

H. H. HAM, Jr.  
Shutter-Fastener.

No. 162,546.

Patented April 27, 1875.

Fig. 1.

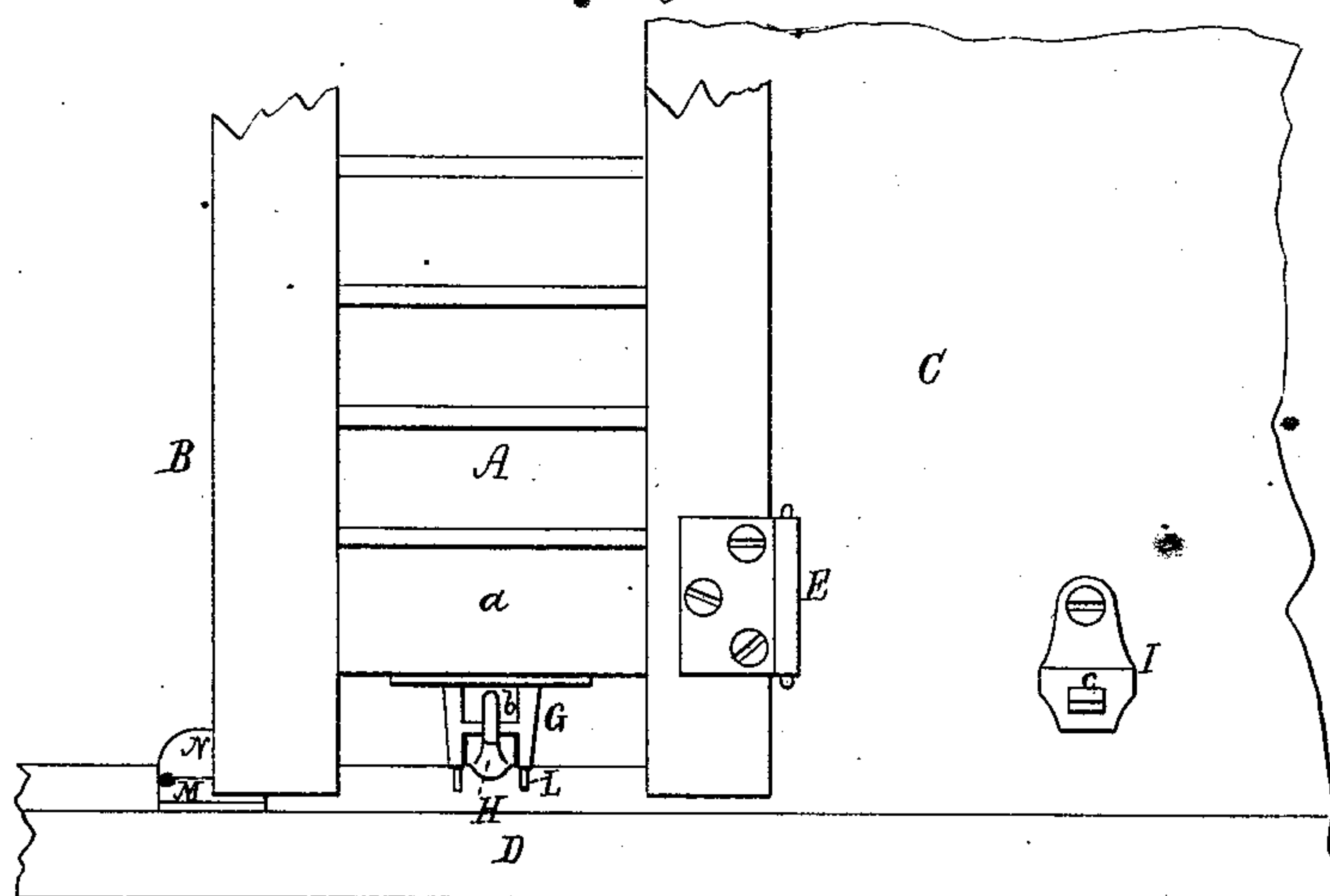


Fig. 2.

