

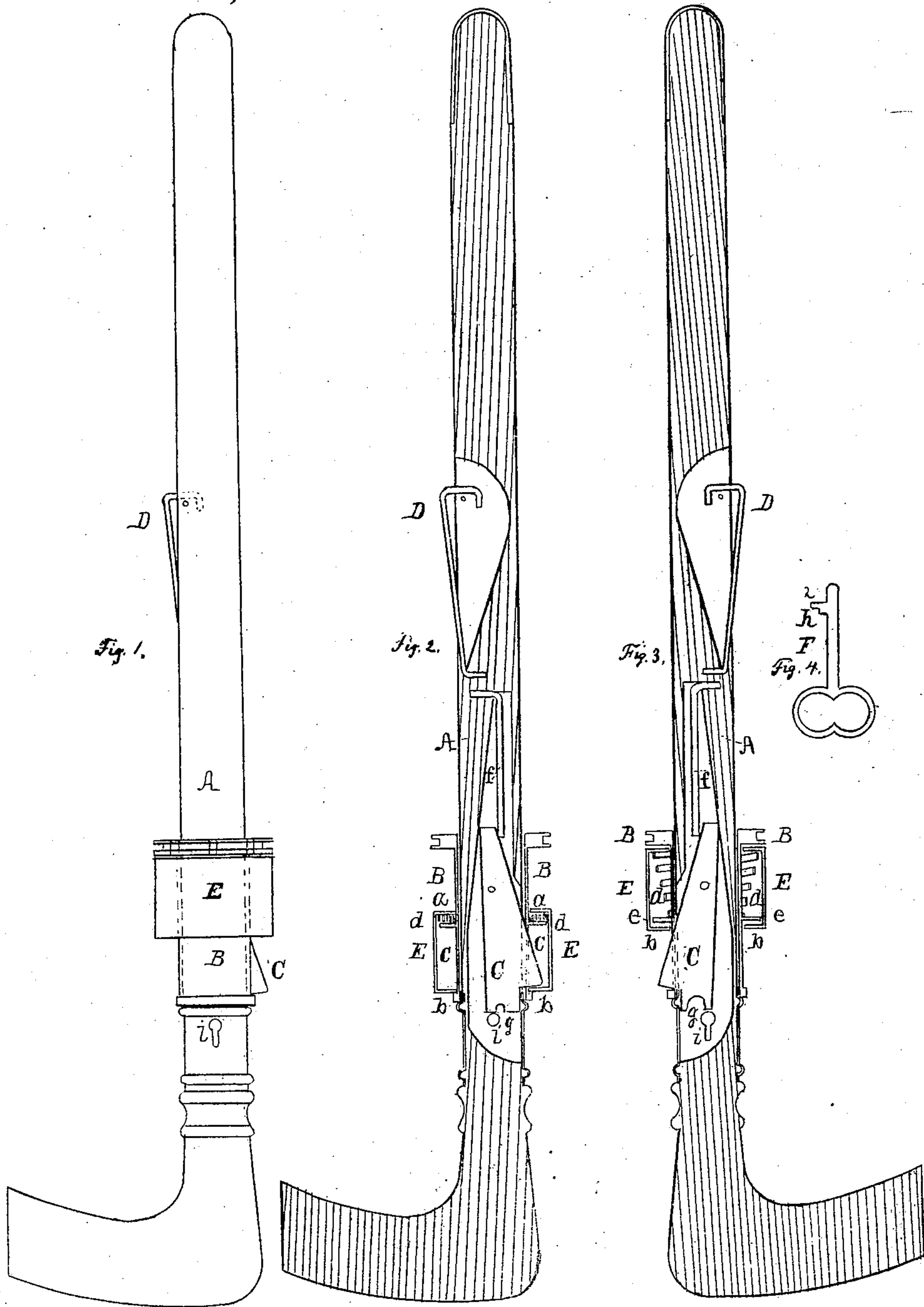
# H. T. Robbins, Umbrella Lock.

