

(No Model.)

N. B. LITTLE.

KEY FASTENER.

No. 293,756.

Patented Feb. 19, 1884.

Fig. 1.

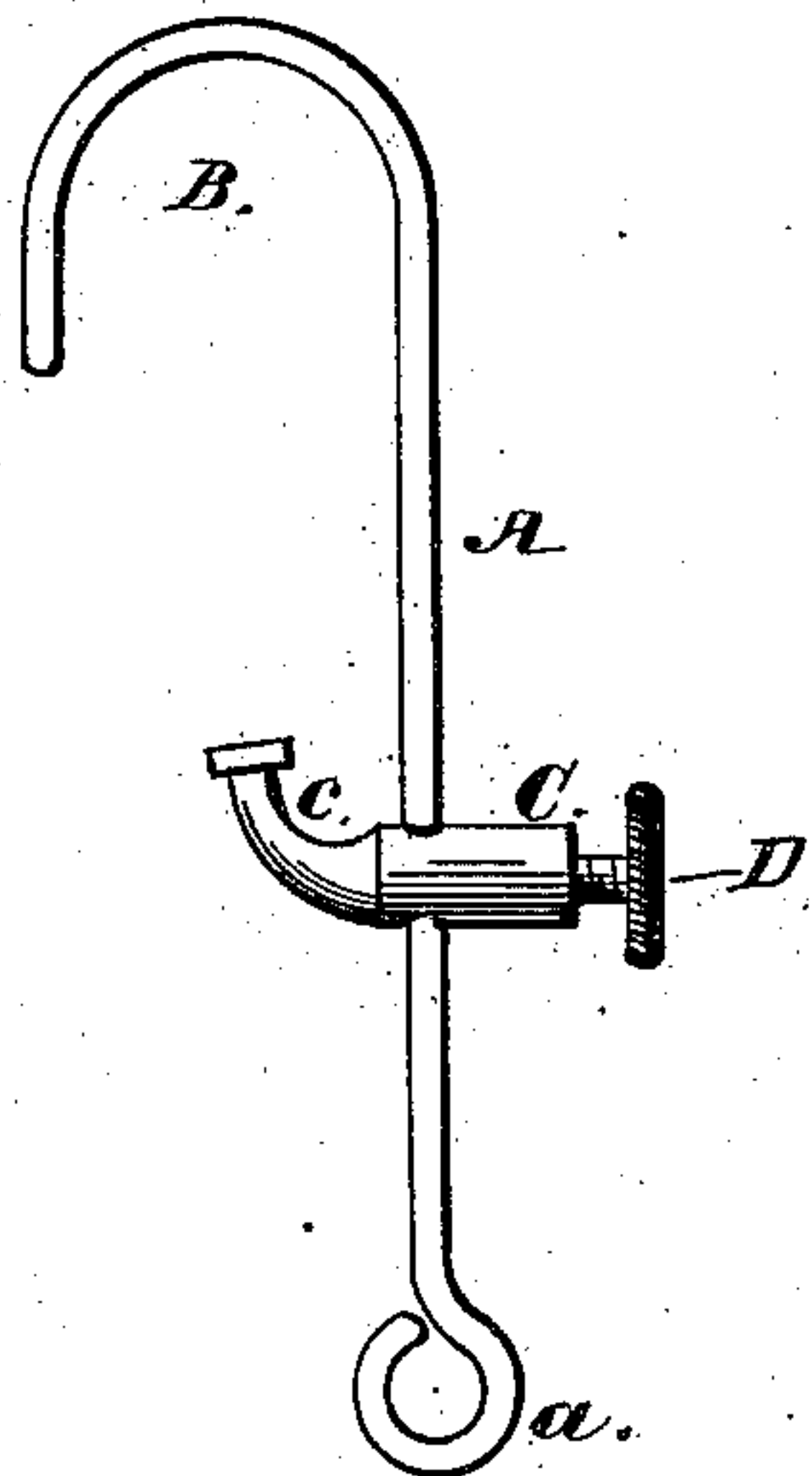


Fig. 3.

