

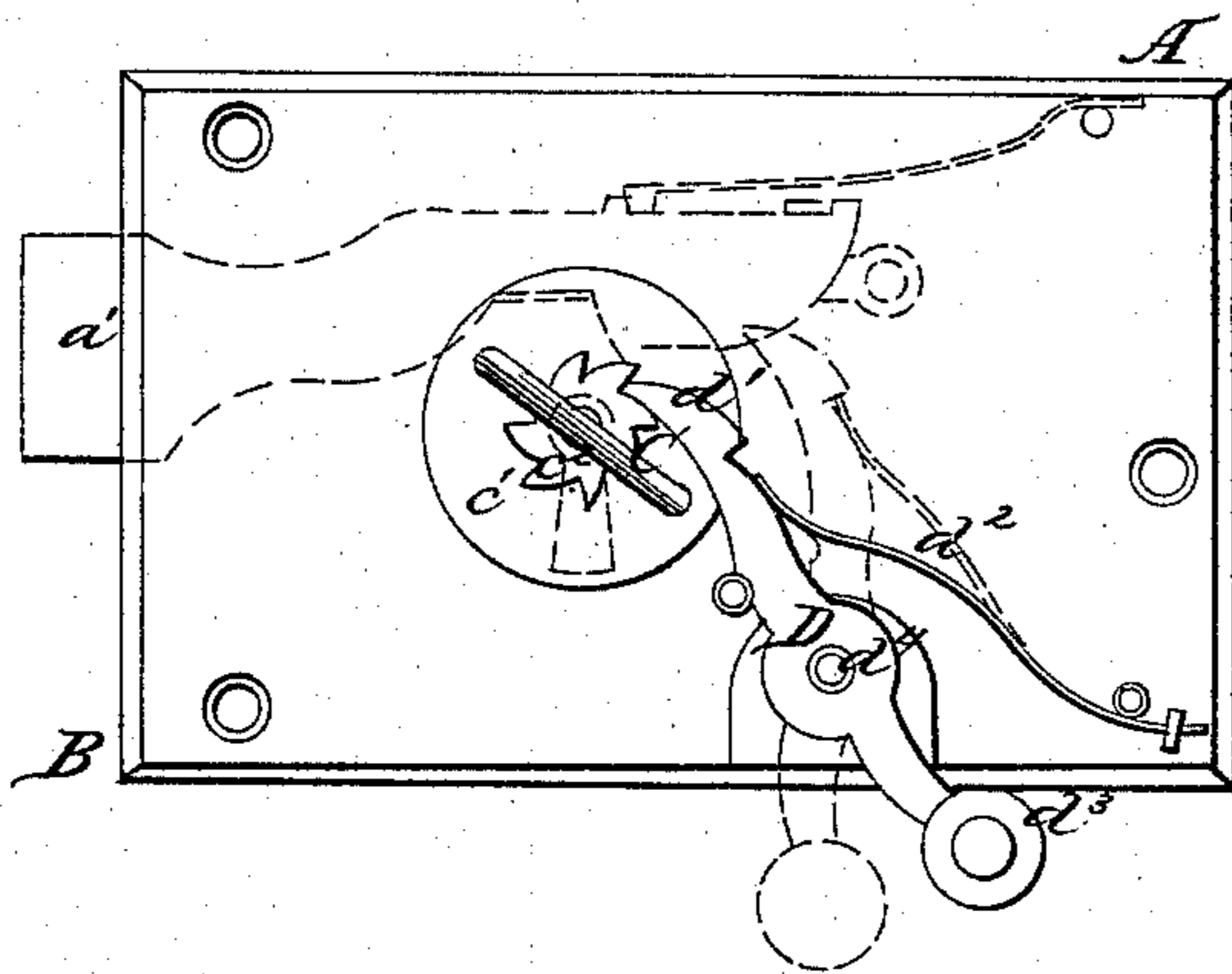
*J. R. Tempest,*

*Key Fastener.*

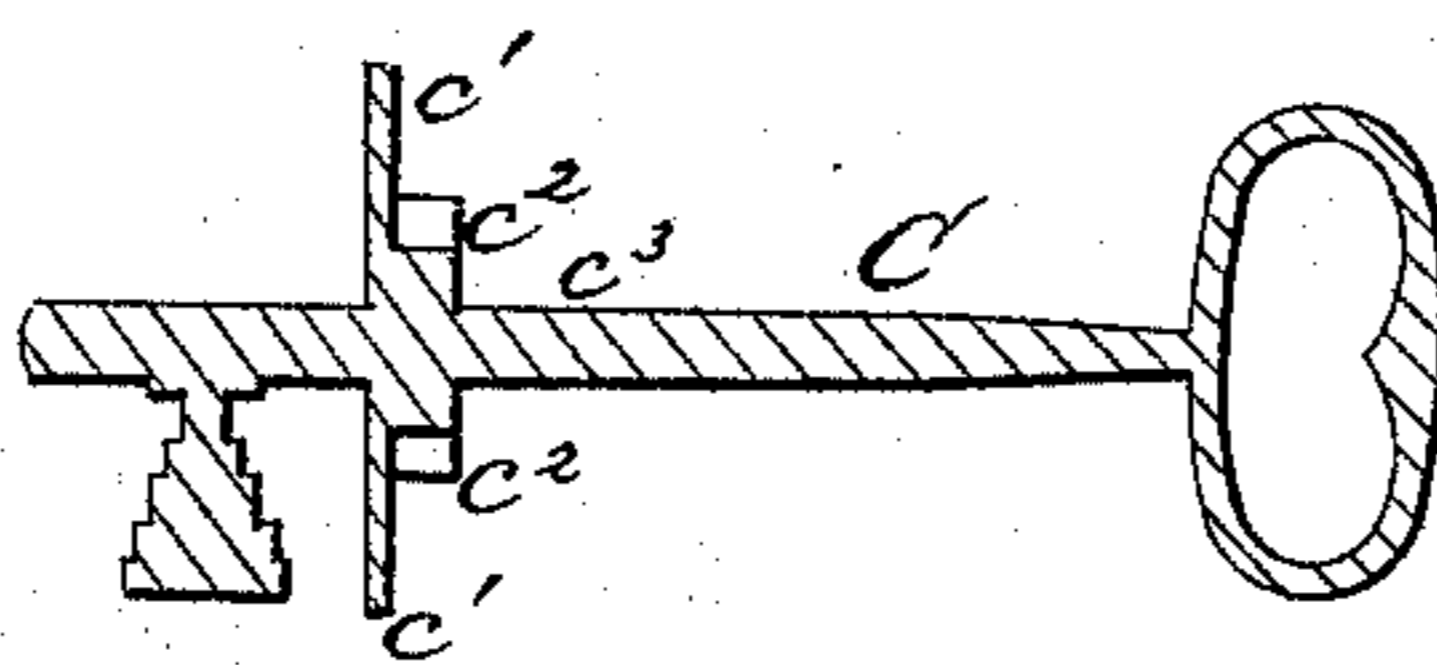
*N<sup>o</sup> 48,602.*

*Patented July 4, 1865.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*Amos Winsmore*

*Das Winsmore*

*Inventor.*

*James R. Tempest*

# UNITED STATES PATENT OFFICE.

JAMES R. TEMPEST, OF PHILADELPHIA, PENNSYLVANIA.

## DEVICE FOR FASTENING LOCK-KEYS.

Specification forming part of Letters Patent No. 48,602, dated July 4, 1865.

*To all whom it may concern:*

Be it known that I, JAMES R. TEMPEST, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in the Mode of Fastening Keys in Door-Locks to prevent the former from being turned and the door opened from the outside of the room; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents the face side of a door-lock having my invention applied thereto, and Fig. 2 a longitudinal section of the key of the same, like letters of reference indicating the same parts when in both figures.

The nature of my invention consists of a circular series of ratchet-teeth, in combination with a flat disk fixed on the key, and of a spring-pawl pivoted to the face side of the lock-case, the same being constructed and arranged to operate together, substantially in the manner hereinafter described.

In the drawings, A B is the lock-case, C the key, and D the spring-pawl.

The lock A B may be made in any of the usual forms of an outside lock, to be fixed in a room-door and operated by means of a removable key.

The key C has a flat disk,  $c'$ , and a series of ratchet-teeth,  $c^2$ , fixed together permanently on its stem  $c^3$  in such a manner that when the said key is inserted into the key-hole of the lock, so as to operate the bolt  $a'$  thereof, the said disk will fit over and entirely cover the key-hole, the series of ratchet-teeth  $c^2$  being on the outer side of the said disk.

