

C. H. RIEPE.
BOX-FASTENER.

No. 176,062.

Patented April 11, 1876.

FIG. 1.

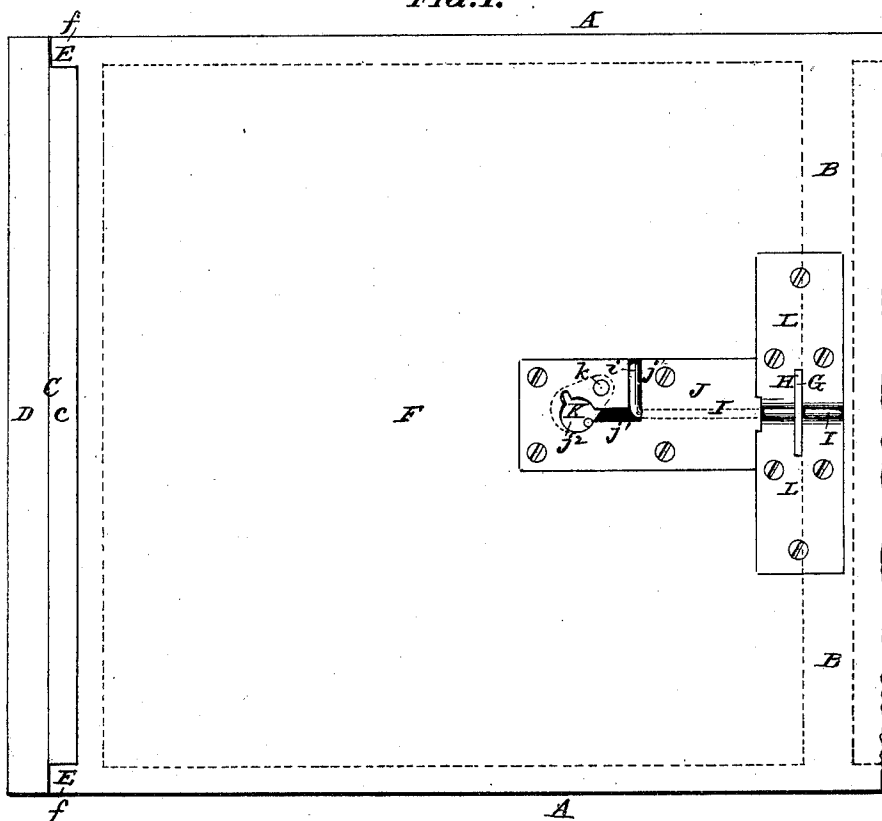


FIG. 2.

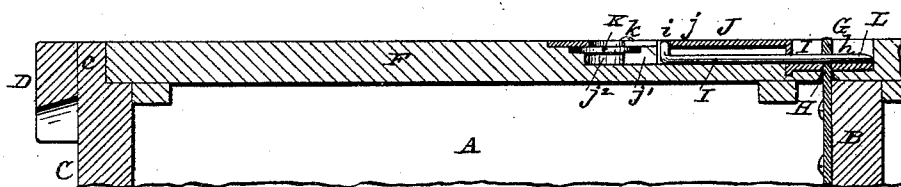
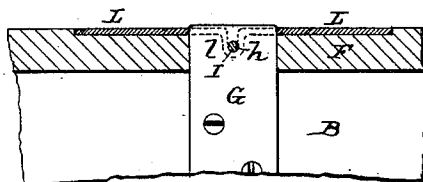


FIG. 3.



ATTEST:

Robert Gurns,
Le Blond, Burdett

INVENTOR:

Charles H. Riepe
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UNITED STATES PATENT OFFICE.

CASPER H. RIEPE, OF DRAKE, MISSOURI.

IMPROVEMENT IN BOX-FASTENERS.

Specification forming part of Letters Patent No. **176,062**, dated April 11, 1876; application filed March 7, 1876.

To all whom it may concern:

Be it known that I, CASPER H. RIEPE, of Drake, Gasconade county, State of Missouri, have invented a new and useful Improvement in Fastening for Egg-Boxes, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

My improvement relates to the lock or mode of fastening the egg-box, with the points of construction having direct connection therewith.

My improvement consists in forming the lid to be lifted vertically from the box, and the lid is held in position by a lug, which passes through the center of the lid, and which is engaged by a bolt sliding in the body of the lid, and by the upwardly-projecting ends of the box. The bolt is moved by a handle, and is held in its locking position by a pivoted plate arranged to receive a seal of wax that is destroyed by the withdrawal of the bolt.

Figure 1 is a plan or top view of my improvement, with the lid locked. Fig. 2 is a longitudinal section, with the lid in position, but unlocked. Fig. 3 is a transverse section through the lock.

The box has ordinary sides A A and division B, the latter separating it into two compartments, made the proper size and form to contain a pile of the ordinary shipping-trays. The ends C have a portion, *c*, extending part-way across the box, and rising above the level of the sides, and to the ends of the top of the box are attached the lifting-cleats D, extending the full width of the box. Thus it will be observed that at the upper corners of the box are rectangular recesses E, which may receive the rectangular corner lugs *f* of the lid F, but the corner lugs *f* may be dispensed with.

The lid is made the whole width of the box, and drops vertically into place upon the box,

and the lock is constructed so as to allow its vertical movement, and to hold it down upon the box-top; but the lock-fastening being made to the center of the lid alone without end support, the lid would be liable to be wrung off in handling.

The lock consists of a metallic lug, G, which extends upward from the partition B, and fits in a transverse slot, H, of the lid F. This lug has a bolt-hole, *h*, through which passes a bolt, I, to lock the lid down on the box. This bolt works in suitable bearings in the lid, and is moved endwise by a handle, *i*, which works in a rectangular slot, *j j'*, of a face-plate, J. The part *j* of the slot is transverse to the lid, and allows the handle to be turned down beneath the surface of the lid, so as not to be liable to injury. The part *j'* of the slot is lengthwise with the box-lid, and ends in a round hole, *j''*, of the face-plate. Beneath the hole *j''* swings a seal-plate, K, pivoted to the face-plate at *k*, and when the lid is locked on the box a seal is placed under the plate K, which fills the part of the hole *j''* beneath the plate K, so that the handle *i* cannot be drawn back to unlock the lid without demolishing the seal. L is a metallic plate, which is slotted through to receive the lug G, and is bent down at *l* to form a bearing beneath the bolt.

The construction of the lid is such that it cannot become jammed fast by swelling from dampness, as the sides are open and do not project beyond the box sides, and the construction at the ends is such as to prevent the lid being displaced by a blow at those points.

I claim—

The combination of lug G, bolt I, seal-plate K, and lid F, substantially as set forth.

CASPER H. RIEPE.

Witnesses:

SAML. KNIGHT,
ROBERT BURNS.