

(No Model.)

A. H. GAERTNER.

BOX FASTENER.

No. 362,831.

Patented May 10, 1887.

Fig. 1.

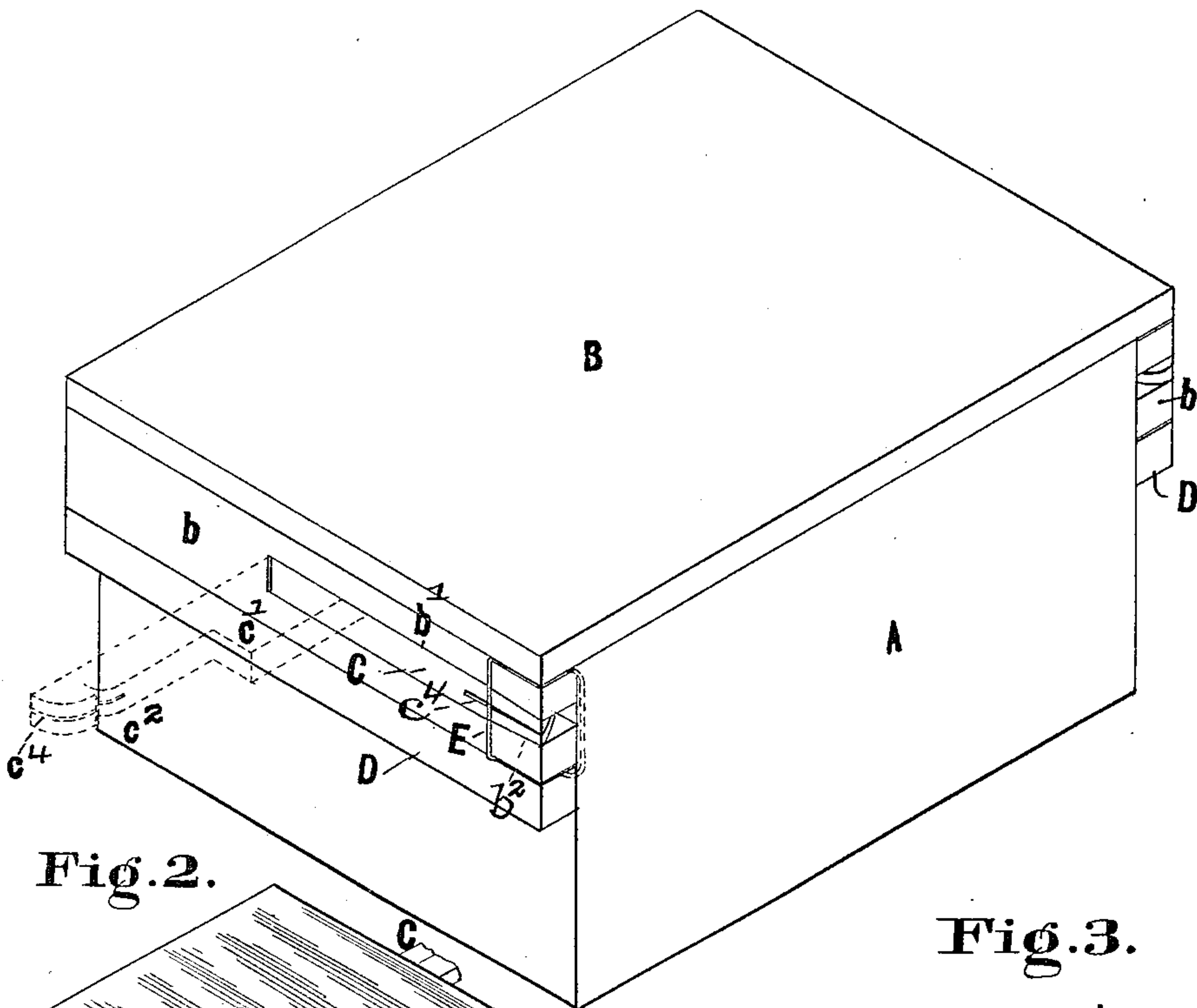


Fig. 2.