The pawl D is pointed at one end,  $d'$ , so that the said end will extend over the one side of the disk  $c'$ , and its point fit between the ratchet-teeth on the key under the pressure of a spring,  $d^2$ , its other end being provided with a suitable knob-handle,  $d^3$ , and the pawl se-

cured to the case of the lock A B by means of a pivot,  $d^4$ , on which it can be vibrated in such a manner that its point  $d'$  will be brought into gear with the ratchet-teeth  $c^2$ , or can be removed therefrom by pressing against the handle  $d^3$ , as occasion may require.

Operation: The point  $d'$  of the pawl D being turned away from the key-hole, by pressing the handle  $d^3$  in an opposite direction, so as to bring the pawl into the position indicated by the dotted lines of the same, Fig. 1, the key C is inserted into the key-hole and the pawl then released, and consequently its pointed end passes over part of the disk  $c'$  and engages the ratchet-teeth  $c^2$ , so as to allow the key to be easily rotated in locking the door from the inside of the room, but so, also, as to effectually prevent its being rotated in an opposite direction, or so as to unlock the door until the pawl D is released from the ratchet-teeth, which latter can be done only from the inside of the room, because the disk  $c'$  effectually covers the key-hole and prevents the passage of any instrument through it from the outside whereby the pawl could be operated, and hence affords perfect security against the key-nippers and other devices of thieves for opening locks from the outside of the rooms, which is the object of my invention.

The device is cheap and is easily constructed and applied to any of the exposed room-door locks in use.

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

The disk  $c'$ , in combination with the ratchet-teeth  $c^2$  on the key C, and the spring-pawl D on the face of the lock-case A B, the said parts being constructed and arranged to operate together, substantially as and for the purpose described.

JAMES R. TEMPEST.

Witnesses:

BENJ. MORISON,  
JAS. WINSMORE.