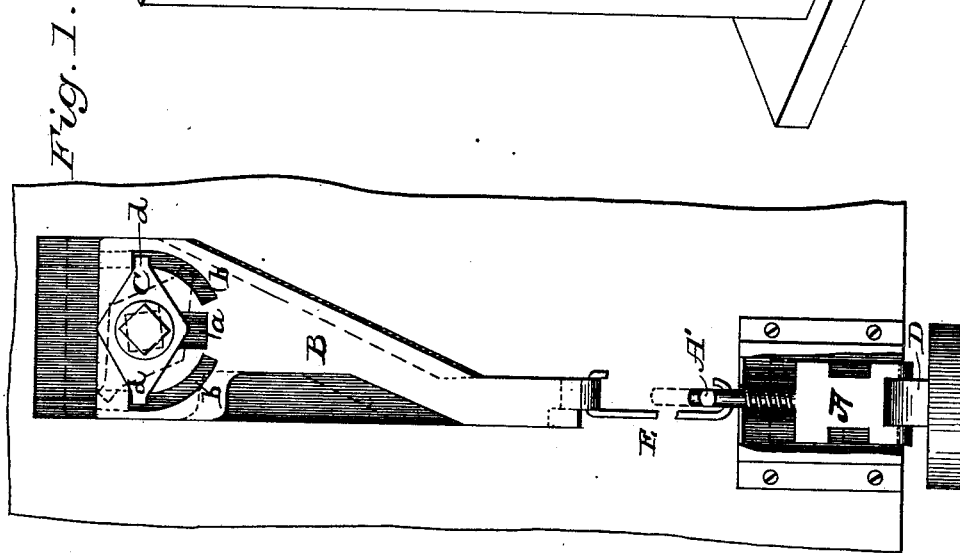
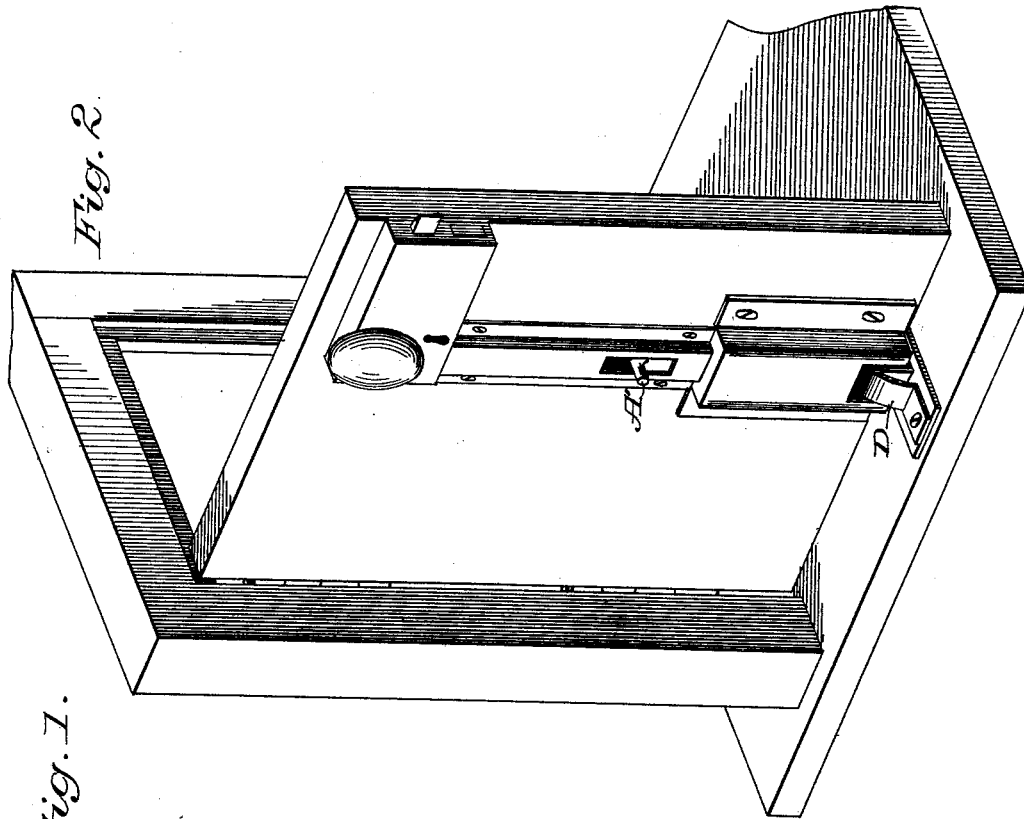


W. WILLIAMS.
Door-Fastener.

No. 221,645.

Patented Nov. 11, 1879.



Witnesses:

Charles E. Haas
Samuel Loewner

Inventor:

Wm Williams

UNITED STATES PATENT OFFICE.

WILLIAM WILLIAMS, OF HARRISONBURG, VIRGINIA.

IMPROVEMENT IN DOOR-FASTENERS.

Specification forming part of Letters Patent No. **221,645**, dated November 11, 1879; application filed September 20, 1878.

To all whom it may concern:

Be it known that I, WILLIAM WILLIAMS, of Harrisonburg, county of Rockingham, and State of Virginia, have invented a new and improved mode of preventing railway-car doors and other doors from falling or slamming close when left open; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and the letters of reference marked thereon.

The invention relates to an improvement in door-checks; and it consists in the devices hereinafter described and claimed.

A, in the accompanying drawing, denotes the bolt, having its upper portion formed into a neck, around which is placed a spiral spring to control the movement of the bolt.

The upper end of the neck of the bolt is supplied with a short arm, A', which projects beyond the casing inclosing the bolt, and serves as a means of operating the bolt by hand, should it become detached from the wire E, which connects it with the lower end of a metal plate, B.

The plate B is provided at its upper end with a slot, *a*, and two curved slots, *b*, and is secured in position by means of the handle of the lock passing through the slot *a*, the latter

being of proper length to allow the plate B to be moved vertically.

Upon the handle of the lock is also secured a smaller plate, C, having two arms, *d*, which extend outward, one on each side of the plate, and operate in the slots *b*. Thus, when the door-knob is turned either to the right or left, one or the other of the arms *d* will ascend and draw the plate B up with it. This upward movement will also draw the wire-link E and spring-bolt A upward, freeing the latter from the catch D, fastened in a suitable position upon the floor, and permitting the door to be opened and closed at will. When the door-knob is released the tension of the spiral spring will force the bolt A back to place in the catch D, and the door will remain stationary.

It is plain that when the door-knob is turned the latch is opened and the spring-bolt A freed simultaneously.

What I claim as my invention, and desire to secure by Letters Patent, is—

The door-check herein described, consisting of the plate B, having slots *a b*, the plate C, having arms *d*, link E, and spring-bolt A, substantially as specified.

Attest:

WM. WILLIAMS.

CHARLES E. HAAS,
SAMUEL LOEWNER.