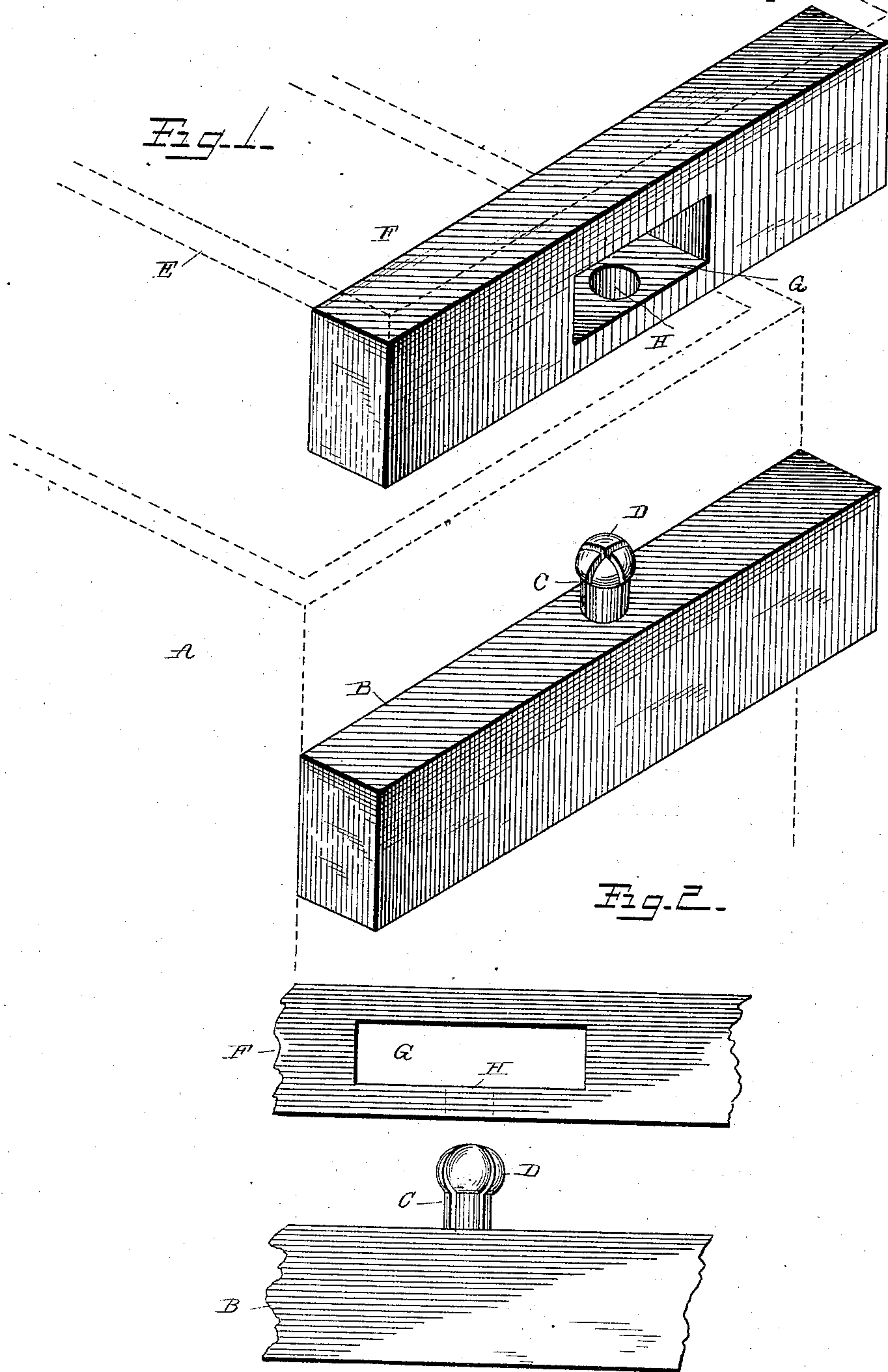


(No Model.)

J. L. STEVENS.
BOX FASTENER.

No. 316,412.

Patented Apr. 21, 1885.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN L. STEVENS, OF CHICAGO, ILLINOIS, ASSIGNOR TO JOSEPH W. KEPLER,
OF SAME PLACE.

BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 316,412, dated April 21, 1885.

Application filed May 28, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. STEVENS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Box-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain improvements in box-fasteners; and is designed, objectively, to provide a simple and easily-applied fastener that shall obviate the necessity of nailing or screwing the lid on the box for transporting the same; and, again, hinging the lid to the box is done away with, and also, as a consequence, there are no broken hinges to be renewed. Further, while the lid is easily enough removed, when desired, by simply lifting it, the fastener thoroughly and completely secures the said lid against displacement during shipping and transportation or for packing.

In describing the device and its operation reference will be had to the annexed drawings, in which—

Figure 1 represents a perspective of the device attached to a box, and Fig. 2 a side view of the fastener.

A represents a box, to which is fastened securely at each end and within a certain distance of the top of the same, on the outside, a strip, B, which, besides serving as part of the fastener, as hereinafter set forth, also is conveniently placed to serve as a handle or “hand-hold” for lifting or moving the box, whether full or empty.

Centrally in the strip is secured a pin, C, preferably of wood, though it may be made of any suitable material, and is so seated in the strip, to which it may be glued, nailed, or otherwise fastened, as to project therefrom in a vertical direction, as shown. This pin C is provided with a spherical head or enlargement, D, and is cross-slotted longitudinally, as shown, which slotting is preferably extended into a part of that portion of the said pin that enters in the strip. It will readily be seen that the slotting of the pin allows it

to be considerably contracted laterally under pressure, but with the constant tendency to spring back to its original condition.

The lid E of the box is made somewhat longer than the said box, and under each of the projecting ends is secured a strip, F, corresponding in size and shape to the one, B, on the box, and is adapted to rest on the said strip when the cover is in position.

The strip F is provided with a slot, G, centrally located, and of sufficient size to admit the fingers, thus making the strip serve the double purpose of a portion of the fastener and as a convenient handle whereby the lid may be easily raised when it is desirable to do so, the fingers being inserted in the said slots.

Through that portion of the strip directly under the slot is a hole or passage, H, of such size that by pressure the pin may be forced through the head of the same, projecting into the slot.

It will be readily seen that as the head of the pin is larger than the shank it will project over the edges of the hole and so retain the cover in place. The under part of the head being “rounded in,” as shown, when considerable lifting force is applied to the cover, the sides of the hole cause the head to contract sufficient to admit of its passage through the said hole.

It is practically impossible that any blow could be given to the cover in such a manner as to knock it off.

Box-fasteners formed of loose slotted spring-pins with heads, which enter a slot or recess in a strip on the box-cover, and so secure it to the said box, are known not to be broadly new.

Having described the device, what I desire to secure is—

1. The combination of a headed and slotted pin and a strip from which the said pin centrally projects with a strip having a hole or orifice for the reception of the pin, the strips being respectively secured to the box and to the cover thereof, substantially as and for the purpose specified.

2. The combination of a headed and slot-

ted spring-pin and a strip in which the said
pin is seated, and from which it centrally pro-
jects with a slotted strip having a hole or
orifice leading into the said slot for the re-
5 ception and normal retention of the pin, the
two strips being respectively secured to the
box and to the cover thereof, substantially as
and for the purpose specified.

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

JOHN L. STEVENS.

Witnesses:

J. F. STODDER,
M. G. ERDER.