

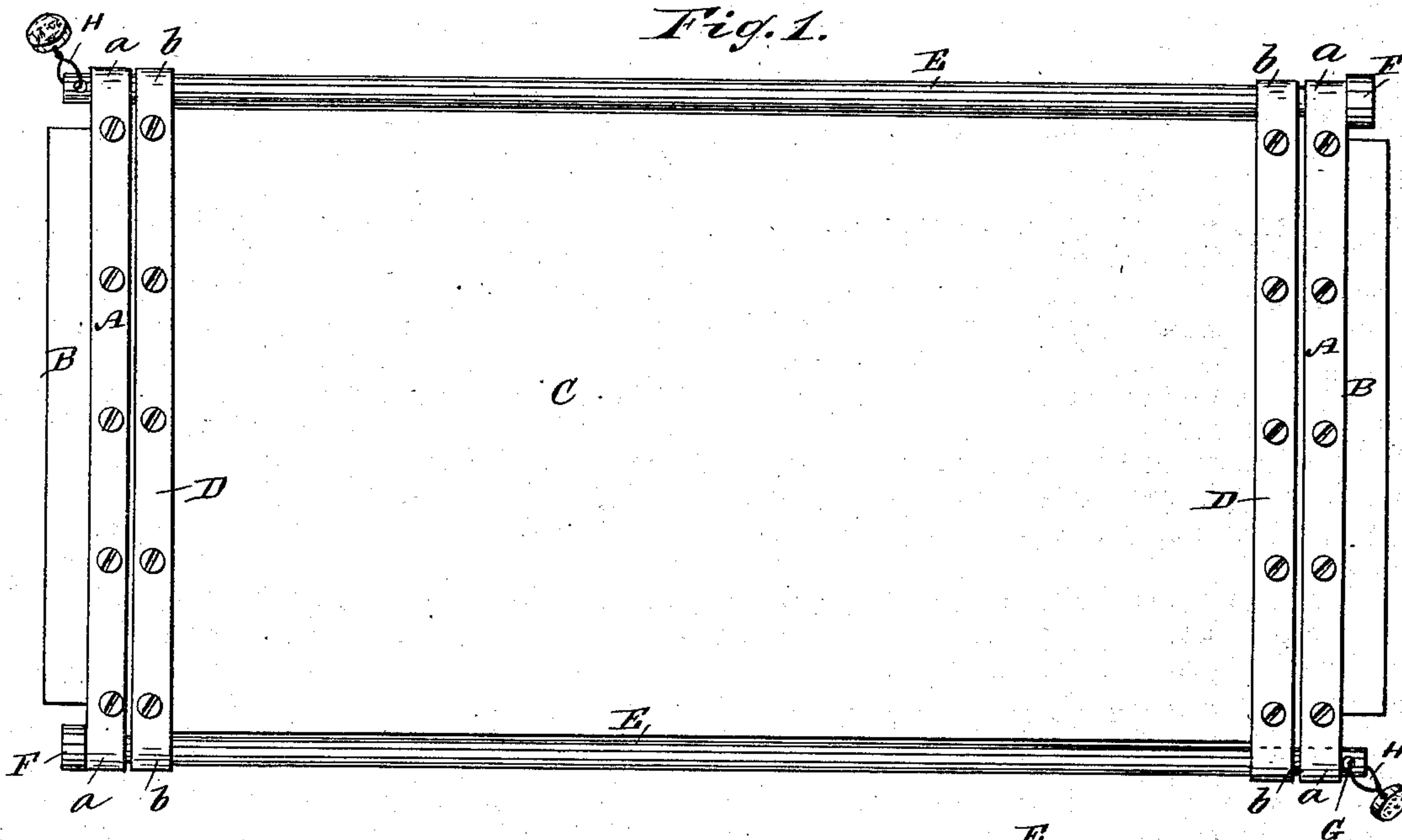
(Model.)