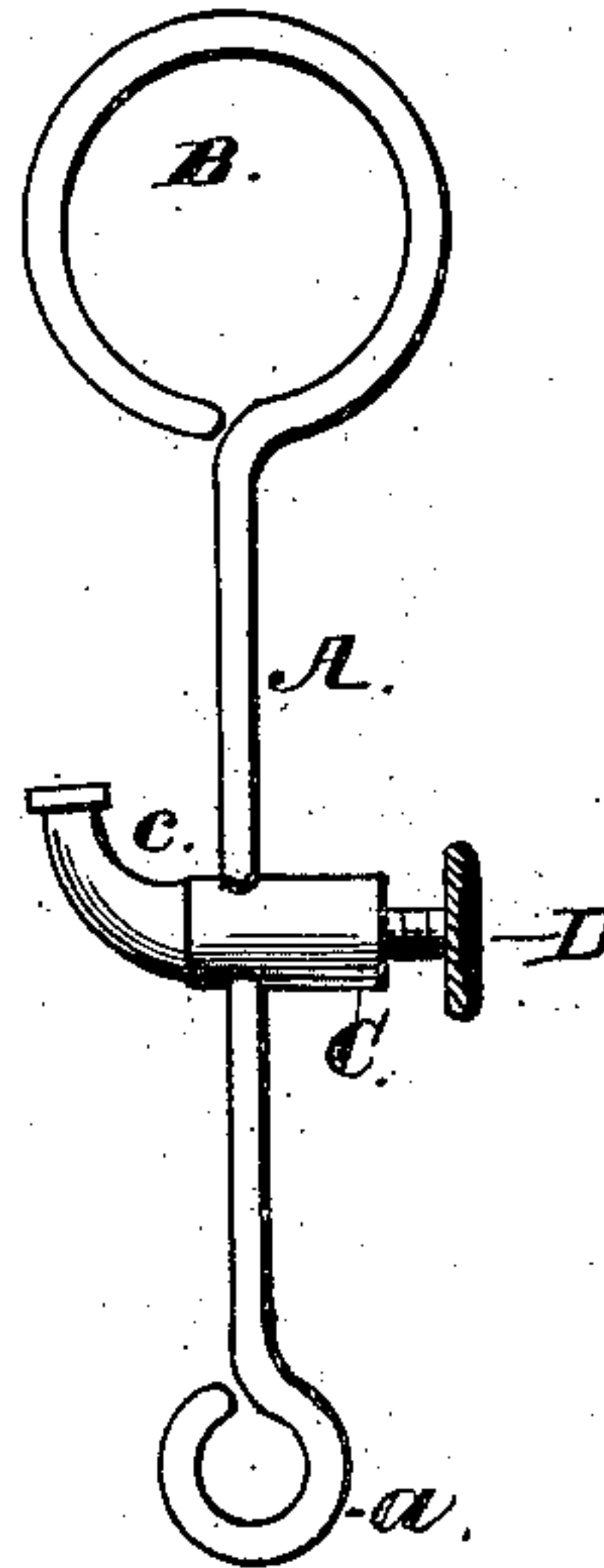
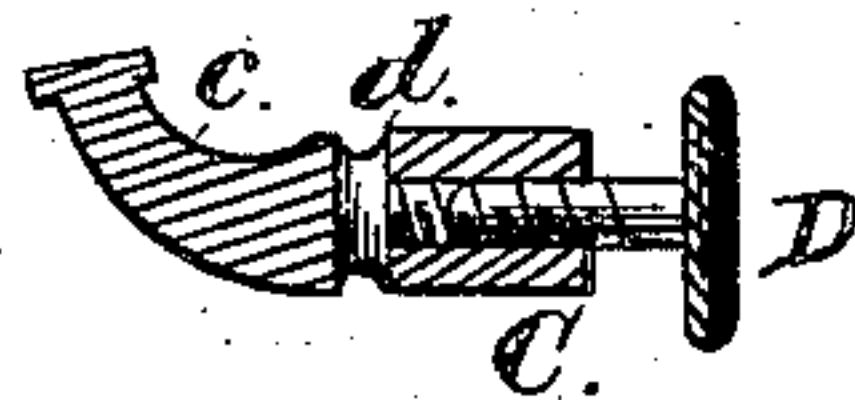


Fig. 2.



