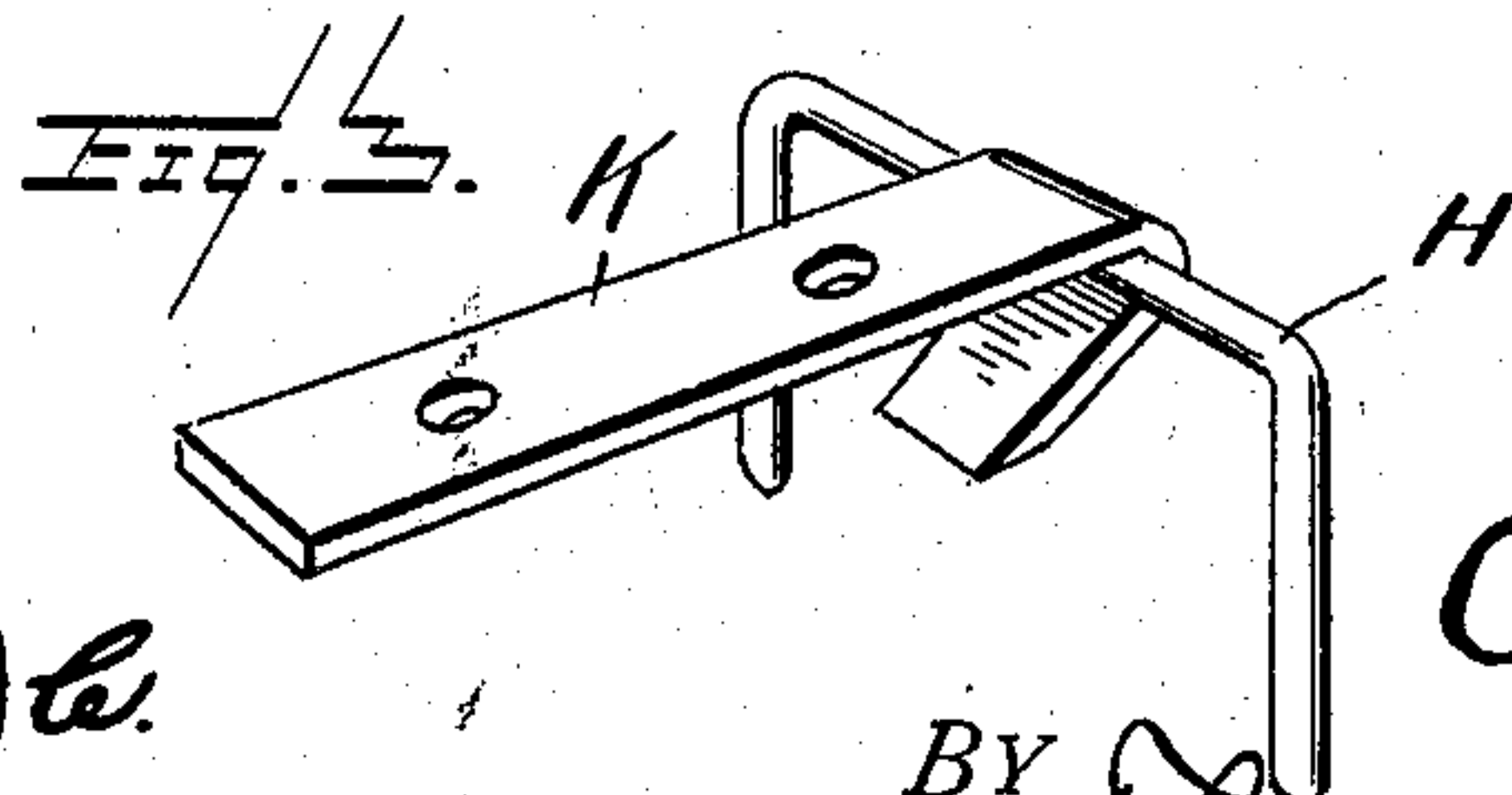
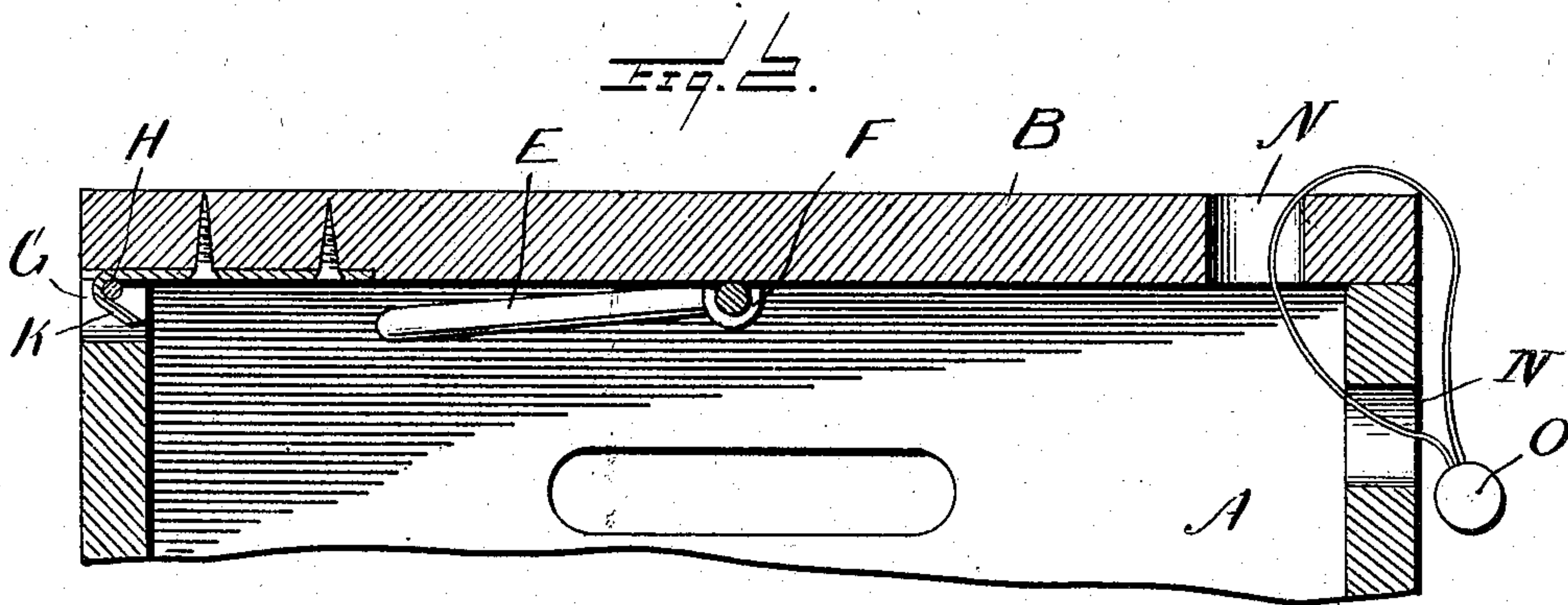
