

(No Model.)

G. B. LEHY.  
BOX FASTENING.

No. 335,822.

Patented Feb. 9, 1886.

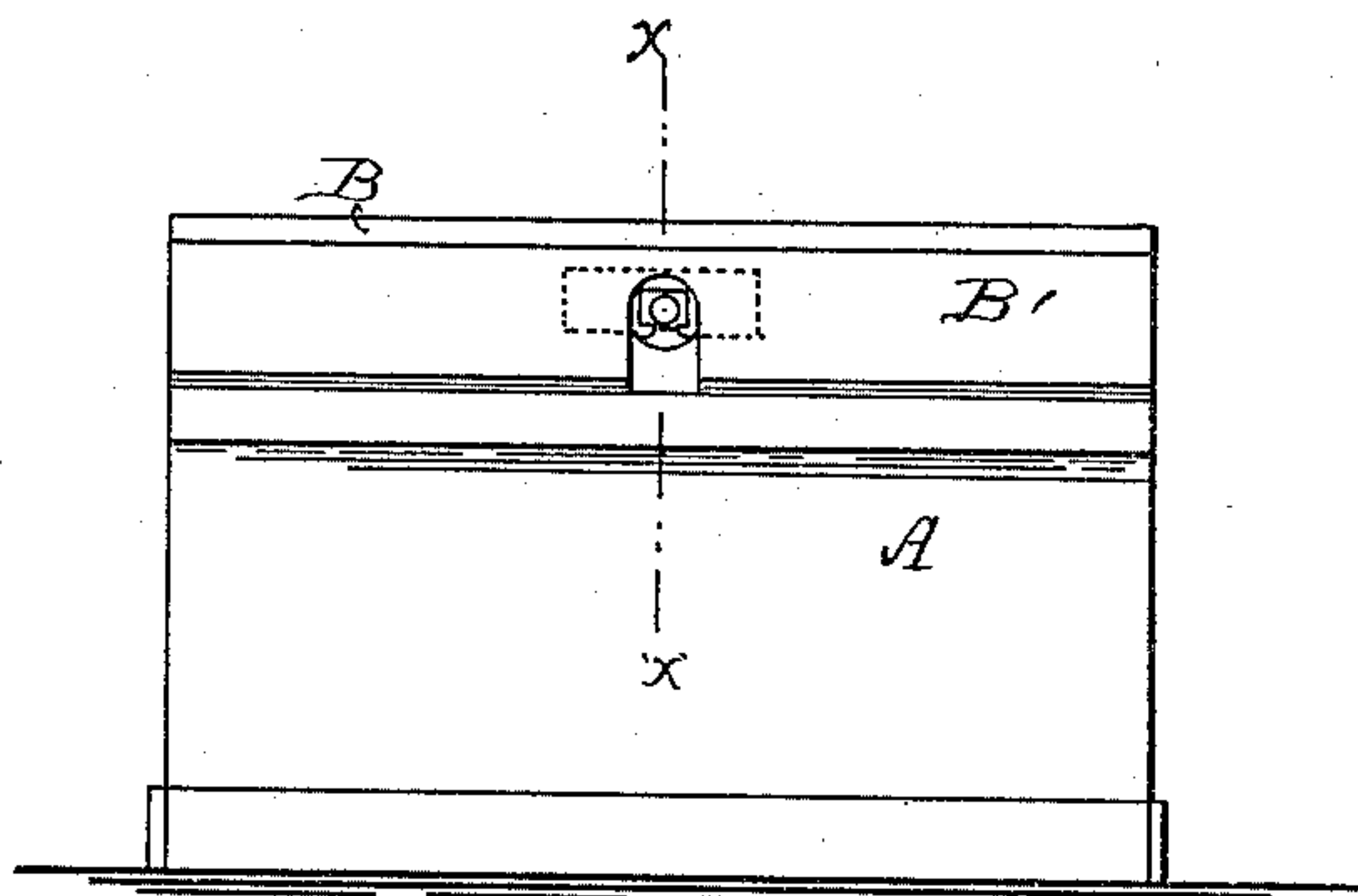


Fig. 1.

