

(No Model.)

G. S. RANDALL.
BOX FASTENER.

No. 256,737.

Patented Apr. 18, 1882.

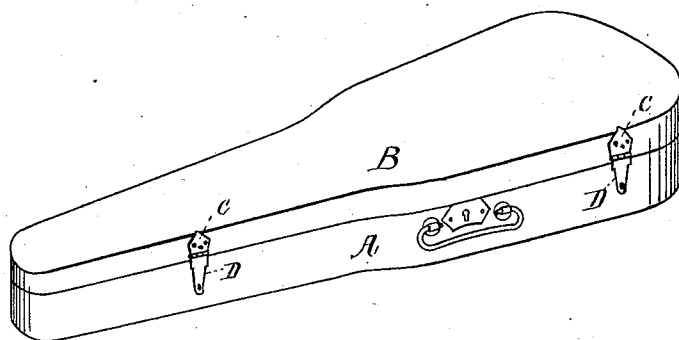


Fig. 1.

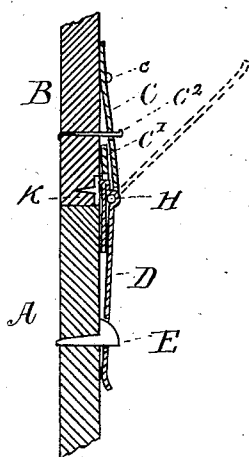


Fig. 2.

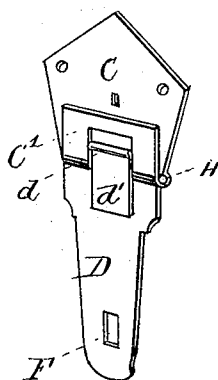


Fig. 4.

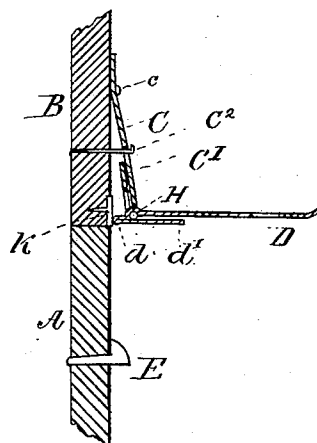


Fig. 3.

WITNESSES

A. O. Orme

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INVENTOR

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UNITED STATES PATENT OFFICE.

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BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 256,737, dated April 18, 1882.

Application filed March 8, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. RANDALL, a citizen of the United States, residing at Marshfield, in the county of Plymouth and State of Massachusetts, have invented a certain new and useful Improved Clasp for Boxes, of which the following is a specification.

The object of my invention is to construct in a cheap manner a self-latching spring-clasp, to be used for light boxes and cases. I attain this object by mechanism shown in the drawings, in which—

Figure 1 is a perspective view, showing a violin-box with my improved clasp attached. Fig. 2 is a vertical section, showing a part of the box and its lid with my improved clasp in position, dotted lines indicating the position of the latch of the clasp when thrown up. Fig. 3 is a section of the same with the latch of the clasp turned partly up. Fig. 4 is a perspective view of the clasp, looking at the back.

In the drawings, Figs. 1, 2, and 3, A and B represent the body and lid of the box or case to which my invention is attached.

The fixed part C of my clasp is made of thin spring metal and formed with a return bend, C', Figs. 3 and 4, which incloses in its fold a pintle-wire, H. The part C is also cut into for the purpose of admitting an upper projection, d d', from the latch D, as shown in Fig. 4, said latch D being arranged to hinge on the pintle H, as shown in Figs. 2 and 4.

The part C above described is attached to the lid of the case by means of screws or nails c c; but being made of thin spring metal, its lower end will yield to leverage, so as to be drawn away from the lid, as shown in Fig. 3, when the part D is turned up.

The latch D of the clasp is hinged by the pintle H (see Figs. 3 and 4) to the upper part, C, already described. In forming the part D I so shape and fold it that it has a projection, d, Figs. 3 and 4, and the fold d'. The projection d has a cam-like action when the part D is turned up, as shown in Fig. 3—that is, it operates against the spring reaction of the part C, its function being to coact with the spring part C to hold the latch D either closed, as shown in full lines in Fig. 2, or thrown up, as indicated by dotted lines in the same figure.

K, Figs. 2 and 3, is a piece of metal inserted into the lid for the purpose of preventing the projection d from injuring the wood-work of the case.

E, Figs. 2 and 3, is a stud or catch projecting from the case, and serves as a pin upon which the latch D hooks, the latch being perforated, as shown at F, Fig. 4. C² is a stud to limit the motion of the part C.

It will be understood from the above description that the latch part D will be held down, as shown in Fig. 2, by the spring action of the part C, or when turned up to the position indicated in dotted lines in Fig. 2 it will be held there.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a box-fastener, the combination of the spring part C C' and the pintle H with the latch part D d d' and catch E, operating together substantially as described, and for the purpose set forth.

GEORGE S. RANDALL.

Witnesses:

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