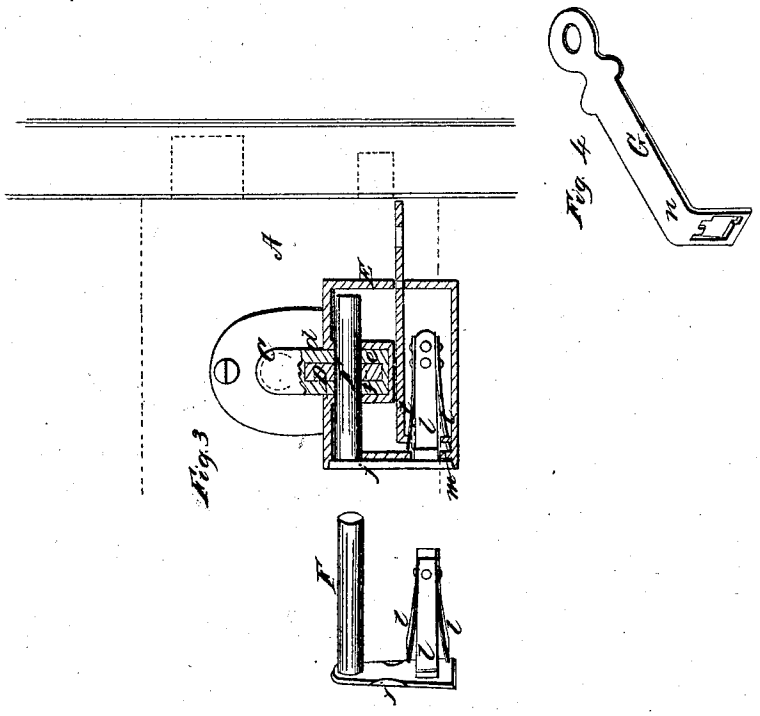
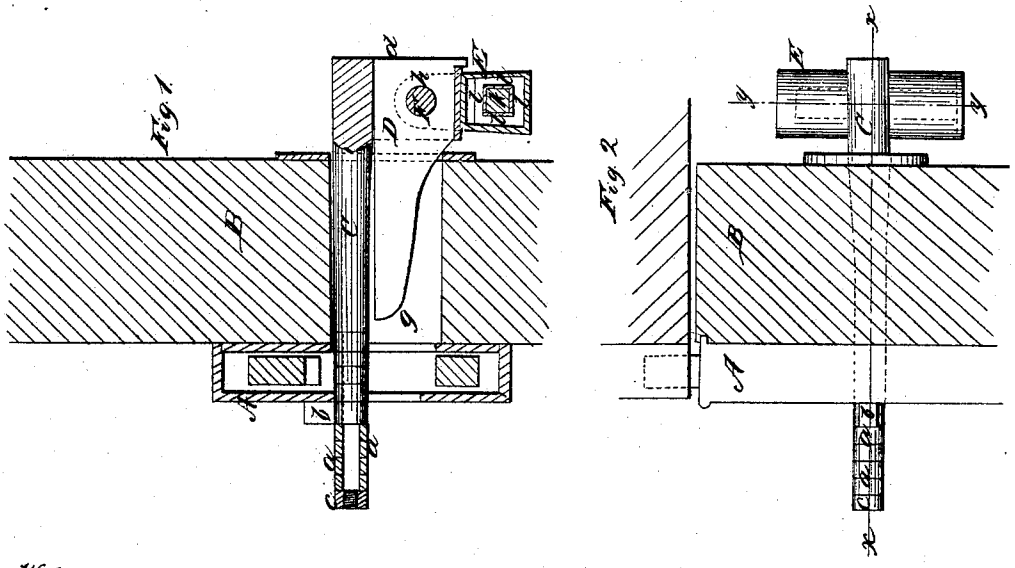
P. P. Stephan,

Key-Hole Guard.

No. 31,337. Patented Feb. 5, 1861.





Witnesses
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PETER PAUL STEPHAN, OF NEWARK, NEW JERSEY.

LOCK ATTACHMENT.

Specification of Letters Patent No. 31,337, dated February 5, 1861.

To all whom it may concern:

Be it known that I, PETER PAUL STEPHAN, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Safety Attachment for Locks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a section of my invention applied to a lock. *x*, *x*, Fig. 2, indicates the plane of section; Fig. 2, a plan or top view of the same; Fig. 3, a section of the same, taken in the line *y*, *y*, Fig. 2. Fig. 4, a detached view of the key.