WITNESSES

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NELSON B. LITTLE, OF CHICAGO, ILLINOIS.

KEY-FASTENER.

SPECIFICATION forming part of Letters Patent No. 293,756, dated February 19, 1884.

Application filed September 5, 1882. (No model.)

To all whom it may concern:

Be it known that I, NELSON B. LITTLE, residing at Chicago, in the county of Cook and State of Illinois, and a citizen of the United States, have invented a new and useful Improvement in Key-Fasteners, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is an elevation of the complete device; Fig. 2, a longitudinal section of the fastening-hub; Fig. 3, an elevation showing the suspending-rod of a form adapted for permanent attachment.

The object of this invention is to construct a cheap and simple device to be attached to a door for interlocking with a key and preventing unlocking of the door from the outside; and its nature consists in providing a rod or wire adapted to be attached to the stem or spindle of a door knob or handle and be suspended therefrom and carrying a sliding or movable hub, which can be locked thereto by a set-screw, as hereinafter more specifically described, and pointed out in the claim.

In the drawings, A represents a piece of wire or other suitable material.

B represents a loop or eye formed by bending one end of the wire A. This eye or loop is to be of sufficient diameter to readily slip on or over the spindle or stem of the door knob or handle, and may be of either form, as shown in Figs. 1 and 3. As shown in Fig. 1, it is left open, so that it can be slipped over the stem or spindle, and this form of construction is adapted for the use of travelers or other persons. As shown in Fig. 2, the loop or eye is closed, and is to be slipped on the stem or spindle by removing the knob and form a permanent attachment for use in hotels, private houses, or other places.

C represents a hub having a curved or bent point, *c*, to enter or engage with the finger end or eye of the key. This hub has a transverse opening, *d*, for the passage of the wire or suspender A, which opening is sufficiently large to allow the hub to slide freely up and down on the wire or suspender and turn thereon.

D represents a set-screw, the stem of which enters a screw-threaded longitudinal opening in the hub C, so that its end can be made to engage with the face of the wire A, and there-

by lock the hub firmly to the wire. As shown, the lower end of the wire A has an eye or loop, *a*, which forms a means for preventing the hub from slipping off the wire, and also, when the device is carried around, furnishes a means for attaching it to a key-ring, if so desired; but some other form of stop than the eye *a* could be used at the end of the wire to prevent the hub from slipping off. In use, with the form of wire or suspender shown in Fig. 1, the hook B is slipped over the stem or spindle of the knob or handle, the key turned in the lock to lock the door, and then continued in the same direction as far as the key can be turned. Then the curved or bent end *c* of the hub C is hooked into or engaged with the eye of the key; then the hub is pressed upward toward the knob, the loop B being also held down, and when the limit of upward movement is reached the hub is fastened in that position by turning the set-screw to have its end engage the wire. The form shown in Fig. 3 is always in position, being permanent on the stem or spindle, and the operation of the device in securing the key against turning is the same as that just described.

The device is very simple in construction, can be readily applied to any door, and furnish a lock against turning of the key, can be readily and quickly adjusted to suit the location of the stem or spindle of the knob or handle in relation to the key, and, when adjusted, can be quickly interlocked with the key, and, when made removable, can be carried readily by a person and be always in condition for use.

I am aware of the patents granted to E. H. Bailey, April 9, 1861, and W. W. White, October 11, 1875, and do not wish to be understood as claiming anything therein shown.

What I claim as new, and desire to secure by Letters Patent, is—

The wire A, having the loop B at one end and the loop *a* at the other, in combination with the hub C, having hook *c*, said hub having a transverse opening, *d*, for the passage of the wire, and a screw-threaded longitudinal opening for the reception of a set-screw, and the set-screw D, substantially as described.

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Witnesses:

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