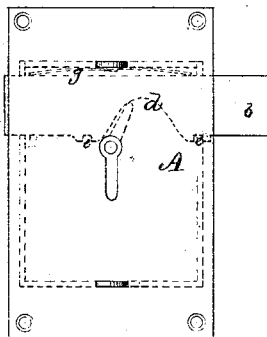


H. Willard,

Lock.

No. 110412.

Patented Dec. 20, 1870.



Witnesses
Jos. A. Ellis
Jas. V. White

Inventor
Horatio Willard
Per.
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Atty.

UNITED STATES PATENT OFFICE.

HORATIO WILLARD, OF EVANSVILLE, INDIANA.

IMPROVEMENT IN LOCKS.

Specification forming part of Letters Patent No. **110,412**, dated December 20, 1870.

To all whom it may concern:

Be it known that I, HORATIO WILLARD, of Evansville, in the State of Indiana, have invented certain new and useful Improvements in Furniture-Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification, in which is represented a plan of my lock.

The nature of my invention consists in providing the bolt which passes entirely through the case and projects on either side thereof with notches so arranged in combination with a spring that when the key moves the bolt forward or backward the casing on each side will engage the notches, and thus securely lock the bolt, substantially as herein set forth.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction.

A represents the casing, made in the usual manner.

b is the bolt, provided with notches *c c*, and also with the mouth *d* for the key to work in.

It will be observed that the upper half of

each side of the casing is cut away about one-half of the depth of the remaining portion.

g represents a spring, somewhat of circular or bow shape. Said spring is firmly secured to the upper part of the case, so that each end will rest upon the bolt. Thus it will be observed that as the key forces the bolt forward or backward the notches will drop over the sides of the casing and lock the bolt.

I am aware that positive fastening-notches upon the bolt are not new, and that notches with beveled sides are used in the same position as mine. I do not therefore claim broadly this feature; but

What I do claim is—

The combination of the spring *g* and the bolt *b* passing through both sides of the case and furnished with two positive fastening-notches that engage on the sides of the case, said bolt being operated directly by the key, as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

HORATIO WILLARD.

Witnesses:

PHILIP DUKER,

ADOLPH FIRNHABER.