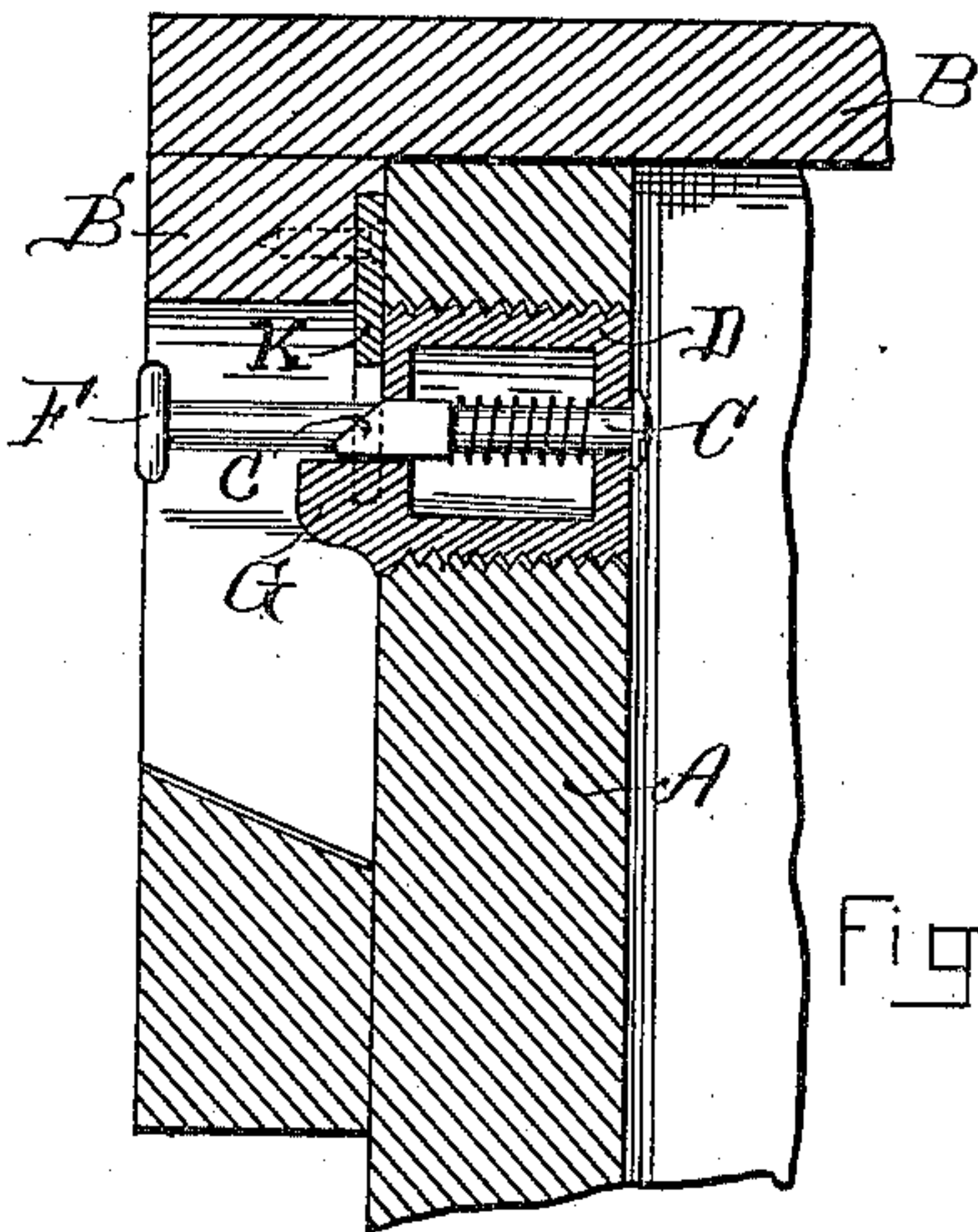


Fig. 3.

