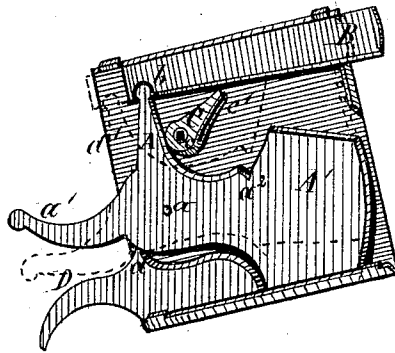


G. G. NODLE.
Sash-Fastener.

No. 169,030.

Patented Oct. 19, 1875.



Witnesses

Harry Otto
Chas Jacobus

Inventor.

George G. Nodle
by H. R. Doubleday
att'y.

UNITED STATES PATENT OFFICE

GEORGE G. NODLE, OF NEW BERLIN, OHIO.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **169,030**, dated October 19, 1875; application filed September 15, 1875.

To all whom it may concern:

Be it known that I, GEORGE G. NODLE, of New Berlin, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Sash-Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification, in which the drawing represents my sash-lock with one side of the inclosing-shell removed.

A A' is a weighted bent lever, pivoted at *a*. The upright arm A engages with a notch, *b*, in the under side of the bolt B, and actuates it, (the bolt.) The rear or inner end of the weighted lever is extended and formed into a thumb-piece, *a*¹, and that portion of the lever immediately adjacent to this thumb-piece is cut to arcs of circles, of which the pivot *a* is the center, for a purpose which will be explained. C is a tumbler, provided with a boss or hub upon one or both sides, which, seated in one or both walls of the shell, permit the tumbler to vibrate freely about the squared hole *c*. The free end of this tumbler is slotted or split, as indicated at *c*¹, the object of this construction being to form this end into a self-acting spring, and the ends or tongues thus produced are bent outwardly or away from each other until they press upon the inner sides of the shell of the lock when the lock is properly put together. D is a thumb-rest, rigidly attached to the shell. A spur, *d*, of this rest extends upward to the lever. When the bolt is thrust out, as shown, the weighted end of the lever rests upon the bottom of the shell, and when the bolt is withdrawn, as shown in dotted lines, the upper end of the weighted end of the lever strikes against the bolt. Thus both sides of the weighted end of the lever are made to serve as stops to limit the throw of the bolt. This construction prevents the contact of the thumb-piece *a*¹ with either the

spur *d* or the side *d*' of the shell. Therefore both the spur *d* and the side *d*' may be made to fit closely to the rear end of the lever, which, as has been stated, is in an arc of a circle, having the center at *a*, and will not be worn away by the thumb-piece, but will thoroughly exclude the dirt from the interior of the lock.

If, when the bolt is thrust out, as shown in full lines, the tumbler C be turned until its free end enters the notch *a*² in lever A A', the parts will be securely locked in position, and the bolt cannot be withdrawn. For the purpose of moving this tumbler, I propose to employ a key, E, having a squared shank, *e*, of such length that it will pass through a round hole in the outer side of the shell and into the tumbler, but shall not reach through the tumbler into a square hole in the inner wall of the shell, which corresponds substantially in size and position with the squared hole in the tumbler, because, if the square end of the shank of the key did enter this squared hole in the shell, the key could not be turned to move the tumbler, as will be readily understood. The tumbler is, when in the position shown, held in place by the friction of its elastic ends against the inner walls of the shell.

Having described my invention, what I claim is—

1. The combination of the weighted lever A A', the bolt B, and the tumbler C, having its free end slotted, whereby it is retained in position by friction, substantially as set forth.

2. The combination of the heel end of the weighted lever A A', formed in the arc of a circle, with the side *d*' of the shell and the spur *d* of the thumb-piece D, substantially as set forth.

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

GEORGE G. NODLE.

Witnesses:

LOUIS KOLP,
GEORGE HOLTZ.