

(No Model.)

F. SOLEY.
PADLOCK.

No. 601,087.

Patented Mar. 22, 1898.

FIG. 1.

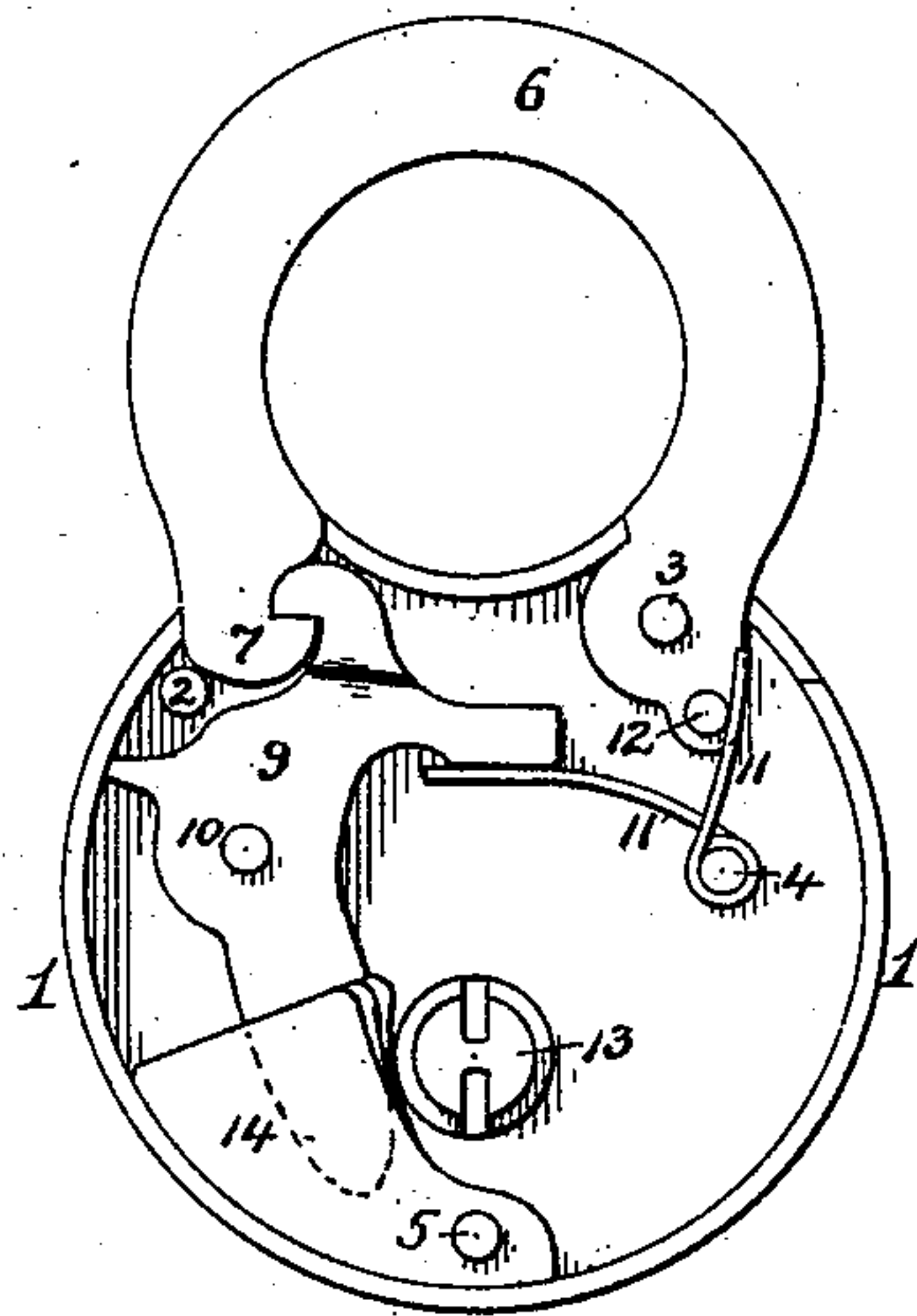


FIG. 2.