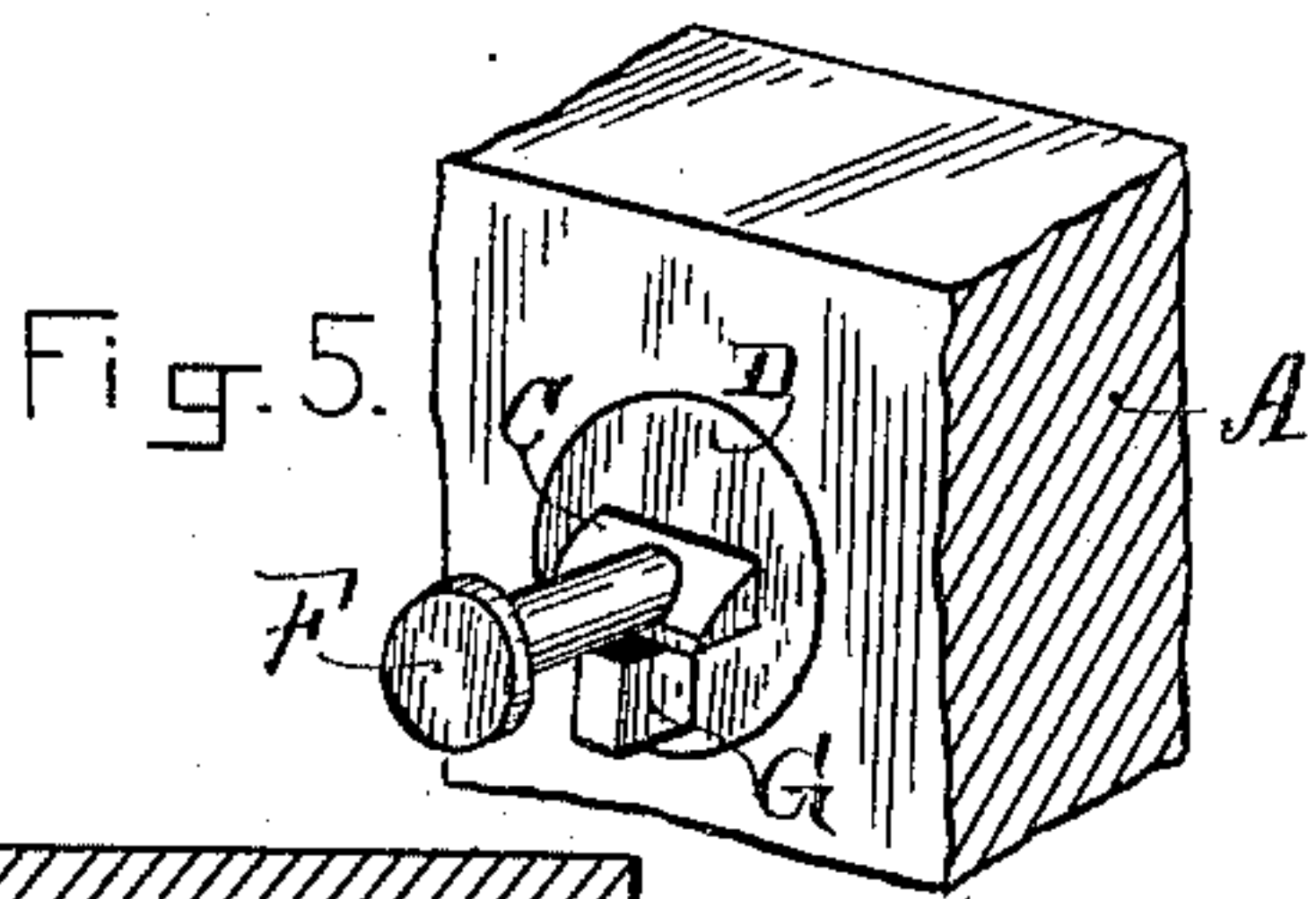


Fig. 5.