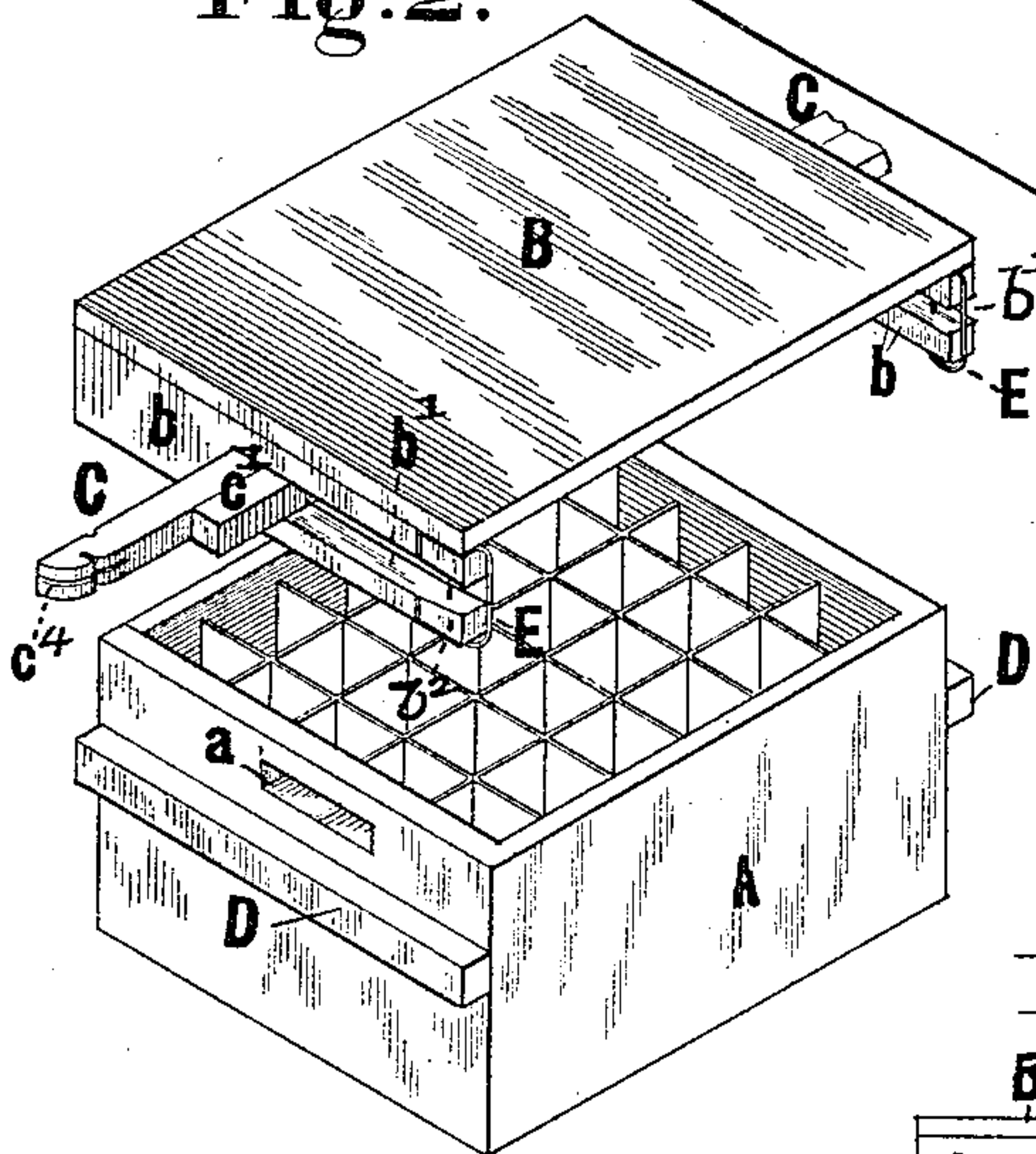


Fig. 3.