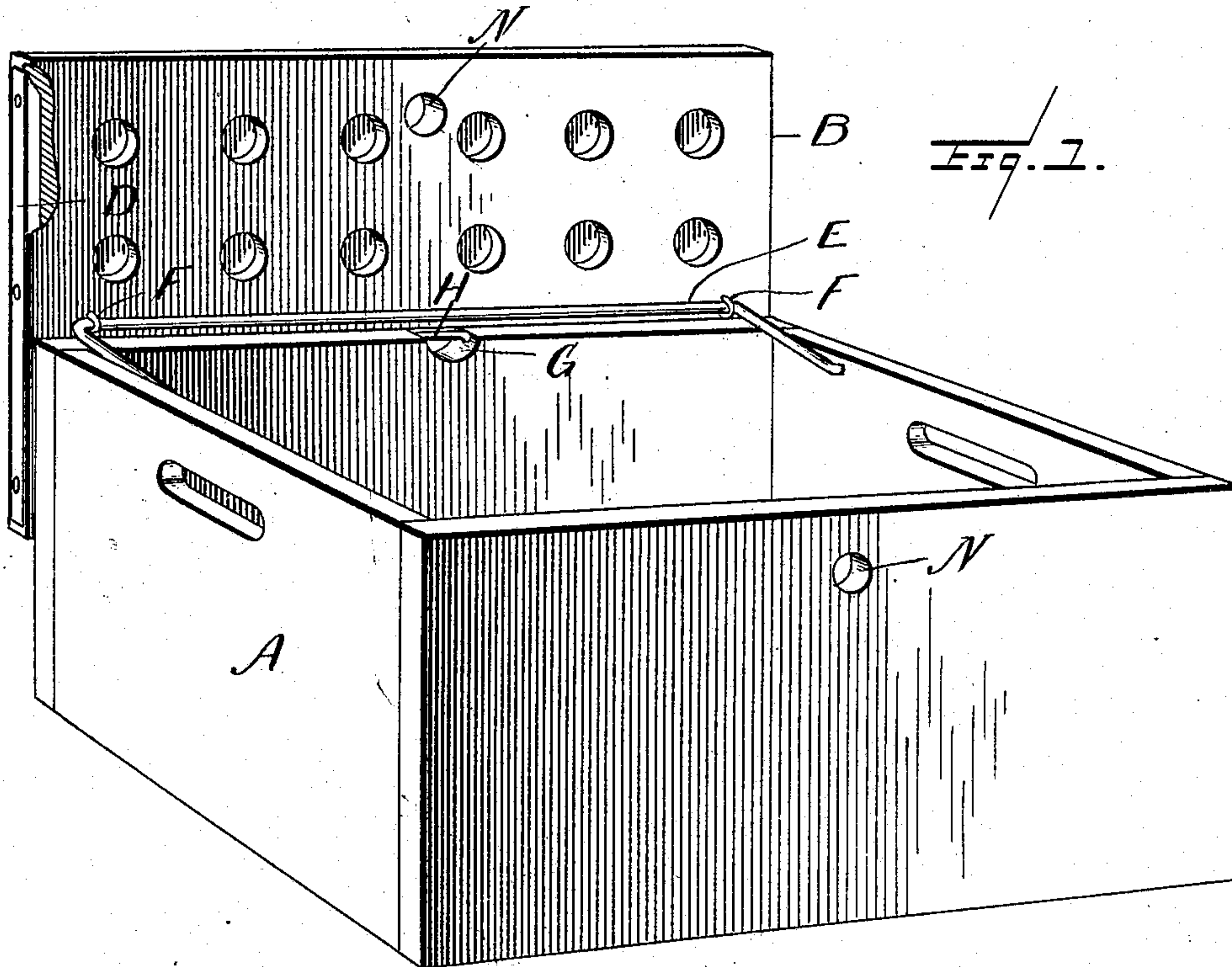


