the method of constructing watch-keys; and it consists in forming the parts separately, and uniting them without the use of solder or pins or screws, but in compressing them together, as will hereinafter appear.

Figure 1 is an outline of the key. Fig. 2 is a longitudinal section of the same. Fig. 3 is a plan of the burr or handle portion. Fig. 4 represents the suspending-ring; and Fig. 5 is the stem by itself and complete, or ready to be attached to the burr or thumb-nut.

The entire or completed key is shown at Fig. 1, a section of which is shown at Fig. 2. The burr or thumb-nut is shown at Fig. 3, and is stamped or punched out of sheet metal in the form shown at Fig. 3, with a wide or flat part to be grasped between the thumb and fingers for turning it, and it is formed with a projection to receive the end of the stem, shown at A, Fig. 5, and which is slotted to allow the plate at Fig. 3 to be inserted in the slot.

A ring for attaching the key to the guard

or chain, as shown at Fig. 4, is first sprung over the shoulders on the projection of the thumb-plate or burr, as at B, and then the end of the stem is forced through the said ring, Fig. 4, and the ends at the slotted end of the stem are then pressed together into the hole at C, so as to prevent them from being separated from the thumb-plate, as shown at Fig. 2 at D; and in this manner the three parts are united without the use of solder, pins, or screws, and, when so united, form a complete watch-key, and one of great durability, and at a small degree of expense.

The thumb-plate may also be used for receiving stamped impressions or characters, which may serve for the purposes of indicating ownership, or for advertising the maker's or dealer's name and address, as may be desired.

I therefore claim—

As a new article of manufacture, a watch-key formed of three parts—the thumb-piece, stem, and ring—united together by pressure only, as described.

FRANCIS E. ALLEN.

Witnesses:

WILLIAM W. PARKER,
HIRAM BLAKE.