

# PENFIELD & WOOLSEY.

## Coach Door.

No. 95,832.

Patented Oct. 12, 1869.

Fig. 2.

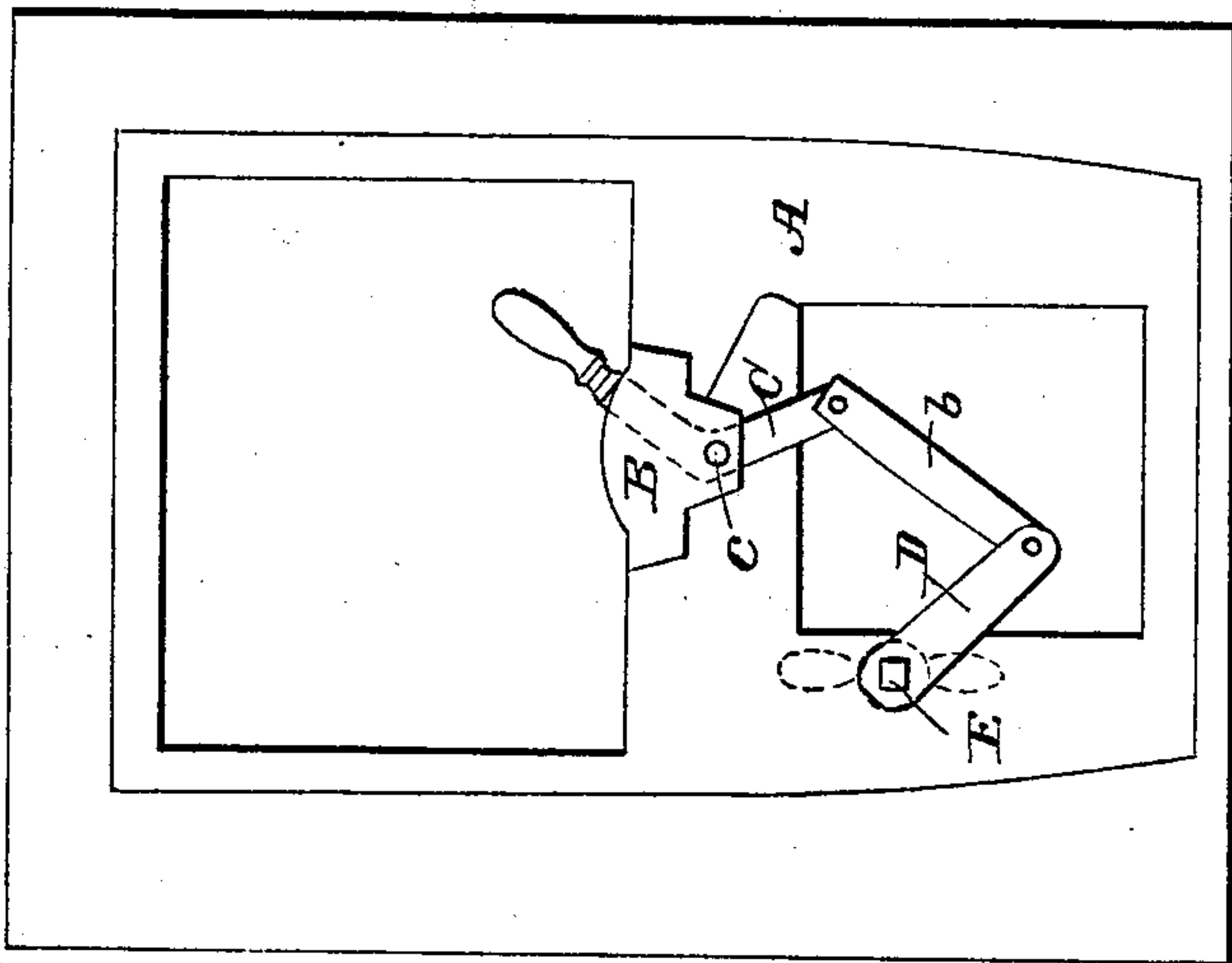


Fig. 1.

