

E. DOEPKE.  
Shutter-Fastening.

No. 133,838.

Patented Dec. 10, 1872.

Fig. 1.

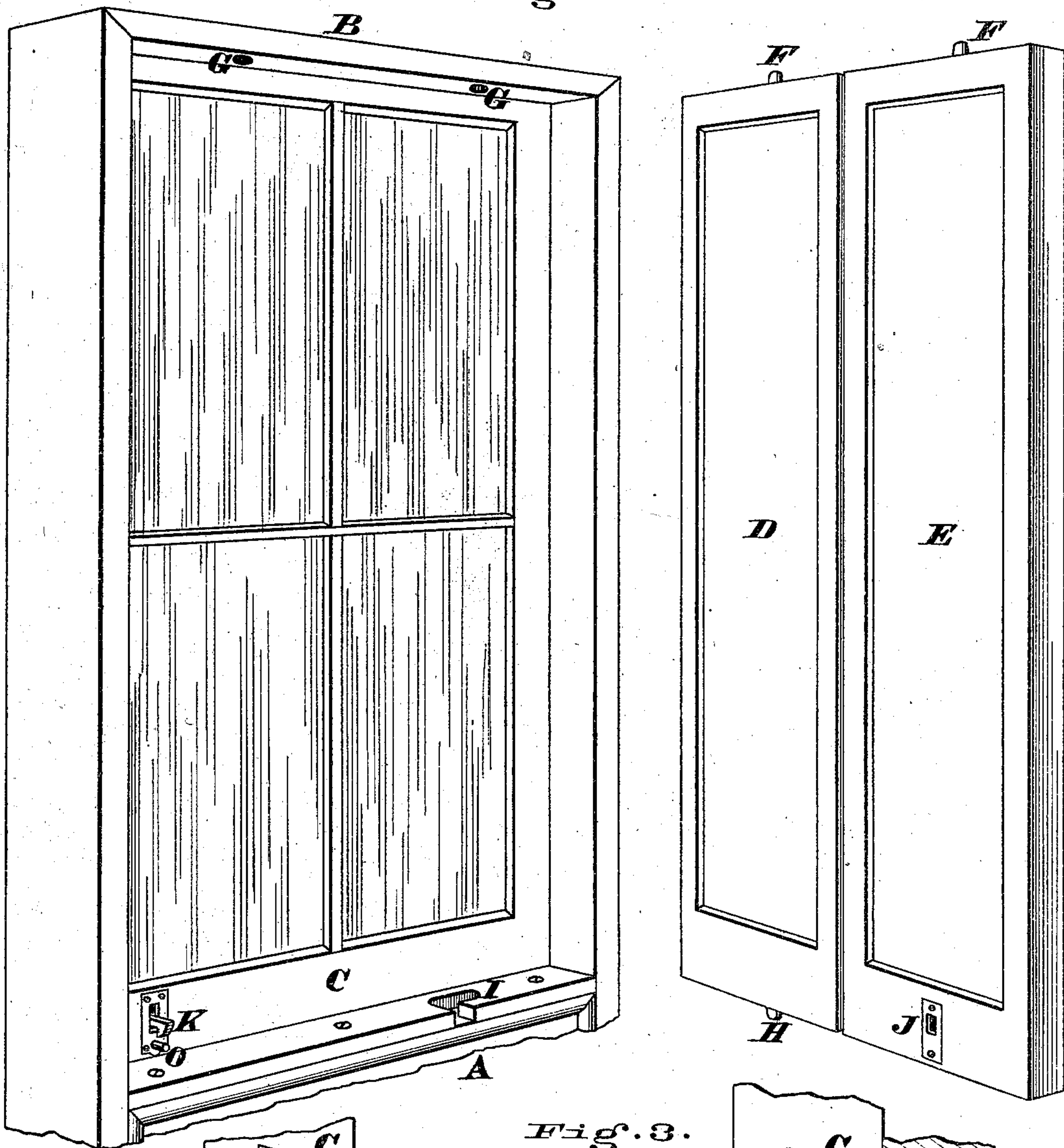


Fig. 3.

