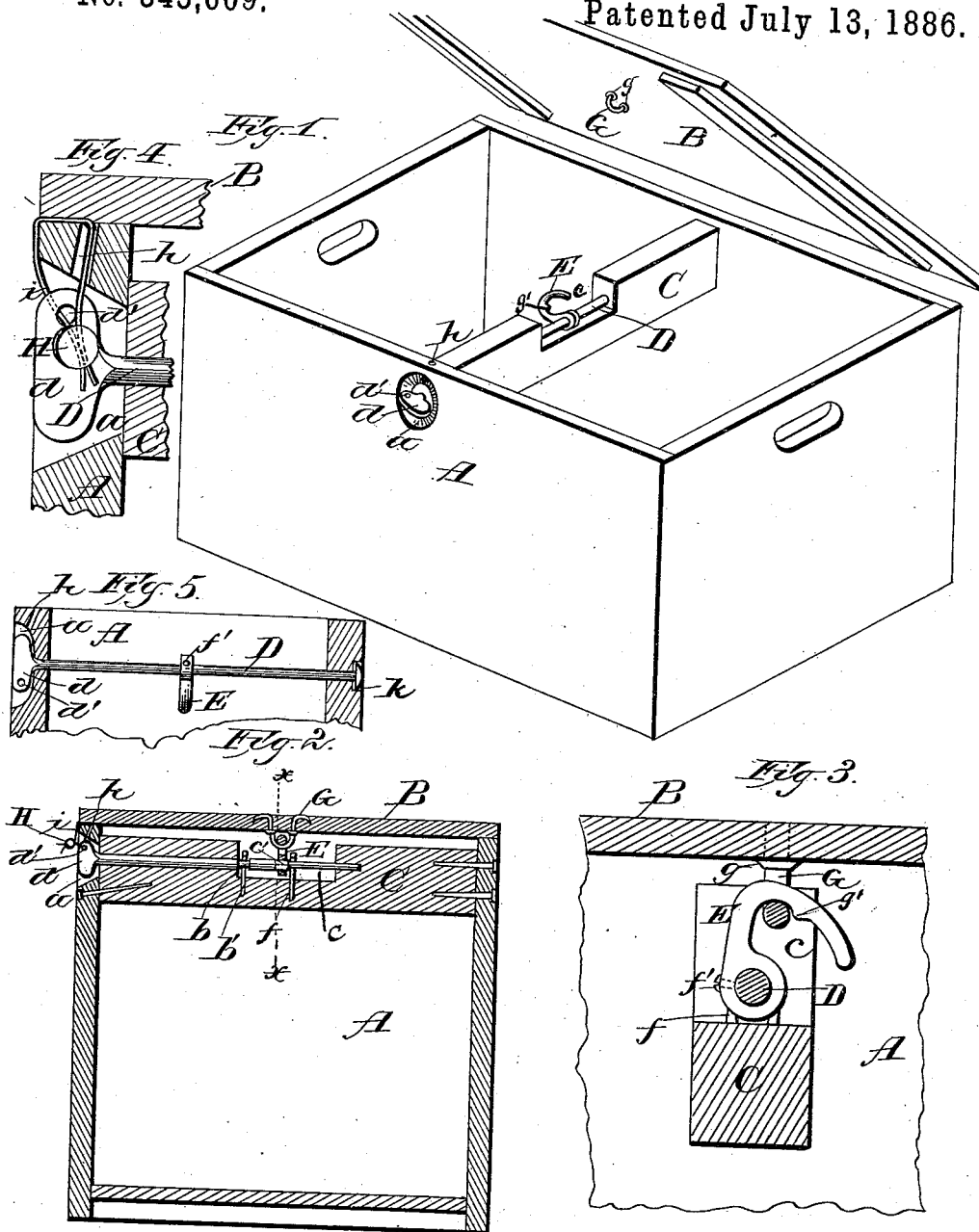


(No Model.)

J. WOLF.
BOX FASTENER.

No. 345,609.

Patented July 13, 1886.



Witnesses:
E. J. Amos
M. E. Cliphant

Inventor:
Joseph Wolf
By J. H. Underwood
Attorneys

UNITED STATES PATENT OFFICE.

JOSEPH WOLF, OF MILWAUKEE, WISCONSIN.

BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 345,609, dated July 13, 1886.

Application filed April 23, 1886. Serial No. 199,920. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH WOLF, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain
5 new and useful Improvements in Box-Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to box-fasteners, and
10 will be fully described hereinafter.

In the drawings, Figure 1 is a perspective view of a box and lid embodying one form of my invention. Fig. 2 is a central transverse section of the same. Fig. 3 is a section on
15 line *x x*, Fig. 2; Fig. 4, an enlarged detail section, and Fig. 5 a sectional view illustrating another form of my invention.

A is the body of the box, and B the lid. C is a central strengthening brace, recessed at *c*.
20 D is a rod that is passed through one side of the box into the brace C, its head *d* being housed in a countersink, *a*, in the side of the box. The rod D is grooved at *b* to receive a staple, *b'*, that retains it in the brace, and is
25 squared at *c'* to receive the shank of a hook, E, that is slipped on as the rod is passed into the brace, and this hook is held in place by the round portion of rod D on one side and a staple, *f*, on the other, or the rod may be
30 entirely round, and the hook may be retained by a pin, *f'*, as shown in Figs. 3 and 5, and in this case staple *f* could be dispensed with.

At a point on the lid B that comes just over the hook when the lid is in place I drive in
35 a staple, G, which is preferably provided with stops *g*, to prevent it from going in too far, and this staple is designed to receive the hook E as the rod D is turned to the right, a quarter-turn being sufficient to lock the lid in
40 its closed position.

In locking the lid B to the box A said lid is usually pressed upon by one hand while the rod D is operated by the other, and when the pressure is released there is sufficient elasticity in this lid to draw the staple G up tight
45 behind a projection, *g'*, on said hook, thereby preventing the latter from working loose.

Extended from the countersink *a* up through the top edge on that side of the box is a per-
50 foration, *h*, designed to receive a wire, *i*, or analogous fastening designed to pass through

a perforation, *d'*, in the head *d* of the rod D, and when the lid is locked the ends of this wire are united by a lead seal, H, as shown
in Figs. 2 and 4. To prevent the seal from
55 being broken by accident, the united ends on the wire are bent back into the countersink, and it is intended to cover said countersink with a paper seal or stamp when the box is
60 packed and the lid locked in place thereon, as above described.

In Fig. 5 I show the rod D as having its bearings in the sides of the box, with the central strengthening-brace omitted, the tail end
of said rod being upset in a corresponding
65 countersink, as shown at *k*, the construction in other respects being similar.

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

1. A box having its body portion provided with a central recessed strengthening-brace and an outer countersink on one side, near
70 the upper edge, and its lid provided with a depending staple, in combination with a rod
75 having its bearings in the strengthening-brace and its head operative in the countersink, and a hook having its shank fast to said rod, and adapted to engage the lid-staple, as set forth.

2. A box-fastener consisting of a rod op-
80 erative in suitable bearings, and provided with a hook adapted to engage a staple depending from the box-lid, in combination with a wire or analogous fastening passed through the rod-head and adjacent side of the box, the
85 ends of said wire being united by a seal, as set forth.

3. A box-fastener consisting of a rod operative in suitable bearings and provided with a hook having a projection upon its inner side,
90 and adapted to engage a staple depending from the box-lid, and said staple provided with stops to limit its insertion, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in
95 the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

JOSEPH WOLF.

Witnesses:

H. G. UNDERWOOD,
MAURICE F. FREAR.