H. KROG, Sr.

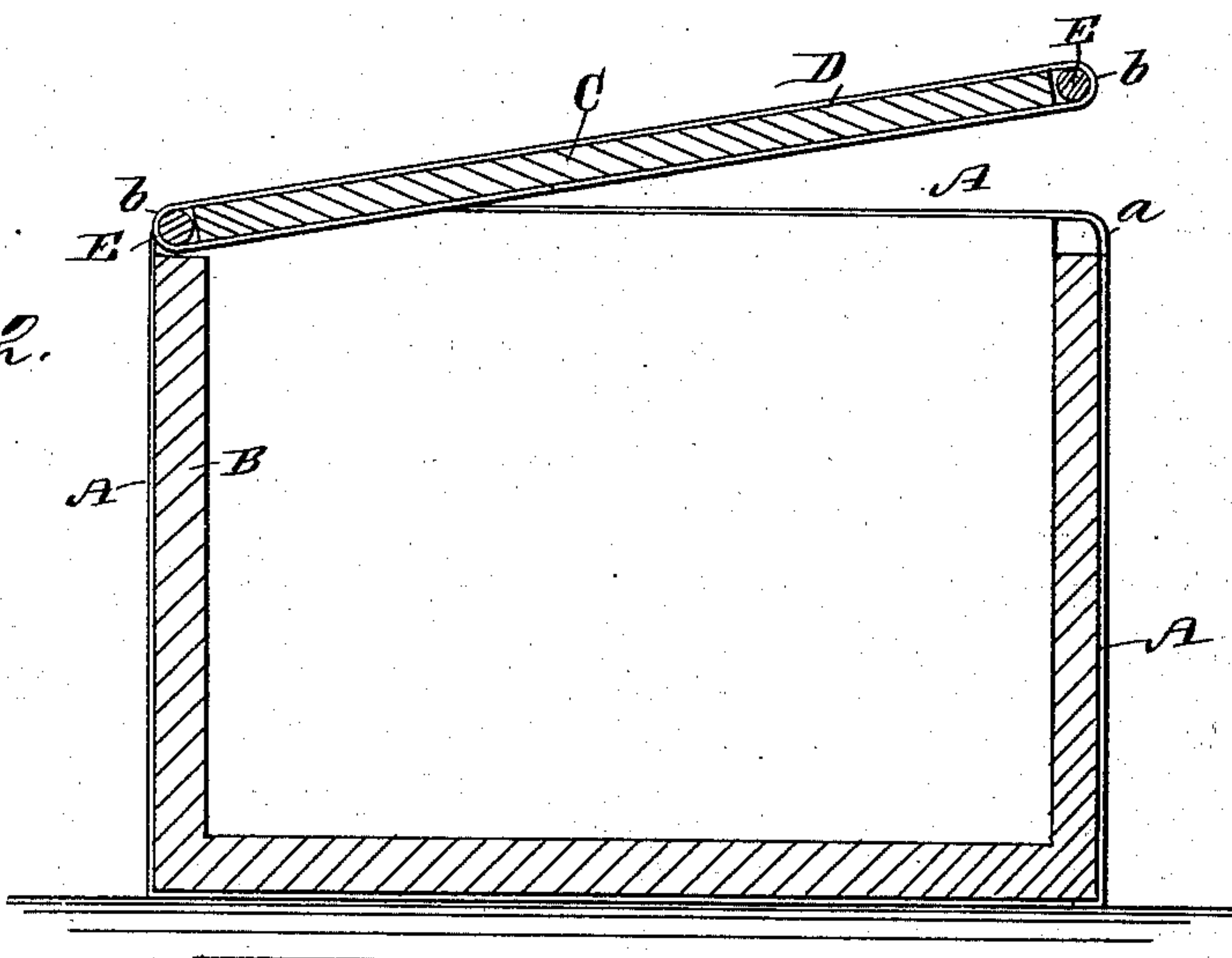
BOX FASTENER.

No. 317,146.