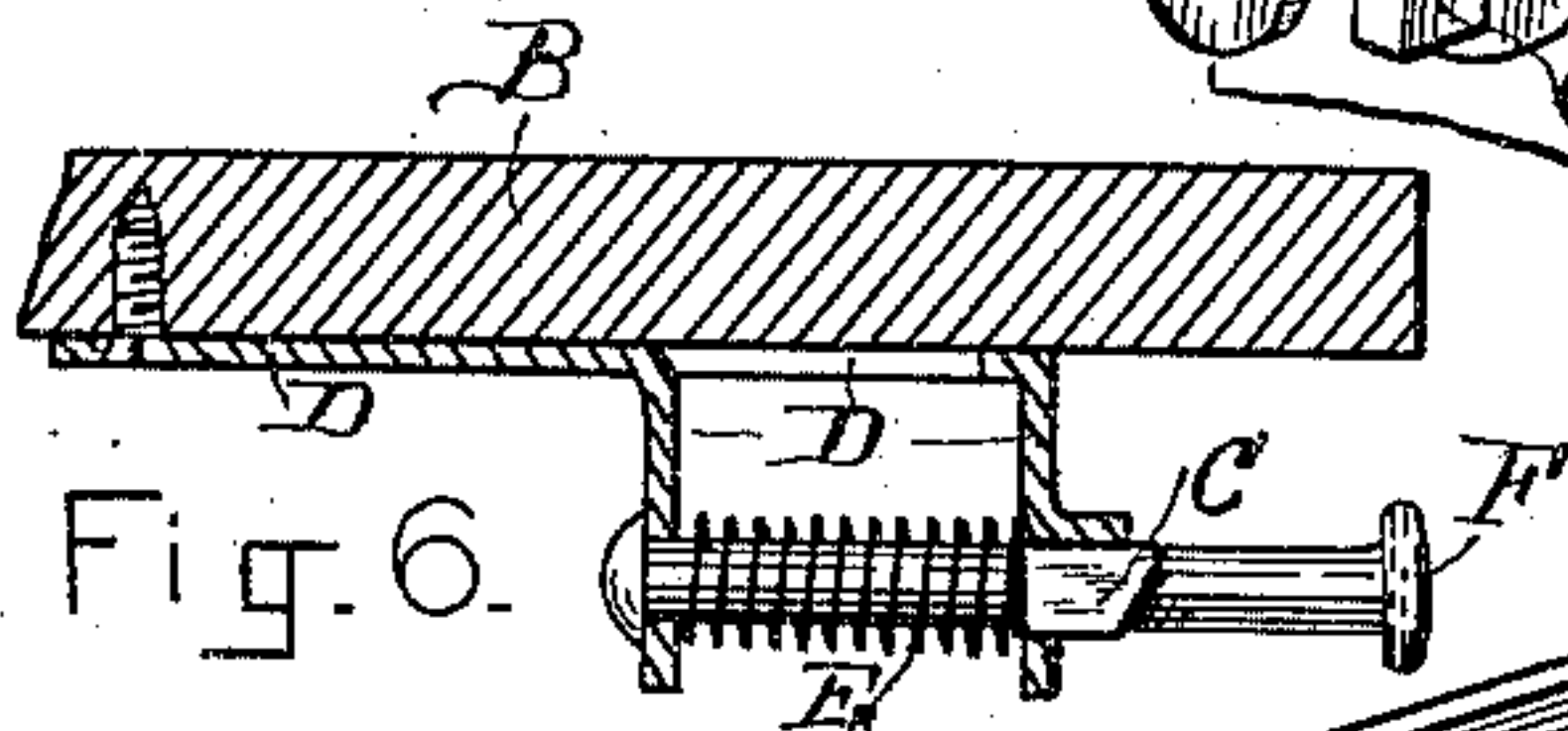


Fig. 6.

