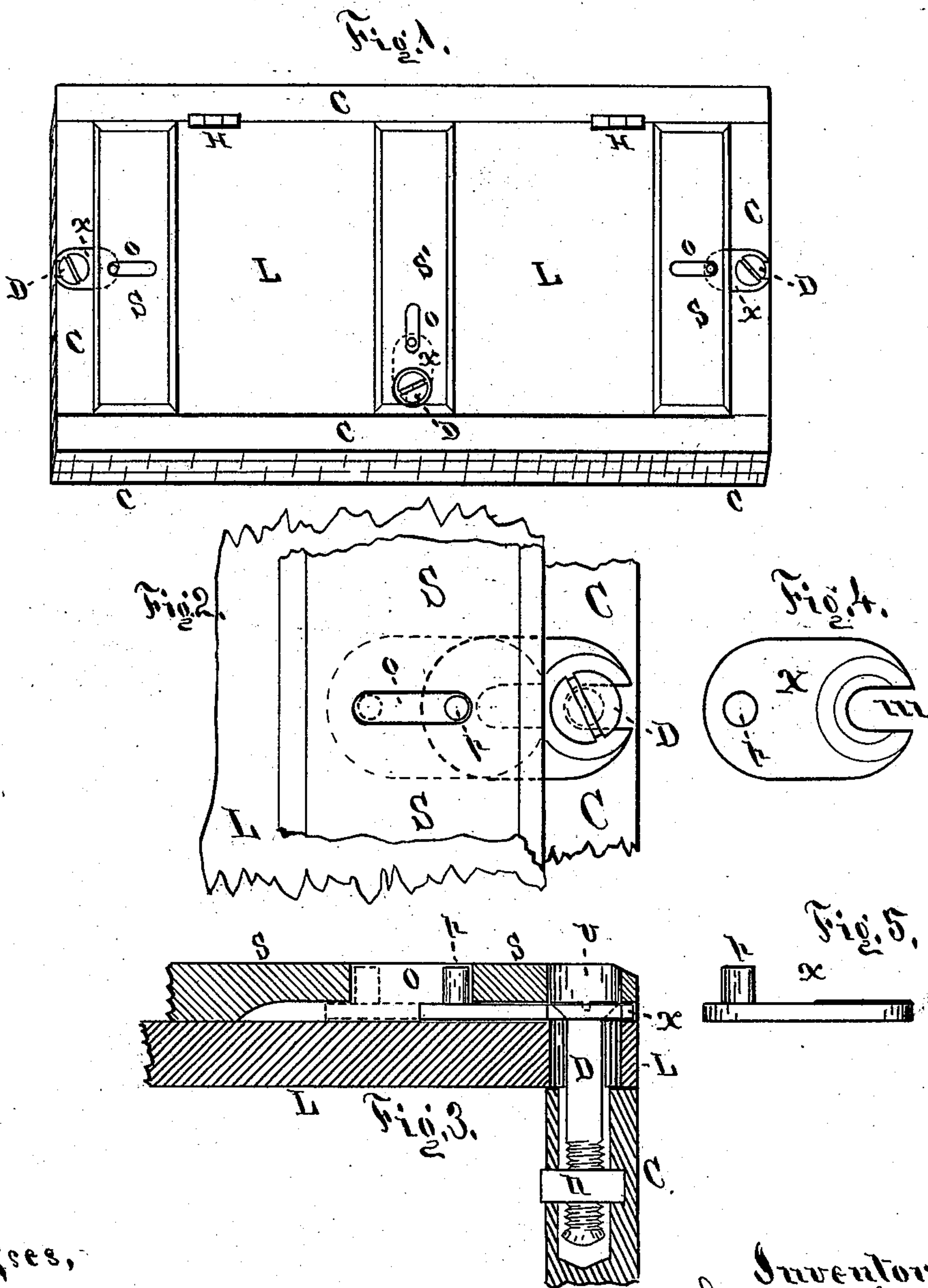


M. & R. J. COOKE.
Box Fastener.

No. 210,242.