Similar letters of reference indicate corresponding parts in the several figures.

The object of this invention is to prevent locks being picked and also to prevent them being unlocked illegitimately by the insertion of keys in the holes.

The invention consists in the employment or use of a novel safety attachment applied to the lock in such a way as to completely fill up the key hole and prevent the insertion therein of either picks or keys; the attachment being secured in the key hole by a fastening or supplemental lock attachment hereinafter fully shown and described.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, Fig. 1, represents an ordinary lock applied to a door B, in the usual way.

C, is a spindle, one part of which is made of square or rectangular form to receive washers *a*, and a bit *b;* the washers and bit being secured on the spindle C, by a nut *c*, as shown in Figs. 1 and 2. The other part of the spindle C, is of cylindrical form, and it has a projection or lug *d*, extending from it at right angles, said projection or lug having a slot *e*, extending entirely through it and in line with the spindle C. The lug or projection also has a circular opening *f*, made through it, said opening being at right angles with the slot *e*. The spindle C, is allowed to fit in or pass through the key hole *g*, of the lock and the bit *b*, is adjusted on the spindle at right angles with the lug or projection *d* so that when the spindle is adjusted in the key hole *g*, (which is done by introducing the spindle bit foremost into the outer end of the key hole or at the out side of the door B,) the spindle is turned in the key hole to give the bit *b*, an upright position and prevent it being drawn from the keyhole, see Fig. 1. The lug or projection *d*, prevents the spindle being shoved entirely through the keyhole *g*, the lug or projection being larger than the keyhole. The bit *b*, by means of the washers *a*, may be adjusted on the spindle to suit doors of varying thicknesses.

D, is a key which is inserted in the slot *e*, and extends into the front of the key hole *g*. This key has a hole *h*, made in it which when the key D, is adjusted in the lug and key hole coincides or registers with the hole or opening *f*, in the lug or projection *d*.

E is a box or case which is formed with a recess *i*, to receive the lower part of the lug or projection *d*, and F, is an arbor which passes into the upper part of the box E, and through the openings *f*, *h*, in the lug and key. The outer end of the arbor F, has a bar *j*, attached to it at right angles, and to the lower end of bar *j*, a rod *k*, is attached at right angles, the arbor F, and rod *k*, being parallel with each other. To the rod *k*, near its outer end, springs *l*, are attached, and these springs project out from the rod *k*, near its junction with bar *j*, as shown clearly in Fig. 3. The box or case E, has an aperture *m*, made in one end of it to receive rod *k*, said aperture being below the aperture through which the arbor F, passes. The case or box with its concomitant parts form a supplemental lock. When the arbor F, is fitted in the box or case E, the springs *l*, of rod *k*, serve to retain or lock the arbor F, in the box or case, the springs at their outer ends projecting beyond the edges of the opening or aperture *m*. This will be fully understood by referring to Fig. 3, in which the arbor and bar are shown detached from the box or case in red, and shown fitted in the box or case in black.

From the above description it will be seen that when the arbor F, is adjusted in the box or case E, the arbor will pass through the apertures *f*, and *h*, in the lug *d*, and key D. The key D, therefore will be prevented from being drawn from the key hole *g*, lug or projection *d*, and the spindle C, therefore cannot be turned in the lock, and consequently not withdrawn from it. In order

therefore to withdraw the arbor F, from the box or case E, the springs *l*, must be compressed in order that they may pass through the aperture *m*. This is effected by means of a key G, see Fig. 4, which is composed of a metal plate *n*, bent at one end and slotted so that it may be forced or shoved over the rod *k*, and springs *l*, the key being inserted in the end of the box or case opposite to the end where the rod *k*, is inserted. A person therefore after locking a door inserts the spindle C, in the key hole *g*, turns it so that its bit *b*, will be in a vertical position as described, then inserts the key D, in the lug or projection *d*, and key hole *g*, and applies the supplemental lock to the lug or projection *d*.

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

1. The spindle C, provided with the bit *b*, and the lug or projection *d*, in connection with the key D, and supplemental lock formed of the arbor F, rod *k*, with springs *l*, and case E, substantially as described.

2. The spindle C, with its bit *b*, and lug or projection *d*, and key D, when used in connection with any suitable supplemental fastening or lock attachment to secure the key D, in the lug or projection *d*, and key hole *g*, of lock A, for the purpose specified.

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Witnesses:
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