Patented Dec 22, 1868.

No 85132.

Geo. S. Mott  
H. Redgallon } Witnesses.

Horace T. Robbins, Inventor





HORACE T. ROBBINS, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 85,132, dated December 22, 1868; antedated December 16, 1868.

IMPROVEMENT IN LOCKING-DEVICE FOR UMBRELLAS.

The Schedule referred to in these Letters Patent and making part of the same.

To all persons to whom these presents shall come.

Be it known that I, HORACE T. ROBBINS, of Boston, in the county of Suffolk, and State of Massachusetts, have invented a new and useful Lock for Umbrellas; and I do hereby declare that the same is fully described in the following specifications and accompanying drawings, figures, and references thereof.

Of the said drawings—

Figure 1 denotes a side view of an umbrella-handle, having my lock applied to it, showing the position of the lock when the umbrella is closed.

Figure 2 is a longitudinal section of the same, showing the position of the lock when the umbrella is locked.

Figure 3 is a section, showing the position of the lock when the umbrella is not locked.

Figure 4 is a side view of the key.

Similar letters refer to like parts in the different drawings.

A is the handle.

B, the runner.

C, the catch which holds the runner in place when the umbrella is closed.

D, the catch which holds the runner in place when the umbrella is open.

It has long been a proverbial saying that there is no property in an umbrella, owing to the propensity that many people have, when they require one, of appropriating the first one they can lay their hands on. To prevent this, (in a great measure, at least, as few umbrellas are lost except when taken for immediate use,) I have originated the plan of locking them when left unguarded, so that they cannot be opened except by the owner, who has the key.

The nature of my invention consists in providing umbrellas with a lock, E, figs. 1, 2, 3, and key F, fig. 4.

The lock E is made in the form of a tube, having flanges *a* *b*, which form the chamber *c*.

Inside this chamber is a conical spring, *d*, one end of which presses against the flange *a*, in the lock E, the other end against the flange *e*, on the runner B, figs. 2, 3.

This spring serves to keep the lock E back from the

catch C, when the umbrella is closed, and not locked, as seen in figs. 1, 3.

When it is desired to lock the umbrella, it is done by sliding the lock E down over the catch C, so that the flange *b* passes down over the end of it, completely covering it, so it cannot be picked, and the spring *f* forces it up into the chamber *c*, as seen in fig. 2.

The catch C is made in two parts, for the purpose of diversity, and one end of each piece is made with wards *g*, as seen in figs. 2, 3, to suit the wards *h* in the key F, fig. 4, and they cannot be operated except by a key which exactly fits them.

When it is desired to unlock the umbrella, it is done by inserting the key F into the key-hole *i*, turning it, so as to depress the catch C, thereby releasing the flange *b* and the runner B from the catch C, and the spring *d* throws the lock E back into place, as seen in fig. 1; then the umbrella is ready to be opened.

The lock E may be made in various ways. The tube may be substituted by a bolt in the handle, to slide underneath the catch C, so that the catch cannot be depressed without first sliding the bolt out from under it by means of a key.

This bolt may be made in one or more pieces, having wards to fit the wards in the key, and the catch C may be made of one or more pieces of plate, or it may be made of wire, similar to the catch D; or the lock may be made of a tube, as described, located on the handle below the runner, to slide up over the catch when locked. But I prefer to make the lock so as to cover the catch C, to prevent it from being picked or broken when the umbrella is locked.

1. I claim the tube E, with or without the spring *d*, so arranged as to slide over and enclose the catch C, when the umbrella is locked, and to slide back from the catch when it is unlocked, substantially as described.

2. The arrangement of the runner B, the lock E, the catch C, the spring *a*, and key F.

HORACE T. ROBBINS.

Witnesses:

GEO. S. BOUTWELL,

H. EDGARTON.