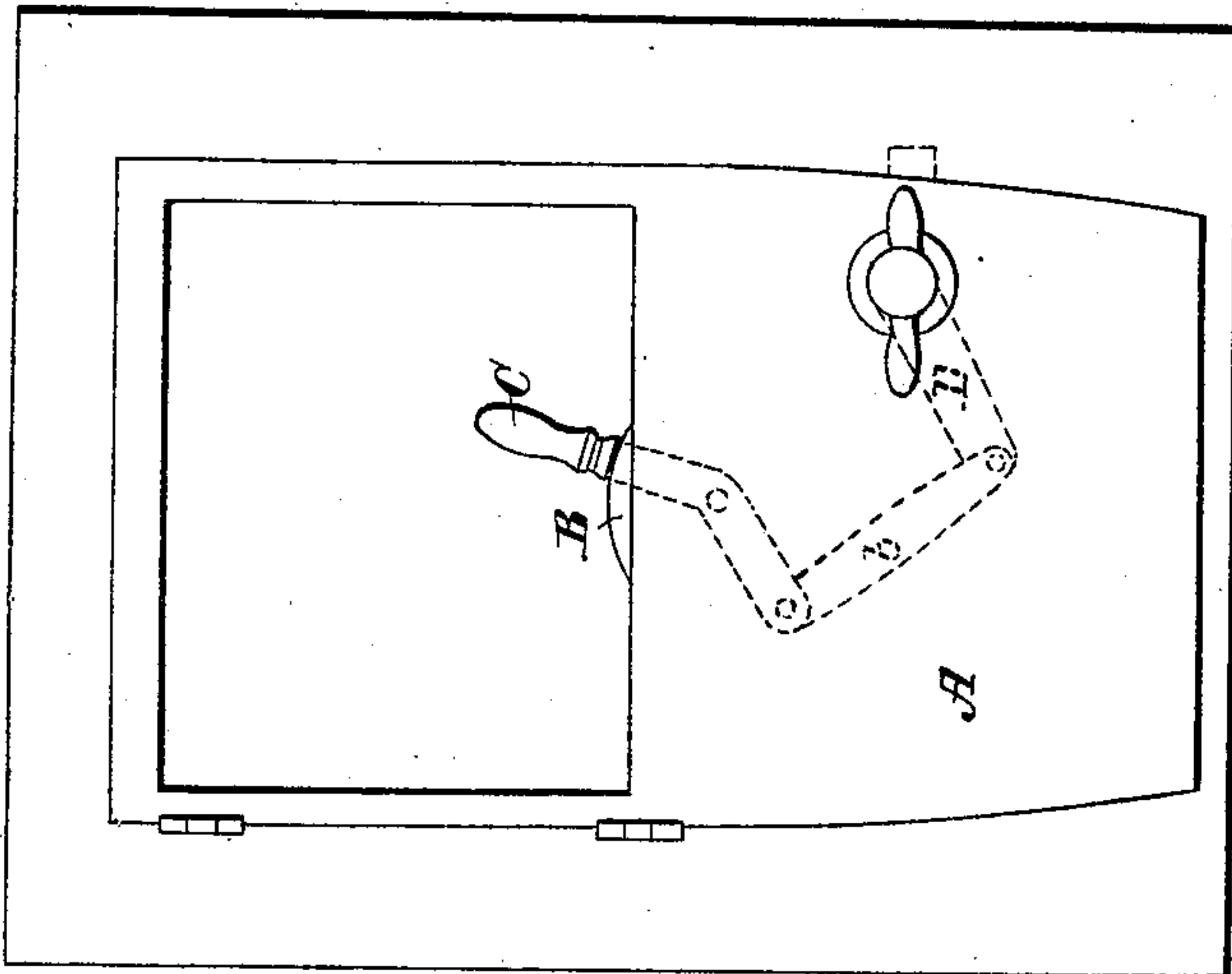
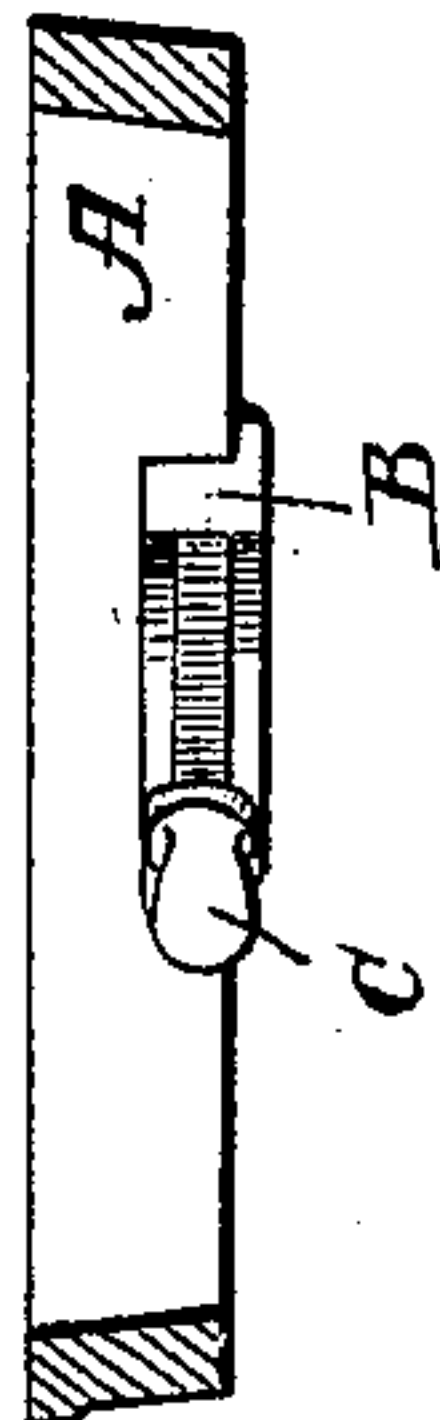