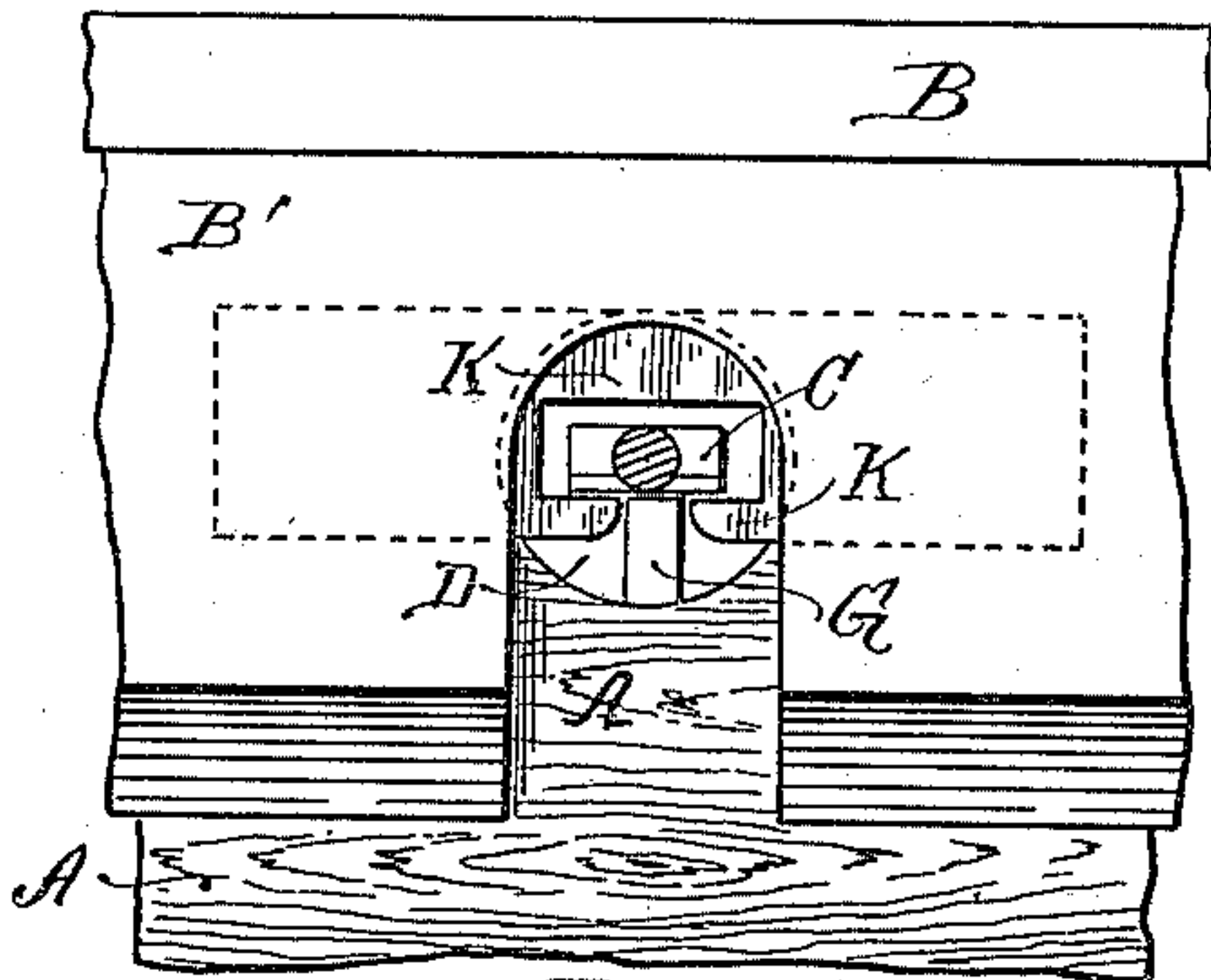


Fig. 4.

