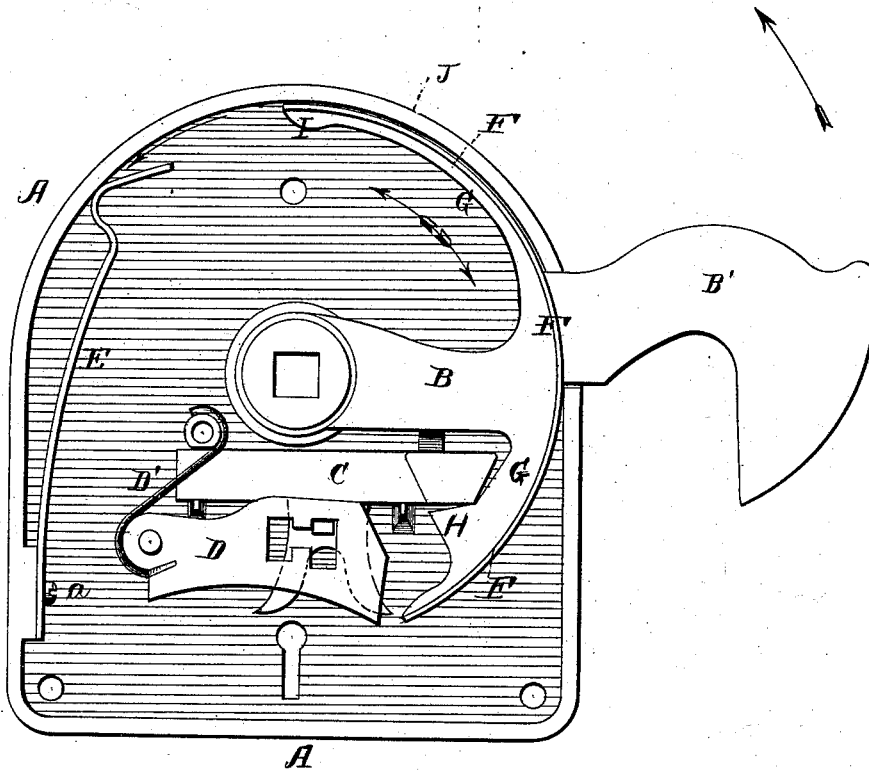


W. S. CARLISLE.
Latch for Sliding Door.

No. 201,747.

Patented March 26, 1878.



WITNESSES
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WILLIAM S. CARLISLE, OF WATERTOWN, NEW YORK.

IMPROVEMENT IN LATCHES FOR SLIDING DOORS.

Specification forming part of Letters Patent No. **201,747**, dated March 26, 1878; application filed February 26, 1878.

To all whom it may concern:

Be it known that I, WILLIAM S. CARLISLE, of Watertown, in the State of New York, have invented certain new and useful Improvements in Locks; and 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, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a lock designed for sliding doors, more particularly for barns, railroads, &c., as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe the construction and operation, referring to the annexed drawing, which represents a view of my lock with the face-plate of the case removed.

A represents the lock-case, having its top made circular, the circle being described from the center of the hole for the spindle. B represents the latch, formed with two segments, G G, extending above and below the main body of the latch, long enough to close the slot J in the side of the lock when the latch is either locked or raised out of the way. The upper segment terminates in a lug, I, and the lower is provided with a catch, H.

On both sides of the latch and segments are flanges F, described from the same center as the top of the case. The latch B projects through the slot J, and terminates in a hooked form, B', as shown, and is to engage, when

locked, with some suitable catch to hold the door.

C is a bolt, and D tumbler with spring D', operated by a key. This bolt is to engage the catch H, as shown in the drawing, and thus secure the latch in place, preventing its being raised.

E is a spring, secured to the inside of the case A by a screw, a, and is so constructed as to engage automatically the lug I when the latch is thrown back, thus holding it in a nearly upright position, so that it will not project beyond the edge of the door.

The latch rotates in the center of the case, which makes it equally suitable for right and left hand doors.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The latch B, provided with the segments G G, flanges F F, lug I, and catch H, and rotating within the case A, the end of the latch projecting beyond the casing, and terminating in a hook, B', all as herein set forth.

2. The combination of the bolt C, tumbler D, and the catch H on the lower segment of the latch, for the purposes described.

3. The spring E, in combination with the lug I on the upper segment of the latch, for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of February, 1878.

WM. S. CARLISLE.

Witnesses:

CHAS. G. CHAMPLIN,
JAMES E. LOUCKS.