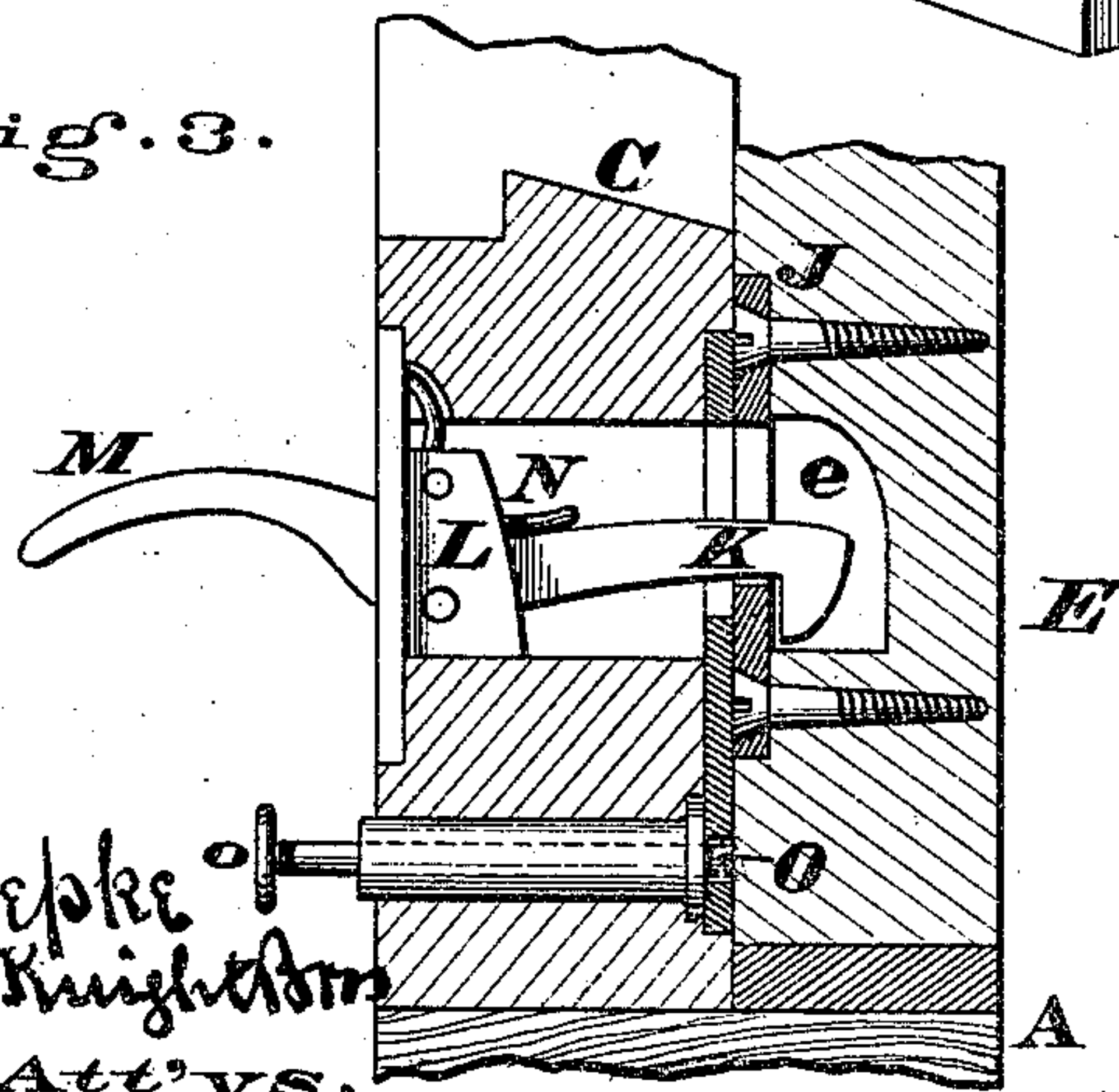
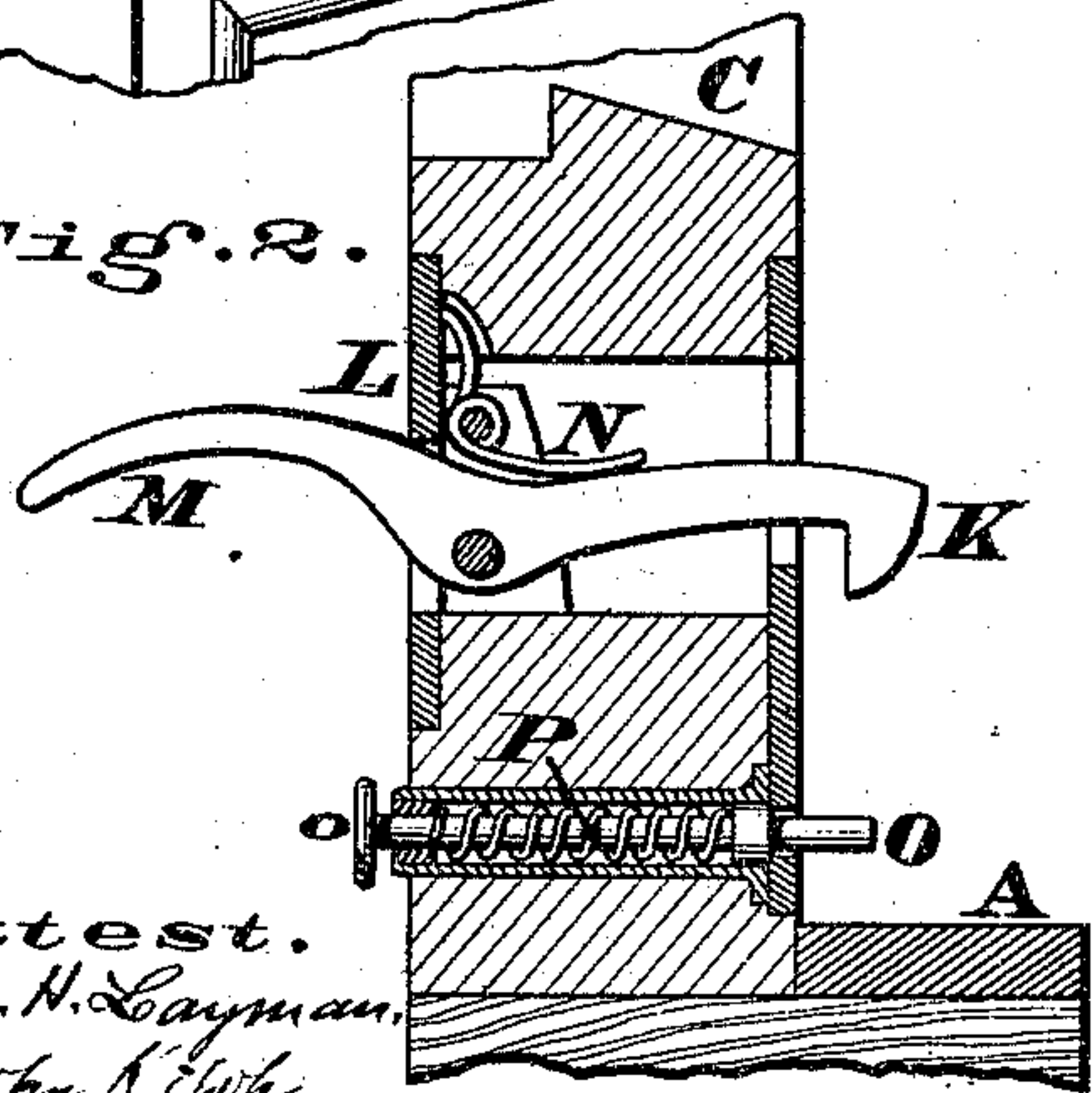