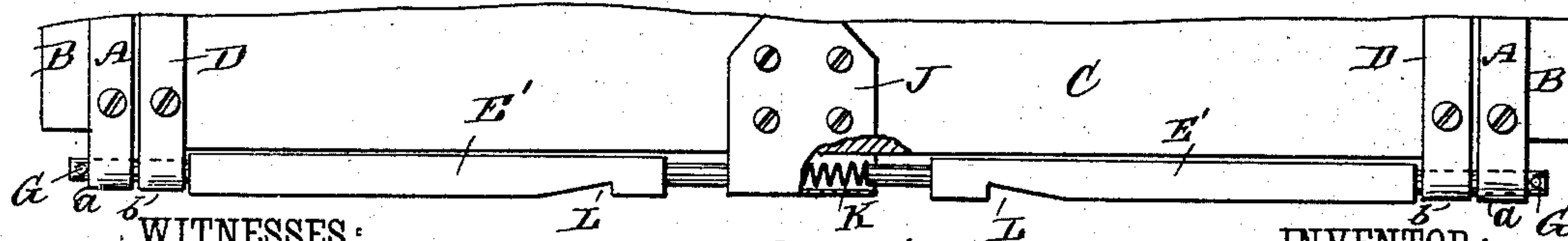
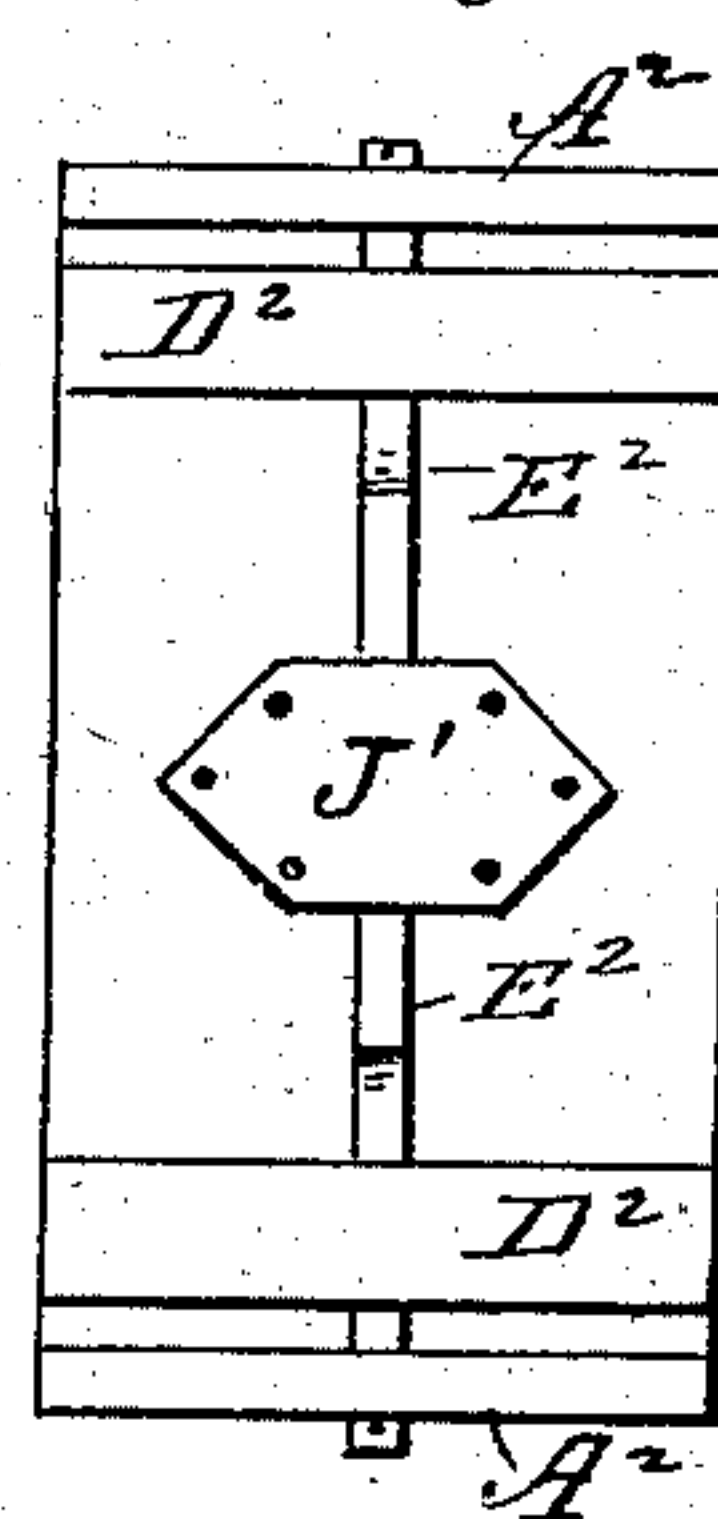
Patented May 5, 1885.



