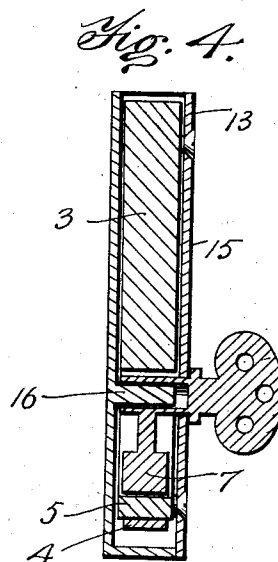
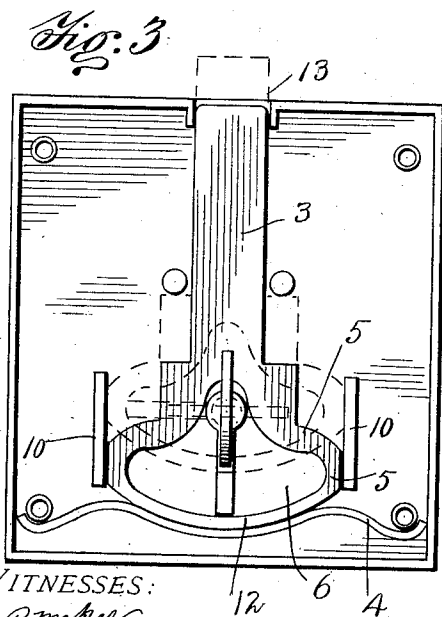
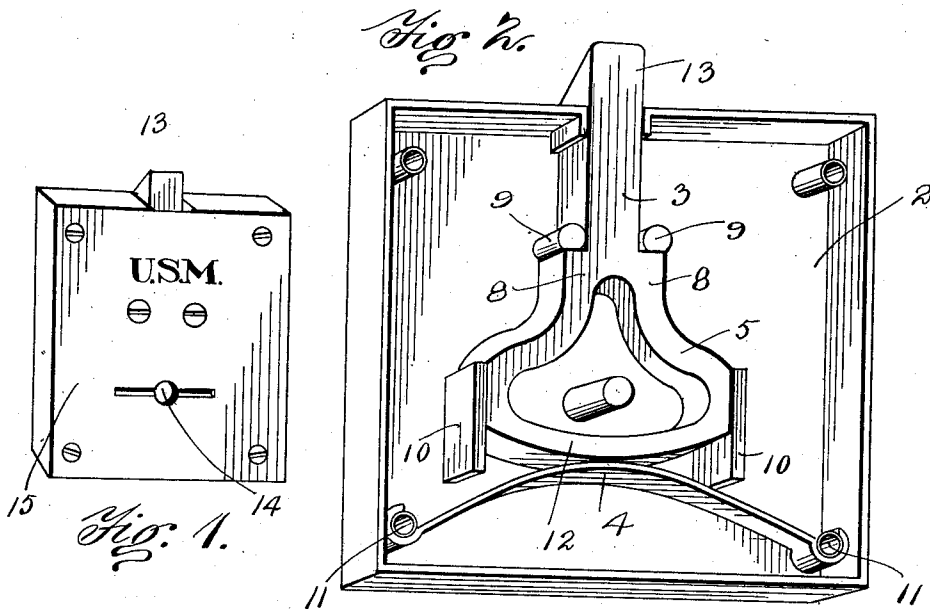


A. HARLAN.
 SPRING LOCK.
 APPLICATION FILED APR. 5, 1911.

1,062,909.

Patented May 27, 1913.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ALFRED HARLAN, OF INDIANAPOLIS, INDIANA.

SPRING-LOCK.

1,062,909.

Specification of Letters Patent.

Patented May 27, 1913.

Application filed April 5, 1911. Serial No. 619,053.

To all whom it may concern:

Be it known that I, ALFRED HARLAN, citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Spring-Locks, of which the following is a specification.

This invention relates to improvements in spring locks and the object is to provide a simple, effectual and durable spring lock especially adaptable for mail boxes.

With the above and other objects in view I have invented the lock illustrated in the accompanying drawings in which:

Figure 1 is a perspective view of my improved lock, Fig. 2 is an enlarged perspective view thereof with the casing plate removed. Fig. 3 is an elevational view showing the bolt in an unlocked position. Fig. 4 is a sectional view taken on line A—A of Fig. 1 showing a key operating the bolt.

Like reference characters indicate like parts throughout the specification and in the several views in the drawings in which—

1 indicates a lock consisting of a casing 2, a bolt 3 and a spring 4. The bolt 3 is provided with an enlarged head 5 having a triangular shaped opening 6 therein the sides of which are curved so that a key 7 may slide easily thereagainst to direct the movement of the bolt the outward movement of which is regulated by the shoulders 8 thereof contacting the posts 9. The head 5 of the bolt is guided in its movement by lugs 10 one located on each side thereof. The spring 4 held by the members 11 is

bowed centerward to abut the portion 12 of the head 5 and holds the end 13 of the bolt 3 normally in a locked position.

The key 7 is adapted to enter the slot 14 in the plate 15 seat over the post 16 which will hold the key in proper place, and by rotating same force the bolt inward, the portion 12 of the lock head 5 pressing the spring 4 out of normal position as shown in Figs. 3 and 4 as long as it remains in the lock in the position shown in Figs. 3 and 4, however, as soon as the key is removed from the lock the spring 4 will force the bolt out again into a locking position where it will remain normally.

Having described my invention that which I claim to be new and desire to procure by Letters Patent is:

A lock consisting of a casing, a slidable bolt having an enlarged head and a bowed spring pressing against said head, said head having a three cornered opening therein, a pin projecting into said opening and adapted to be accommodated by one of said corners, a key having a wing adapted to project into either of said other corners and an arcuate surface connecting said last two corners along which said wing is adapted to slide to operate said bolt.

In testimony whereof I affix my signature in presence of two witnesses.

ALFRED HARLAN.

Witnesses:

CLYDE E. PARSONS,
CHESTER F. BAILEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."