Fig. 2.



Attest.  
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Att'ys.



# UNITED STATES PATENT OFFICE.

FERDIENAND DOEPKE, OF CINCINNATI, OHIO.

## IMPROVEMENT IN SHUTTER-FASTENINGS.

Specification forming part of Letters Patent No. 133,838, dated December 10, 1872.

*To all whom it may concern:*

Be it known that I, FERDIENAND DOEPKE, of Cincinnati, Hamilton county, Ohio, have invented certain Improvements in Catch for Store-Shutters, of which the following is a specification:

### *Nature and Object of my Invention.*

My invention relates to an improved catch or fastening for the shutters of store fronts, whereby they can be fastened or unfastened with greater facility and expedition than by the usual means; and it consists in the combination of a spring-catch, push-pin, and socket-plate to secure or detach the lower part of a removable shutter, the upper end of which is held by dowels and sockets in customary manner.

### *Description of the Accompanying Drawing.*

Figure 1 is a perspective view of a window provided with my improved catch, the shutters of the window being shown detached. Fig. 2 is a vertical section of the catch proper with the shutter removed from the window-frame. Fig. 3 is a similar section, showing the shutter locked.

A represents the sill; B, the lintel; and C, the bottom rail or muntin of a store-window. D represents one of the ordinary shutters, and E represents the lock or closing shutter, each being provided at top with the customary dowel F entering a socket, G, in the lintel, and the shutter D, having also the usual lower dowel H for such shutter, entering the bayonet-notch I in the sill. The shutter E has an excavation, e, on its rear side, near its lower edge, to which is applied the slotted catch plate or striker J, which, when the shutter is pushed back to its place, receives the hooked extremity of a spring-catch, K, which is pivoted in a suitable box or housing, L, let into

the muntin, and has a handle, M, projecting through the store side of the window, so as to be operated from the inside to release the shutters by a person simply pressing on the said handle. N is a spring, which, pressing upon said hook, or underneath said handle, causes the hooked extremity to engage automatically in the simple closure of the shutters, as before stated.

The catch being elevated by depressing the handle, as above indicated, the shutter is automatically dislodged or shifted outward by a push-pin, O, that is controlled by a spring, P. Said pin extends through the window-frame to its outer side, and terminates in a knob or head, o, which, being struck smartly, causes the dislodgment of the shutter, even though the latter may be stuck fast by frost or other cause.

Where there is a bead in front of the window, as sometimes occurs, the catch must be of such dimensions as to reach the striker beyond the bead. For iron shutters the same devices can be employed, care having been exercised to give them sufficient strength for the purpose.

I am aware that the push-pin is not of itself new as applied to shutters, and also that shutters have been secured by dowel-pins and spring-catch, and this I do not claim; but

What I do claim, and desire to secure by Letters Patent, is—

The combination of the spring-catch K L M N, socket-plate J, and push-pin O P with the shutters secured by dowels and sockets, as described.

In testimony of which invention I hereunto set my hand.

FERDIENAND DOEPKE.

Witnesses:

GEO. H. KNIGHT,  
JAMES H. LAYMAN.