Patented Nov. 26, 1878.



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UNITED STATES PATENT OFFICE.

MATTHEW COOKE AND ROBERT J. COOKE, OF SACRAMENTO, CALIFORNIA.

IMPROVEMENT IN BOX-FASTENERS.

Specification forming part of Letters Patent No. **210,242**, dated November 26, 1878; application filed July 9, 1878.

To all whom it may concern:

Be it known that we, MATTHEW COOKE and ROBERT JOHN COOKE, both of the city and county of Sacramento, State of California, have invented a new and useful Improvement in Bolts or Catches for Packing Boxes and Chests, of which the following is a specification:

The invention relates to that class of bolts or catches used for the purpose of securing the lids or covers of fruit or packing boxes; and consists of a device to be used in combination with a common screw, which makes a cheap and durable article.

Referring to the accompanying drawings, Figure 1 shows a plan of a chest provided with bolts embodying our invention. Fig. 2 shows an enlarged view of the bolt with part of the chest and lid shown in Fig. 1. Fig. 3 shows an elevation of the bolt fixed in part of the chest and lid. Fig. 4 is a plan of the sliding part of the bolt. Fig. 5 is an elevation of Fig. 4.

Fig. 1 shows a plan of the chest C, with its lid L, hinges H, and cleats S, which are secured to the lid L, and perform the office of securing the bolts *x*, which form the principal part of our invention. The bolts or slides *x* are held in their place by the cleats S, which are recessed underneath to receive them, so that they are free to slide back and forward for a certain distance, or to slide out so as to fork under the screw D, in order that D may be tightened down upon *x*, and thus secure the bolt *x* in its place and prevent the lid L from opening; or, when the screw D is loosened up slightly, the bolt *x* can be slid out from under the head of D, and the lid L will then be free to open.

Fig. 2 shows an enlarged view of the bolt *x* and screw D, with part of the cleat S, lid L, and chest C; and Fig. 4 shows a separate view of bolt *x*, showing a teat or lug, *p*, on one end, and the slot *m* at the other. Fig. 2 shows its position in the wood. *x* slides under the cleat S, as shown in dotted lines. The bolt is slid by means of the teat *p*, which extends through the slot *o* in the cleat S, so that it can be reached with the hand and slid either

way the length of the slot, while it is slid out as shown in Fig. 2. The slot *m* allows it to pass under the head of the screw D, which is screwed in the chest C, and when screwed down tight on *x* holds it in its place and prevents the lid L from opening. When the screw D is loosened up from X it can be slid back from under the head of D, as shown in dotted lines, and then the lid L is free to be opened.

Fig. 3 shows a sectional elevation of part of the lid L and the cleat S fastened to the same; also, part of the chest C, into which the screw D is secured by means of the nut *n*, set into C. The lower end of the screw D is riveted, so as to prevent it from being drawn out of *n* or lost, but still allows it to be screwed up and down through *n* the length of the thread shown.

If desired, D can be a common wood or lag screw, and be threaded directly in the chest C. The lid L and cleat S have a hole, *v*, extending through each large enough to allow the head of D to pass freely through while the lid is being shut down, so that when the lid is closed the bolt *x*, which is shown between S and L, is shoved out by means of the teat *p*, so as to come under the head of D, which is then screwed tightly on *x* by means of a wrench or screw-driver entered at *v*, and the lid is then secured in its place. When the lid L is to be opened the screw D is loosened, the bolt *x* is slid back in the slot *o*, as shown in dotted lines, and the lid is then released.

Fig. 5 is a view of the bolt *x* and teat *p* as shown in Fig. 3.

What we claim as our invention is—

The combination of the bolt *x*, provided with slot *m* and teat *p*, secured between the lid L and cleat S, which is provided with the slot *o*, for admitting *p*, to permit the sliding of the bolt *x* and the screw D, secured in the chest C, substantially as and for the purposes above set forth.

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