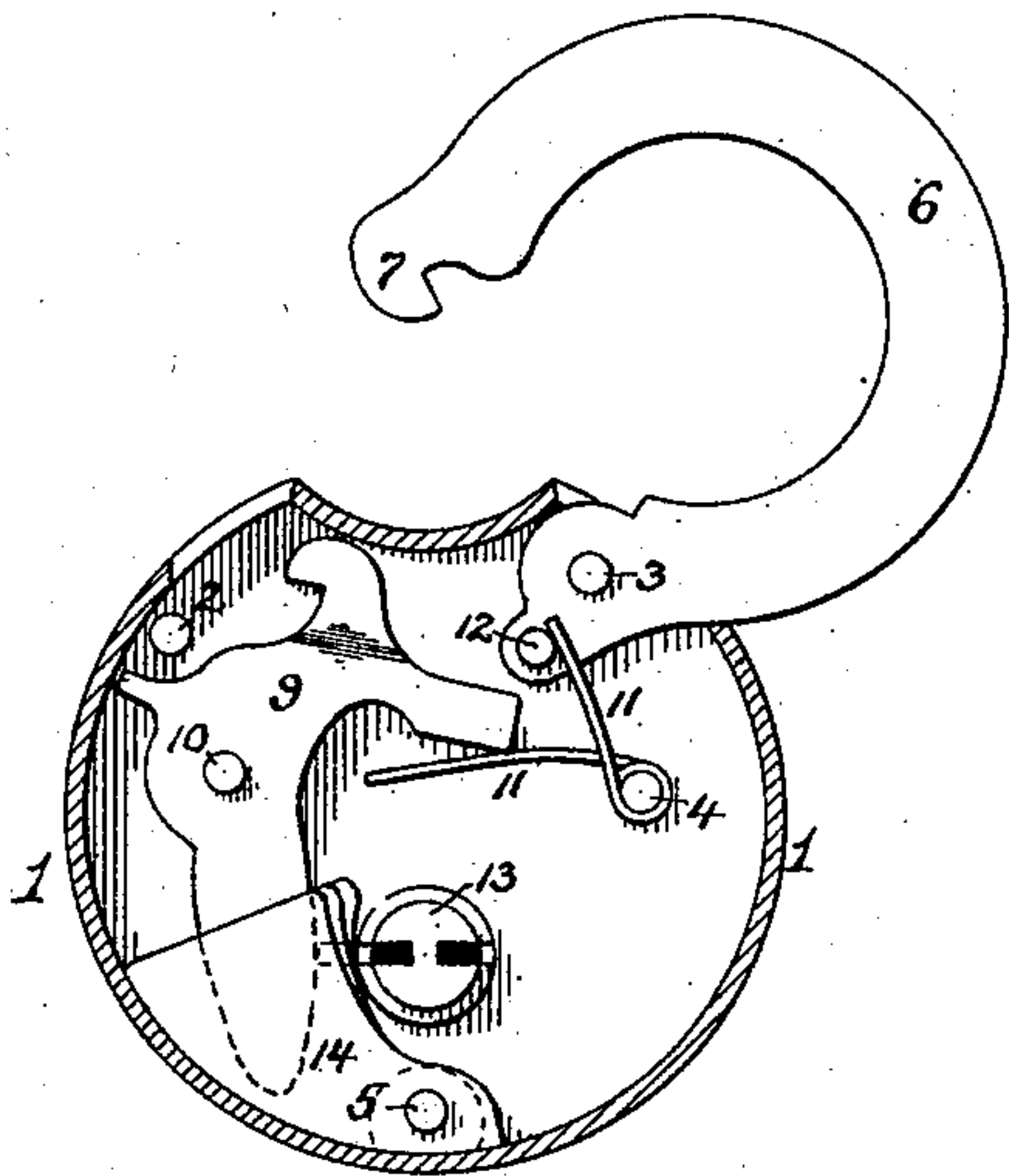
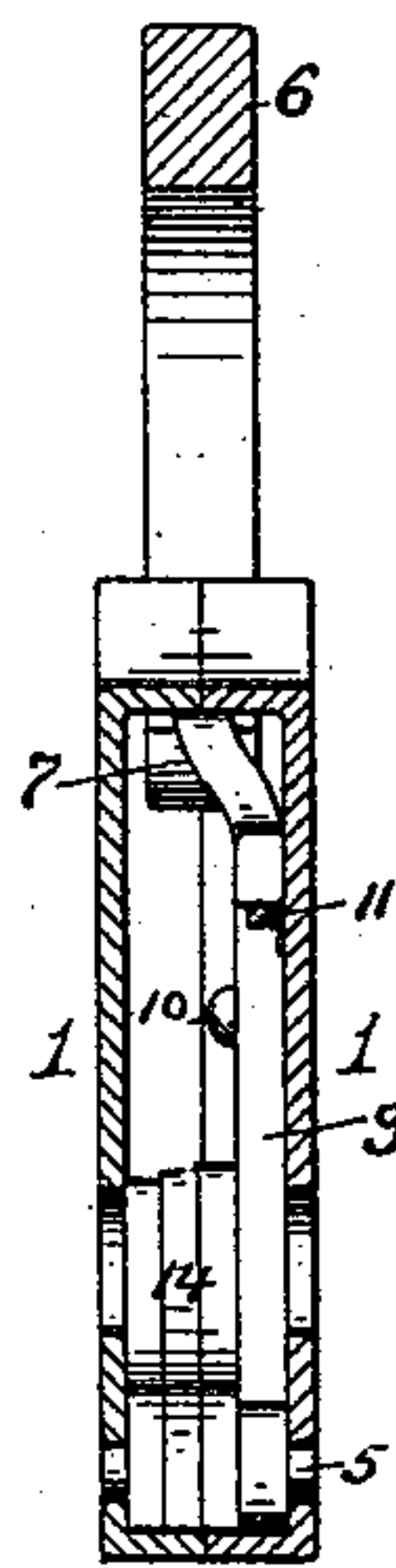