C. W. SMITH.
CLOSURE FASTENER FOR BOTTLE SHIPPING CRATES.
APPLICATION FILED OCT. 12, 1908. RENEWED JULY 3, 1909.

930,993.

Patented Aug. 10, 1909.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES W. SMITH, OF SANDUSKY, OHIO.

CLOSURE-FASTENER FOR BOTTLE-SHIPPING CRATES.

No. 930,993.

Specification of Letters Patent.

Patented Aug. 10, 1909.

Application filed October 12, 1908, Serial No. 457,316. Renewed July 3, 1909. Serial No. 505,890.

To all whom it may concern:

Be it known that I, CHARLES W. SMITH, a citizen of the United States, residing at Sandusky, in the county of Erie and State of Ohio, have invented certain new and useful Improvements in Closure-Fasteners for Bottle-Shipping Crates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in boxes or crates for shipping bottled goods, etc., and comprises means for securely holding the closure of the box.

The invention comprises various details of construction, combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a perspective view of a shipping box showing my improvement as applied thereto. Fig. 2 is a sectional view through the fastening device upon the back of the box and closure showing the parts held in closed relation to each other, and Fig. 3 is a detail view of the locking mechanism.

Reference now being had to the details of the drawings by letter, A designates a box or crate which may be of any size or shape and provided with a closure B, the ends of which are longitudinally grooved to receive the angled metallic strips or bars D for reinforcing the closure and preventing the same from warping.

E is a bail-shaped member which is hinged to the ends of the crate and has pivotal connection with eyes F upon the closure and is so mounted that, when the closure is thrown back to a vertical position, the bail will rest upon the upper ends of the side wall of the crate and, when the closure is thrown to its

limit in the opposite direction, its marginal edge will be flush with the outer faces of the sides and ends of the box. The rear wall of the box is recessed away as at G near its upper edge, and H designates a catch made preferably in the form of a staple which is driven into the upper edge of the rear wall of the box and is adapted to bridge over said recess, the staple when adjusted in place having its horizontal portion flush with the upper edge of the rear wall, as shown clearly in the drawings.

K designates a hook which is countersunk in the under surface of the closure adjacent to the rear end thereof, said hook being so positioned that, when the closure is upon the top of the box, as shown in Fig. 2 of the drawings, it will engage said staple in the recess G, thus securely holding the rear edge of the closure to the rear wall of the box when the free edge of the closure and the front wall thereof, which are provided with the apertures N, are adapted to receive a seal O, as shown in Fig. 2 of the drawings.

From the foregoing, it will be noted that, by the provision of a fastening means as shown and described, a simple and efficient device is afforded whereby, when the closure is swung over the box, the hook will automatically engage the staple and securely hold the rear edge of the closure to the rear wall of the box and, when the seal is broken, the closure will be allowed to swing rearward, the hook automatically detaching from the staple and allowing the closure to turn back into a vertical position, as shown clearly in the drawings.

By the provision of the metallic strip or bar which is seated in the ends of the closure, the latter will be reinforced and held from warping which will insure the hook always engaging the staple when the closure is thrown into a horizontal position across the top of the box.

What I claim to be new is:—

In combination in a shipping crate having a cover, a swinging bail pivotally connecting the cover to the crate, said cover having a recess in the upper edge of the rear wall

thereof, a pin bridging said recess and having its outer portion flush with the upper edge of the rear wall of the crate, a hooked strip having a shank portion seated in a recess in the under side of the cover adjacent to and flush with the under surface thereof, the free end of said hook being inclined and adapted to contact with and draw the cover

closed as it is moved over the top of the crate, as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

CHARLES W. SMITH.

Witnesses:

SARAH ATKINSON,
THOMAS T. MORGAN.