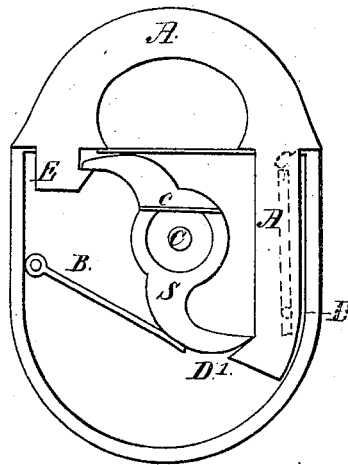


C. W. Saladee,

Padlock,

No 55,167,

Patented May 29, 1866



Witnesses:

James White
James Hood

Inventor

Charles W. Saladee

UNITED STATES PATENT OFFICE.

CYRUS W. SALADEE, OF NEWARK, OHIO.

IMPROVEMENT IN PADLOCKS.

Specification forming part of Letters Patent No. **55,167**, dated May 29, 1866; antedated May 24, 1866.

To all whom it may concern:

Be it known that I, CYRUS W. SALADEE, of Newark, county of Licking, in the State of Ohio, have invented a new and Improved Mode of Constructing Padlocks; and I hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The nature of my invention consists, first, in the peculiar construction and arrangement of a solid sliding lock-bar, A; second, in the novel arrangement for locking both ends of said bar A; third, in the peculiar combination of the spring B with the double hook-lever S and lock-bar A; and, fourth, in the arrangement of the guides for the sliding of the lock-bar A.

In the drawings, A is the lock-bar, which is either stamped out of thick iron plate or cast of other suitable metal, the ends of which are provided with hooks E and D', into which the corresponding hook ends of the lever S fit when locked, as now shown in the drawing.

Under the long end of the lock-bar A is graved or stamped into the back of the lock a groove, C, (shown by the red dotted lines.) A corresponding stud, D, is next rigidly secured to the under side of the sliding lock-bar A at the point indicated by the red dotted line passing from the stud to the red letter D. This stud D works freely up and down in the groove C, by which the sliding bar A is kept in position while slipping up and down in the lock. The stud D will also serve as a stop to prevent the bar A from being pulled entirely out of the lock.

A lever, S, in form substantially similar to the one shown in the drawing, is next provided, of such length and proportion as to have each end to lock into the notches E and D' and firmly hold the lock-bar A down in the lock.

A spring, B, is made to bear against the lever S at any point where it will have a tendency to press the ends of the lever into the notches E and D'.

The center of the lever S is secured in posi-

tion by the key-stud C, around which the barrel of the key turns in the act of unlocking, the ward of the key striking against a suitable stud, c, on the lever S, so as to turn it and disengage its ends from the notches of the lock-bar A. This lever S may be composed of two pieces, each acted upon by a separate spring, and thus made to lock both ends of the sliding bar A in substantially the same manner.

When the lever S, or its equivalent, is thrown out of the notches E and D' by the key the sliding bar A is drawn up out of the lock far enough to admit of hooking or unhooking it from the ring or staple to which it is to be attached, and the operation of locking it is simply to press down upon the top of the sliding bar A until the hook ends of the lever S are thrown into the notches E and D' by the spring B.

I will here state that the main object I have in view in this invention is to simplify and thereby cheapen the cost of manufacturing a first-class padlock, while at the same time I have endeavored to render the common padlock more durable and less liable to get out of repair. Nothing, I take it, can be conceived of in the way of a padlock more simple and complete in all its parts than the one here shown. While it is a double lock, positively locking both ends of the bar A, and self-locking when open, no further complication of working parts is necessary than the one single hook-lever S, or its equivalent, and spring B. The great importance of this is self-evident.

Now, what I claim as new of my invention, and desire to secure by Letters Patent, is—

1. The lever S, or its equivalent, in combination with the lock-bar A, in the manner and for the purpose substantially as shown and described.

2. The spring B, or equivalent, in combination with the lever S and lock-bar A, in the manner and for the purpose substantially as shown and described.

CYRUS W. SALADEE.

Witnesses:

JAMES WHITE,
JAMES HOOD.