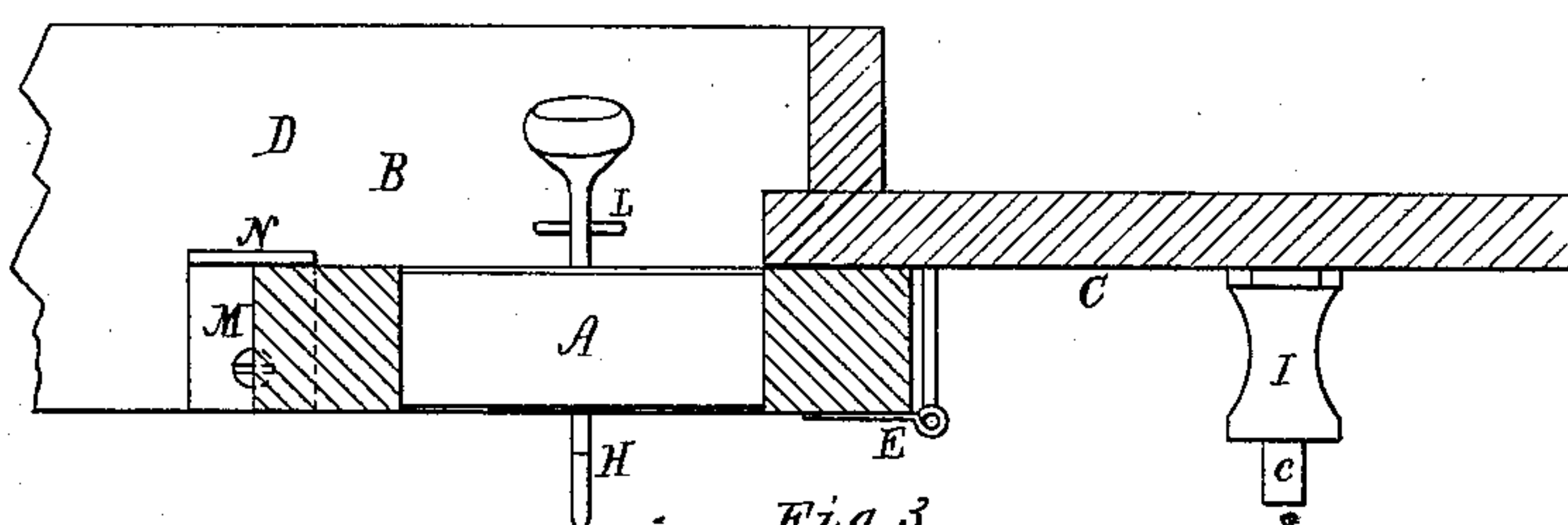


Fig. 3.

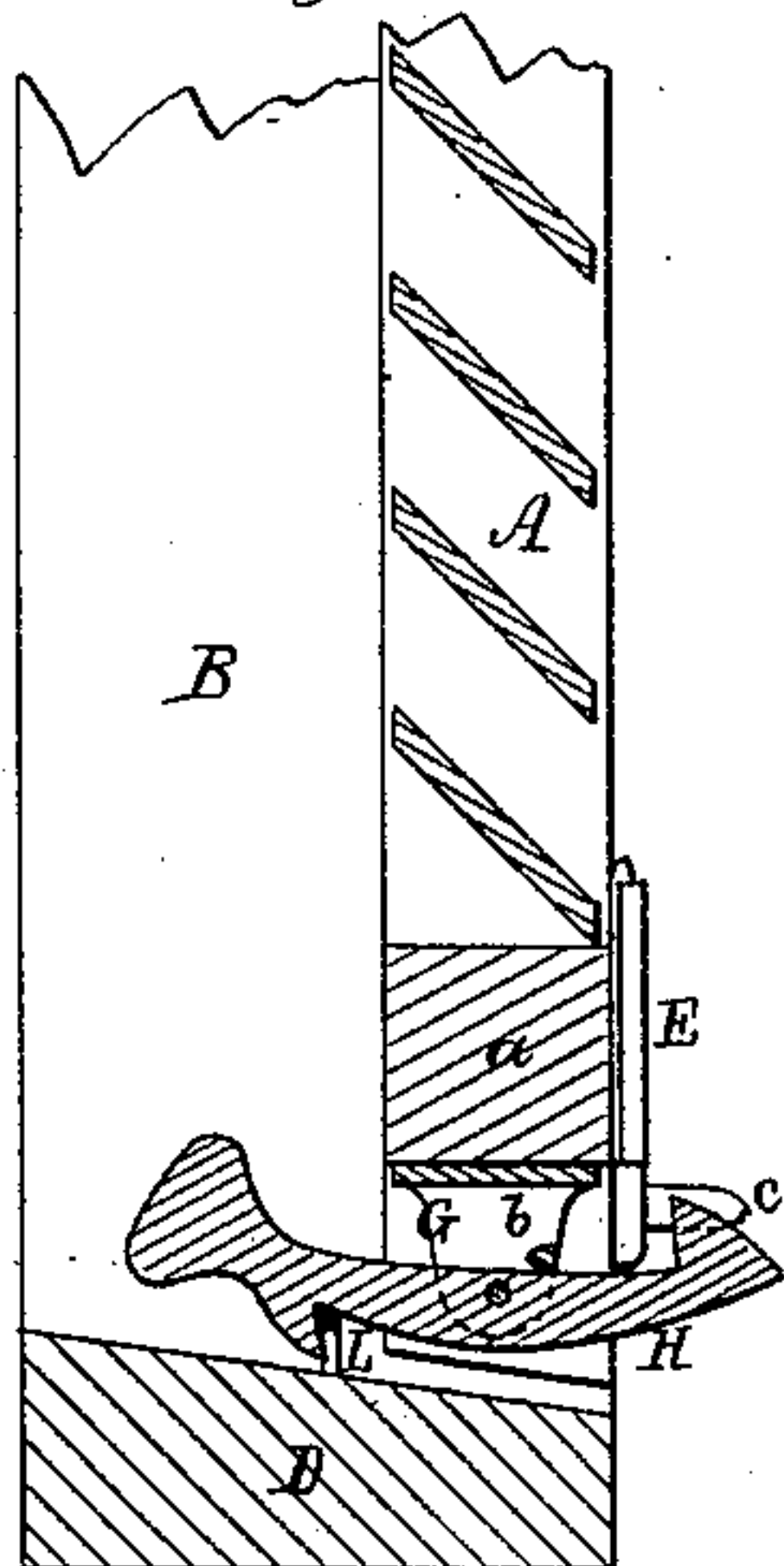
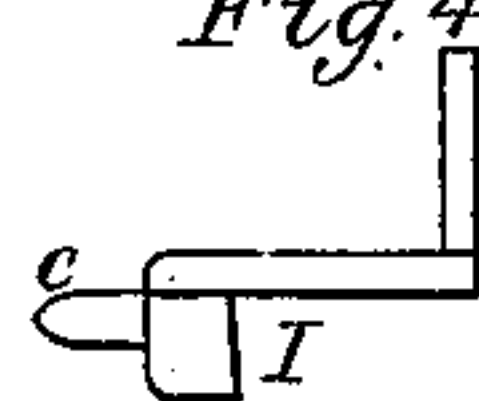