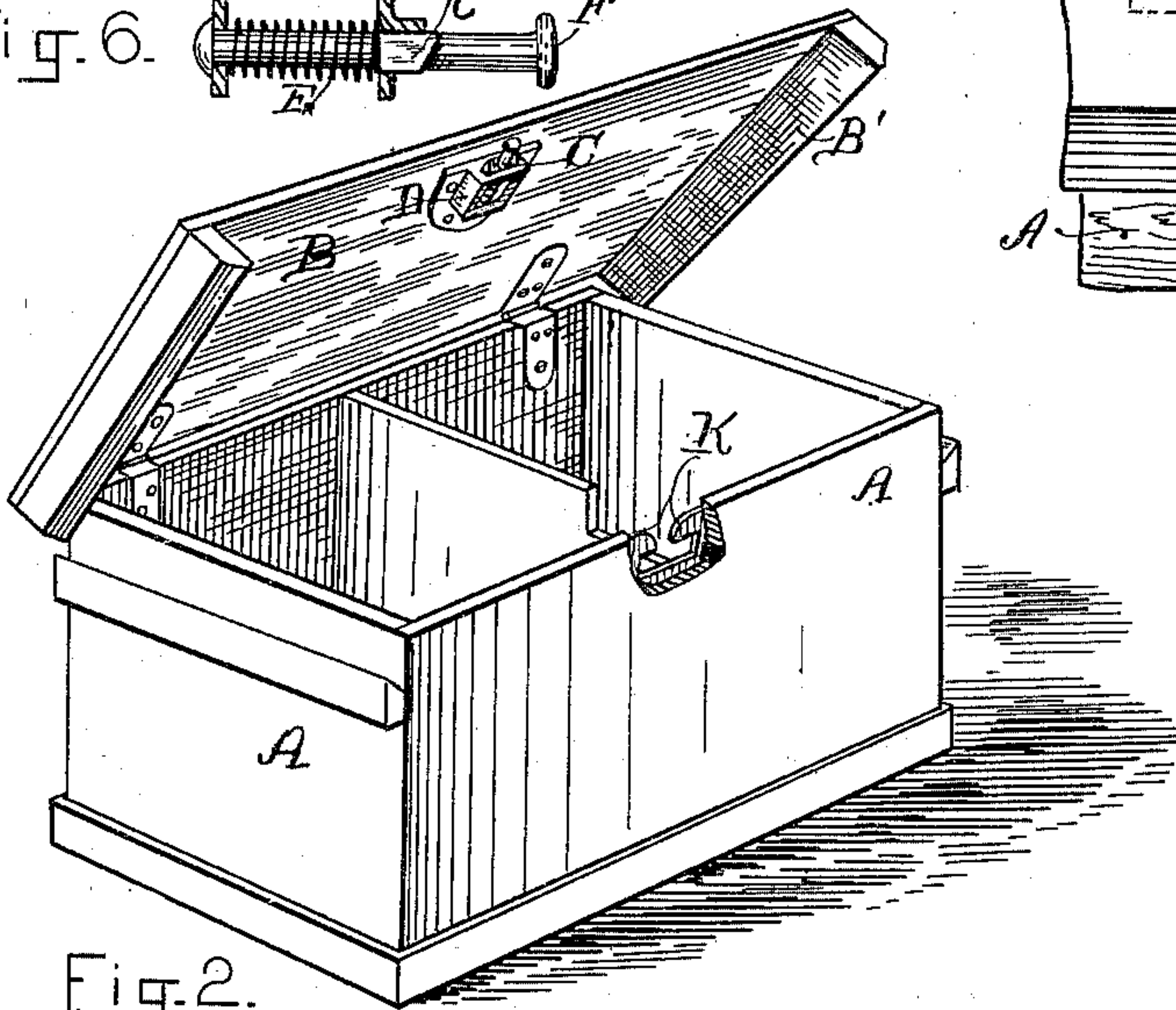


Fig. 2.

