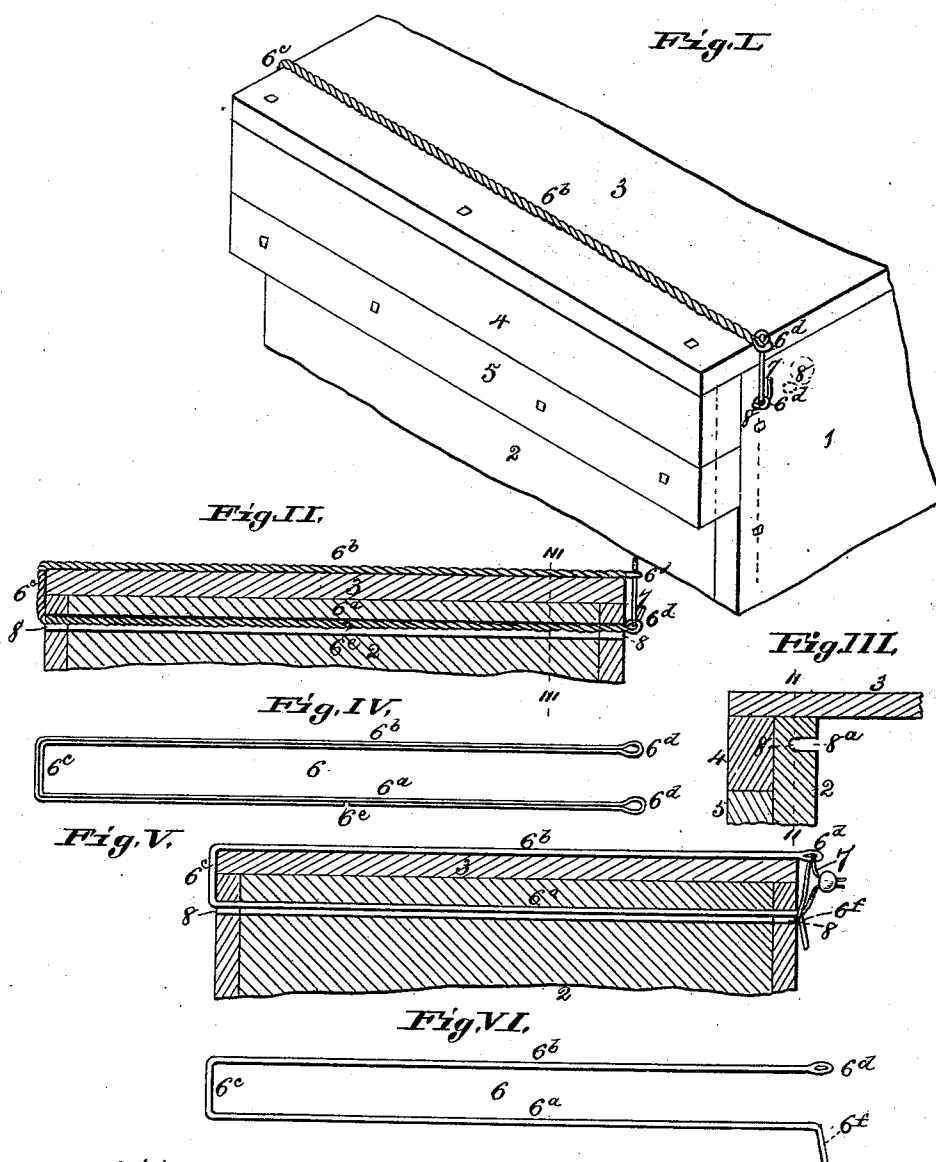


(No Model.)

J. NIESE.
BOX FASTENER.

No. 473,436.

Patented Apr. 19, 1892.



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UNITED STATES PATENT OFFICE.

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BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 473,436, dated April 19, 1892.

Application filed January 13, 1892. Serial No. 417,971. (No model.)