Fig. 3.



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# United States Patent Office.

JAMES PENFIELD AND DAVID F. WOOLSEY, OF BRIDGEPORT, CONNECTICUT.

*Letters Patent No. 95,832, dated October 12, 1869.*

## IMPROVEMENT IN COACH-DOORS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern :*

Be it known that we, JAMES PENFIELD and DAVID F. WOOLSEY, of Bridgeport, in the county of Fairfield, and State of Connecticut, have invented a new and valuable Improvement in Inside Handles for Coach-Doors; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a representation of our invention attached to a coach-door, as it appears from without.

Figure 2 is a representation of the same, viewed from the inside, with lining or flap of door removed to show the mechanism.

Our invention relates to coach-doors, and consists mainly in the construction and novel arrangement of devices, whereby the door can be readily opened from the inside.

The letter A, of the drawings, designates a coach-door.

B, a metal plate let into the top of the door, and having two cheeks, between which the lever C is secured by the pivot c.

The lever C, forming a slight elbow or bend at the pivot c, extends down, and is pivoted to one end of the bar b, the other end of which is pivoted to the free end of the lever D.

The lever D is rigidly secured to the end of the spindle E which passes through the tumbler of the lock.

The handle of the lever C, at its upper end, is the only part of this mechanism visible, and may be carved and ornamented in any suitable manner.

It will readily appear, that by operating the handle of the lever C, the bolt of the lock will be easily drawn.

This system of leverage is entirely concealed by the flap or lining of the door, and, therefore, cannot in any way catch in the clothing of the passengers.

The parts are so simple that it will seldom get out of order, and so light that it will not interfere with the motion of the lock.

What we claim as our invention, and desire to secure by Letters Patent, is—

The inside handle herein described, having operating lever C, pitman b, and lever D, in combination with the spindle E, of the tumbler of the lock of a coach door, constructed and arranged to operate substantially as specified.

In testimony that we claim the above, we have hereunto subscribed our names, in the presence of two witnesses.

JAMES PENFIELD.  
DAVID F. WOOLSEY.

Witnesses:

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