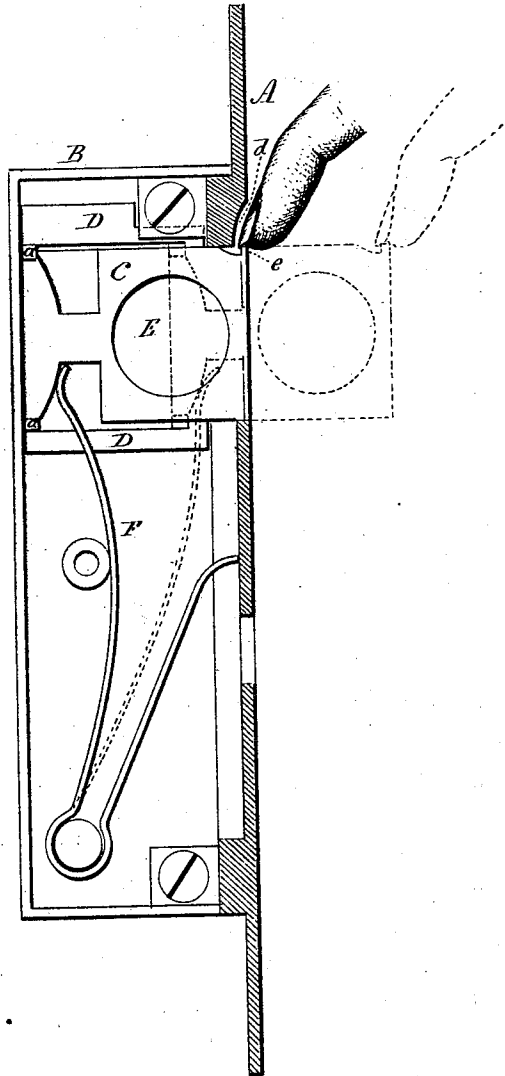


H. H. ELWELL.  
SLIDING DOOR-PULL.

No. 170,357.

Patented Nov. 23, 1875.



Witnesses:

J. H. Shumway.  
Chara Broughton.

Henry H. Elwell  
Inventor  
By atty.  
J. H. Earle

# UNITED STATES PATENT OFFICE.

HENRY H. ELWELL, OF NORWALK, CONNECTICUT, ASSIGNOR TO THE  
NORWALK LOCK COMPANY, OF SAME PLACE.

## IMPROVEMENT IN SLIDING-DOOR PULLS.

Specification forming part of Letters Patent No. **170,357**, dated November 23, 1875; application filed  
October 26, 1875.

*To all whom it may concern:*

Be it known that I, HENRY H. ELWELL, of Norwalk, in the county of Fairfield and State of Connecticut, have invented a new Sliding-Door Pull; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent a sectional side view, with the covering plate removed.

This invention relates to an improvement in device for closing sliding doors—that is to say, a device which may be arranged in the edge of the door, so that when the door is thrown into the wall, flush, the device for drawing out the door may be easily reached, and yet flush with the face-plate at all other times; and the invention consists in a slide, working through the face-plate, combined with a spring which will automatically draw the slide and hold it within the case, but so that, with the finger applied to the slide outside the face-plate, it may be drawn out and serve as a handle by which to move the door.

A is the face-plate, attached to a case, B, in the usual manner, for latch or lock fronts. C is a slide, arranged to work through an opening in the face-plate, and freely slide between guides D or other suitable guides. These may be horizontal, as represented, or inclined. In

this slide is a perforation, E, or other device, to form a handle when drawn out, as in broken lines. In connection with this slide is a spring, F, the tendency of which is to force the slide and hold it in the case flush with the surface of the face-plate. Suitable stops *a* are provided to come to a bearing when the slide is drawn out sufficiently.

For the purpose of easily drawing out the slide, a cavity, *d*, is formed in the face-plate, and a slight notch, *e*, in the slide, so that the finger may easily engage the notch *e*, as indicated, to draw out the slide. Another finger of the same hand, then inserted through the perforation E, enables the person to close the door, but so soon as the finger be disengaged from the slide the spring at once returns the slide into the case. This slide may be arranged either in the lock proper, or in the keeper, or may be used in a case independent of either, for the purpose of a door-pull.

I claim—

In combination with the face-plate and case, the slide C, working through said face-plate, with suitable guides to control its movement, and a spring to return or hold the said slide within the case, substantially as specified.

HENRY H. ELWELL.

Witnesses:

DUDLEY P. ELY,  
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