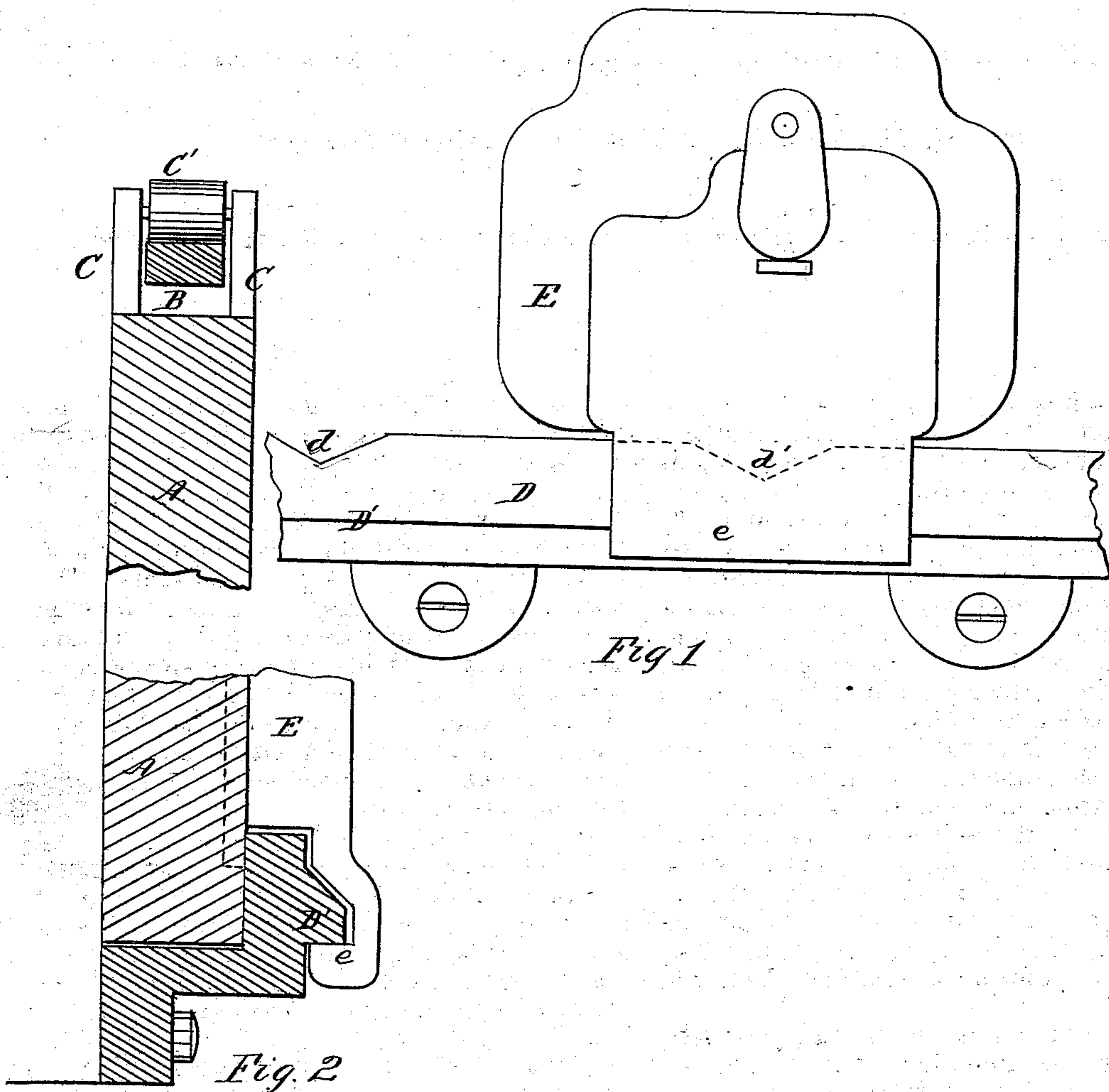


D. H. DOTTERER.  
Locks for Sliding Doors

No. 154,463.

Patented Aug. 25, 1874.



Witnesses  
J. B. Connolly  
F. F. Hartman

By

Davis H. Dotterer  
Connolly Bros,  
Attorney

# UNITED STATES PATENT OFFICE.

DAVIS H. DOTTERER, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN LOCKS FOR SLIDING DOORS.

Specification forming part of Letters Patent No. **154,463**, dated August 25, 1874; application filed July 8, 1874.

### CASE C.

*To all whom it may concern :*

Be it known that I, DAVIS H. DOTTERER, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Locks for Sliding Doors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a front view, and Fig. 2 a vertical transverse section, of my invention.

My invention has relation to certain improvements on the subject of my patent of April 14, 1874; and has for its object to so modify the construction of the devices therein shown as to adapt the lock to a suspended door rolling upon an upper rail, and, consequently, not requiring a combined lock and carriage.

My present invention, accordingly, consists, first, in the combination, with a notched "guard," embracing the outer lower edge of a sliding door, of a lock, locking into said guard, and having a face-plate extension or hook depending and embracing said guard; secondly, in the construction of a freight-car door-guard with a bead for the engagement of the lock-hook.

Referring to the accompanying drawing, A

represents a freight-car door, suspended from, and moving upon, an upper rail, B, by means of hangers and rollers C C'. D represents the guard fastened to the sill of the car, and E the lock attached to the door A. D' shows a horizontal rib or bead on the guard, and *d d'* notches in the upper edge of the same. The hook *e* on the lock engages with the rib D' on the guard, or it may be extended to embrace the lower edge thereof. A pivoted spring-latch within the lock E enters the notches *d* and *d'*. When it enters the former the door is completely closed, but when it enters the latter the door is locked in a partially open position for the purpose of ventilation.

What I claim is—

1. The combination, with a notched freight-car guard, embracing the lower outer edge of a sliding door, of a lock, locking into said guard, and having a depending hook embracing the latter, substantially as shown and described, for the purpose specified.

2. The guard D, having a bead, D', for the engagement of the lock-hook, substantially as and for the purpose shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 29th day of June, 1874.

DAVIS H. DOTTERER.

Witnesses:

M. DANL. CONNOLLY,  
JNO. A. BELL.