FIG. 3.



Witnesses:
Charles De Cou.
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Inventor
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UNITED STATES PATENT OFFICE.

FRANK SOLEY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE
MILLER LOCK COMPANY, OF SAME PLACE.

PADLOCK.

SPECIFICATION forming part of Letters Patent No. 601,087, dated March 22, 1898.

Application filed November 5, 1897. Serial No. 857,485. (No model.)

To all whom it may concern:

Be it known that I, FRANK SOLEY, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Padlocks, of which the following is a specification.

The object of my invention is to provide an extremely cheap and simple form of padlock, an object which I attain in the manner hereinafter set forth, reference being had to the
10 accompanying drawings, in which—

Figure 1 is a view of a padlock with part of the casing removed and showing the parts in the locked position. Fig. 2 is a similar
15 view showing the parts in the unlocked position, and Fig. 3 is a central transverse section of the lock with the key-hub removed.

The casing 1 of the lock is composed of opposite halves flanged or struck up in the
20 usual manner and held together by riveting the ends of the transverse binding-posts 2, 3, 4, and 5, the post 3 also serving as the fulcrum-pin for the shackle 6, which has a hooked nose 7 for engagement with a hooked
25 dog 9, hung to a pin 10 in the casing.

Coiled around the post 4 is a spring 11, one end of which acts upon the projecting portion of the dog 9, so as to tend to maintain the
30 hooked end of said dog in engagement with the hooked nose of the shackle, the other end of the spring acting upon a pin 12, which projects from the heel of the shackle, the tendency of this end of the spring being, therefore, to throw the shackle outward or to the
35 position shown in Fig. 2. Independent springs may, however, be used, if desired.

Mounted in suitable bearings in the casing is the usual transverse key-hub 13, and in the lower portion of the casing are a series of stationary wards or plates 14, which are of different sizes and which serve to prevent the operation of the dog 9 by an improperly-bitted
40 key, these wards entering the corresponding wards of the proper key and thereby permit-

ting the turning of the latter so that its projecting bit will act upon the depending portion of the dog 9 and cause the withdrawal of the hooked upper end of said dog from engagement with the hooked nose of the shackle and thus permit the latter to be swung outward by the action of the spring 11 on the pin 12, as shown in Fig. 2. As soon as the key is withdrawn the dog 9 will be restored by the spring 11 to its normal position, so that its hooked end will again be in position to
50 engage with the hooked nose of the shackle when the latter is reinserted into the lock.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. The combination in a padlock, of the casing, a pivoted shackle having a hooked nose, a pivoted dog having a hook for engaging the hooked nose of the shackle, a transverse key-hub, a series of fixed wards mounted in the casing adjacent to said key-hub, and means
60 for holding the hooked end of the dog in engagement with the hooked nose of the shackle and for projecting said shackle when released from the control of the dog, substantially as specified.

2. The combination in a padlock, of the casing, a pivoted shackle having a hooked nose, a pivoted dog having a hooked end for engaging with said hooked nose of the shackle, a transverse key-hub, a series of fixed wards mounted in the casing adjacent to said key-hub, and a spring coiled around a post in the lock and having one end acting upon the dog and the other end acting upon the heel of the
75 shackle, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANK SOLEY.

Witnesses:

GEORGE L. BATTERSBY,
GEORGE L. BATTERSBY, Jr.