To all whom it may concern:

Be it known that I, JULIUS NIESE, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Fasteners for Egg-Boxes, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 This fastener is composed of a metal cord, wire, or rod, one portion of which is passed through holes in or at the ends of and another part over the lid of the box. The ends of the fasteners have eyes through which a
15 wire or other tie is passed to connect the ends together.

Figure I is a detail perspective showing one end of an egg-box with the fastener applied to it. Fig. II is a transverse section taken at
20 II II, Fig. III. Fig. III is a detail longitudinal section taken at III III, Fig. II, but showing a modification. Fig. IV is a perspective view of the body of the fastener, showing a modification. Fig. V is a similar section to Fig.
25 II, showing a modification of the fastener. Fig. VI is a perspective view of the body of the fastener shown in Fig. V.

The egg-box is supposed to be of the usual form and without any fastener, except the one
30 to be hereinafter described.

1 is a side, and 2 an end, of the box.

3 is the lid, extending past the box at each end and having a cleat 4 at each end bearing against the end 2 of the box.

35 5 is a usual cleat, secured to the end of the box to serve as a handle to lift the box by, and preventing the lid from being thrown up by a blow beneath the cleat 4.

The fastener has a body 6, composed of the
40 two parallel parts 6^a and 6^b and the bent portions 6^c, connecting the parallel parts. At each end of the body is an eye 6^d or other means of attachment for the tie, through or under which is passed a tie 7, connecting the
45 eyes (or other means of attachment) together and serving to hold the edge of the lid down at that side, the bend 6^c holding the lid down at the other side.

8 is a hole made in or at each end. In Figs. I, II, and V the holes are bored through the
50 body of the ends and through the overlapping parts of the sides, while in Fig. III a channel 8^a is made in the inner part of each end, and a hole through the overlapping parts of the sides 1. The holes 8 may be made through
55 the sides 1 close to the inner side of the ends 2, so as to avoid either boring or channeling the ends. The purpose of these modifications is to avoid the boring of a hole through the ends 2. The channel 8^a may be cheaply made
60 by machinery before the parts of the box are put together.

The body of the fastener in Figs. I and II is made of twisted-wire cord, a single piece of wire being used, ending at the point 6^e,
65 the eyes 6^d being closed return-bends. The eyes are connected together by a tie 7. This in Figs I and II consists of a piece of wire passed through the eyes and fastened by the bending of the wire, or the ends of the tie-
70 wire may be twisted together. In Fig. V the tie consists of a seal of ordinary or any suitable construction. The body 6 of the fastener in Fig. IV consists of a single wire or rod bent into closed eyes 6^d, and its ends meet-
75 ing at 6^e.

In Figs. IV and V the body 6 of the fastener is composed of a single rod or wire, the part 6^b having an eye 6^d, while the other end is simply bent down, forming a hook 6^f, that
80 serves for the engagement of the tie 7 and which prevents the part 6^a from being withdrawn from the hole or bore 8. In this case the fastener is not removed from the body, and in opening the box the tie 7 being first re-
85 moved the lid is slipped off sideways.

In the forms shown in Figs I, II, and IV the fastener may be removed from the box, if desired, although this is not necessary, as the lid may be slipped off sideways after removal
90 of the tie, as before described, relative to the form shown in Figs V and VI.

I claim herein as new and of my invention—

1. The fastener for boxes, composed of the metal body 6, having two parallel parts con-
95 nected by a bent portion, one of which parts

passes through the box and the other over the lid of the same, the ends of said parallel parts having means for attachment of a tie 7, substantially as set forth.

- 5 2. The fastener for boxes, composed of a metal body having two parallel parts, a hook on one of said parts and an eye on the other,

said hook and eye being adapted to receive a tie, substantially as set forth.

JULIUS NIESE.

In presence of—

SAML. KNIGHT,
A. M. EBERSOLE.