WITNESSES:  
Chas. S. Gooding.  
E. A. Phelps.

INVENTOR:  
Geoffrey B. Leahy,  
by attorney A. H. Fennell



# UNITED STATES PATENT OFFICE.

GEOFFREY B. LEHY, OF BOSTON, MASSACHUSETTS.

## BOX-FASTENING.

SPECIFICATION forming part of Letters Patent No. 335,822, dated February 9, 1886.

Application filed March 27, 1885. Serial No. 160,201. (No model.)

*To all whom it may concern:*

Be it known that I, GEOFFREY B. LEHY, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Box-Fastenings, of which the following is a specification.

My improvements are especially applicable to shipping-cases—such as are employed in transporting eggs, bottles, and the like, and known as “return-cases,” since they are returned to the sender to be filled again and again. In such cases it is important that the fastenings be made secure, and yet that the covers be capable of speedy removal and replacement.

My invention relates to the improved catches, as stated in the appended claims.

In the drawings, Figure 1 is an elevation, and Fig. 2 a perspective view, of a case embodying my improvements. Fig. 3 is an enlarged vertical section on the line *x x*, Fig. 1. Figs. 4, 5, and 6 are details of the catches.

A is the case, and B the cover, secured to each other either by both hinges and a catch, as in Fig. 2, or by a spring-catch at each end, as in Figs. 3 and 4. In the one case the cover remains connected to the box; in the other it is detachable from it.

The catches consist of a sliding bolt, C, working horizontally in a casing, D, with a coiled spring, E, to press the bolt forward. The outer end of the bolt has a push-button, F, by which it may be pressed back against the resistance of the spring. The bolt C engages with a slotted catch-plate, K, which plate, when pressed down upon the beveled face of the bolt, retracts it, and when the cover is in its working position the spring has again pressed the bolt forward, and the plate K and bolt C are engaged, as in Figs. 3 and 4.

The bolt and its casing may be secured to the cover and the catch-plate made fast to the box, as in Figs. 2 and 6; but I prefer to fix the plate to the depending flange B' of the cover and introduce the bolt into a recess in the side

or end of the box, as in Figs. 3, 4, and 5, where the casing is shown as a threaded cylinder screwed into a round hole in the box, as the simplest and best mode of attachment.

A peculiar feature of my fastenings is the lug G, preferably formed on the casing D, to prevent lateral strain on the bolt C and to facilitate the removal of the cover. This lug serves that end by standing between the points of the catch-plate, as best shown in Fig. 4, so that the cover cannot, by lateral pressure upon it, crowd the bolt sidewise; nor can the prongs of the catch-plate strike the underside of the stem of the push-button, and thus interfere with raising the cover when the bolt C is pressed inwardly to release it.

Any suitable form of hinge may be employed which will permit the cover to swing freely and lock readily.

I claim as my invention—

1. The case A and cover B, in combination with the spring-bolt having a projecting stem and push-button extending axially outward beyond its beveled face, and with the slotted catch-plate K, substantially as and for the purpose set forth.

2. The case A and cover B, in combination with the spring-bolt C, having a beveled face and projecting stem and push-button, and with the catch plate K, and lug G, substantially as and for the purpose set forth.

3. The threaded cylindrical casing D, having the lug G, cast integral therewith, in combination with the slotted catch-plate K and with the bevel-face spring-bolt C, provided with a push-button and stem integral therewith, substantially as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 14th day of March, A. D. 1885.

GEOFFREY B. LEHY.

Witnesses:

A. H. SPENCER,  
E. A. PHELPS.