*Fig. 2.*



*Fig. 4.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY KROG, SR., OF WASHINGTON, MISSOURI.

## BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 317,146, dated May 5, 1885.

Application filed July 15, 1884. (Model.)

*To all whom it may concern:*

Be it known that I, HENRY KROG, Sr., of Washington, in the county of Franklin and State of Missouri, have invented a new and Improved Box-Hinge and Fastening Device, of which the following is a full, clear, and exact description.

This invention has for its object to provide a new and improved box possessing certain peculiar characteristics as hereinafter pointed out.

The invention consists in the combination, with a box having loops or eyes formed on the top edges of its sides at the ends, of a cover having loops on its side edges at the ends, and of rods adapted to be passed through the loops or eyes on the box and cover, and thus lock the cover in place to form a hinge for the cover.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a box provided with my improved hinge and fastening. Fig. 2 is a cross-sectional elevation of the same. Fig. 3 is a plan view of a modification, parts being broken out and others shown in section. Fig. 4 is plan view of another modification.

A metal band or strap, A, is passed around the box B at each end and secured to the box, the straps being arranged in such a manner as to form eyes *a* above the upper edge of each side of the box at each end.

The cover or lid C has such a length that it fits between the inner edges of the end straps, A, and at the ends of the cover straps D are secured on the upper and lower surface, which bands or straps D form eyes or loops *b* on the ends of the longitudinal edges of the cover or lid. When the cover is on the box, the eyes or loops *a* and *b* coincide.

A rod, E, preferably made of wood, and having a head, F, on one end and an aperture, G, for a seal-wire, H, or key on the other end, is passed through the corresponding eyes or loops, *a b*, on one edge of the cover or lid and of the box, the rod being thus held against a longitudinal edge of the lid. Then the seal wire or key is passed through the aperture G, thus locking the rod in place and preventing its being withdrawn. By a rod, E, on each longitudinal edge the

cover is held in place on the box. If one rod is withdrawn, the cover can be turned and swung up on the other, as shown in Fig. 1, so that the rod serves as a hinge as well as a locking device. As the rods E are to rest on the upper edges of the sides of the box, the width of the cover must be less than the outer width of the box.

In the modification shown in Fig. 3 the rod is formed of two sections, E' E', of which the inner ends pass into a socket, J, formed by a plate projecting from the longitudinal edge of the cover at the middle, and a spiral spring, K, contained in the socket, is interposed between the adjacent ends of the rod sections, and presses the said rod-sections from each other, thus keeping the outer ends of the rod-sections in the loops or eyes *a b*.

The rod-sections E' are provided with notches L, for receiving the fingers to withdraw the outer ends of the rod-sections from the loops or eyes *a b*; or the rod-sections can be provided with handle-pieces. The rod-sections E' are also provided at the outer ends with the apertures G.

The above-described fastening device and hinge can be used on boxes of all kinds, either rigid or folding.

In the modification shown in Fig. 4 two bars, E<sup>2</sup>, are provided, which extend longitudinally over the center of the cover C, and have their inner ends held under a plate, J', suitable springs being interposed between the ends of the bars E<sup>2</sup> to press them outward. The ends of the bars E<sup>2</sup> are passed through loops formed in transverse bands D<sup>2</sup> and A<sup>2</sup> on the ends of the cover.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, with the box having loops at the ends of the upper edges of its sides, of the cover having loops at its longitudinal edges, and the rod-sections acted upon by a spring to effect the automatic projection of their ends into the box-loops, and to permit the ready retraction of the said rod-sections from said latter loops in removing the cover, substantially as set forth.

HENRY KROG, SR.

Witnesses:

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