Fig. 5.



Fig. 4.



Witnesses:

S. W. Piper.  
L. N. Hollen

Henry H. Ham, Jr.

by his attorney,

R. H. Eddy

# UNITED STATES PATENT OFFICE.

HENRY H. HAM, JR., OF PORTSMOUTH, NEW HAMPSHIRE.

## IMPROVEMENT IN SHUTTER-FASTENERS.

Specification forming part of Letters Patent No. **162,546**, dated April 27, 1875; application filed March 24, 1875.

*To all whom it may concern:*

Be it known that I, HENRY H. HAM, Jr., of Portsmouth, of the county of Rockingham and State of New Hampshire, have invented a new and useful Improvement in Blind or Shutter Fastenings; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which--

Figure 1 is a front elevation; Fig. 2, a horizontal section; Fig. 3, a transverse section of a window-opening and parts adjacent thereto, and a blind provided with my invention; and Figs. 4 and 5, detail views.

My invention consists in a combination of a catch and its tenon applied to the front of a building, with a gravitating latch and its carrier, provided with a mortise and fixed to a shutter or blind, all being substantially as hereinafter explained.

In the drawings, A denotes the blind, B the window-opening, and C the wall or part in which such is made, D being the sill. The blind supported in the usual manner on hinges E E has affixed to its lower rail *a* the carrier G of a gravitating duplex-latch, H, shaped as represented, the said latch being pivoted to the carrier. Over the latch the carrier is provided with a mortise or opening, *b*, going partially or wholly through the carrier and on a level with a tenon, *c*, projecting, as shown, from a hook or back catch, I, fixed to the wall or front of the building, and suitably formed to co-operate with the gravitating duplex-latch. The catch I is shown in side elevation in Fig.

4. It answers also as a back stop for the blind, which, when turned back, has the tenon projecting into the mortise or opening. The front catch shown at L is a staple driven into the sill. Furthermore, there is fixed to the sill a metallic inclined plane, M, having a shoulder or stop, N, extending up from it, as shown, especially in Fig. 5, which is an edge view of the two. The inclined plane and the stop are arranged so that when the blind is closed the foot of the inner vertical bar of it shall rest on the top of the inclined plane, and bring up against the stop. The stop, in conjunction with the latch, will prevent the blind from rattling when closed, particularly during a high wind, the inclined plane serving to prevent sagging of the blind. The blind, on being opened or closed, readily becomes automatically fastened in place.

I do not claim a gravitating duplex-latch combined with fore and back catches, such being applied to a blind or shutter and a building, to which it may be hinged.

I claim—

The combination of the catch I, and its tenon *c*, applied to the front of a building, with a gravitating-latch, H, and its carrier G, provided with the mortise *b*, and fixed to a shutter or blind, all being substantially as specified.

HENRY H. HAM, JR.

Witnesses:

R. H. EDDY,  
J. R. SNOW.