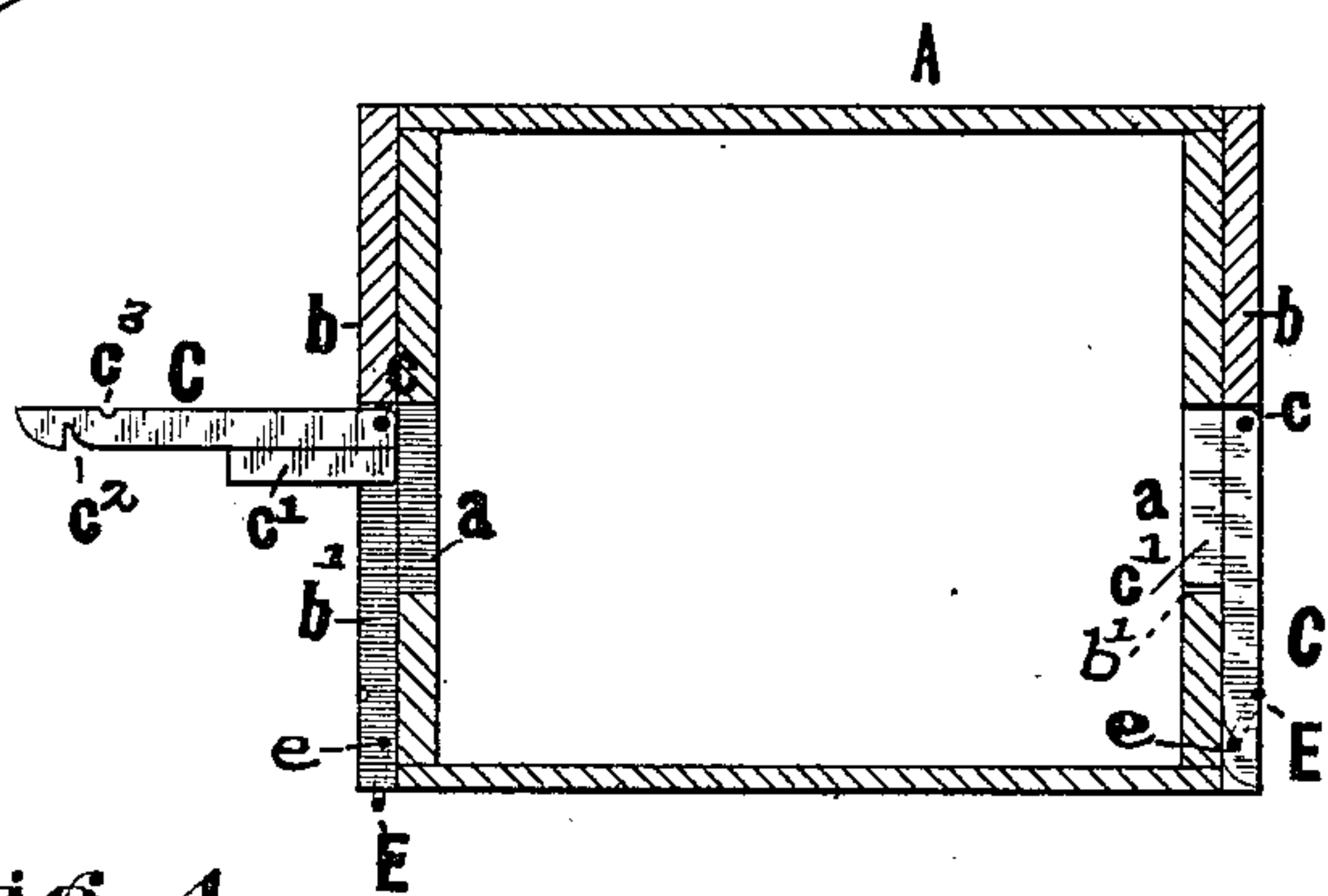
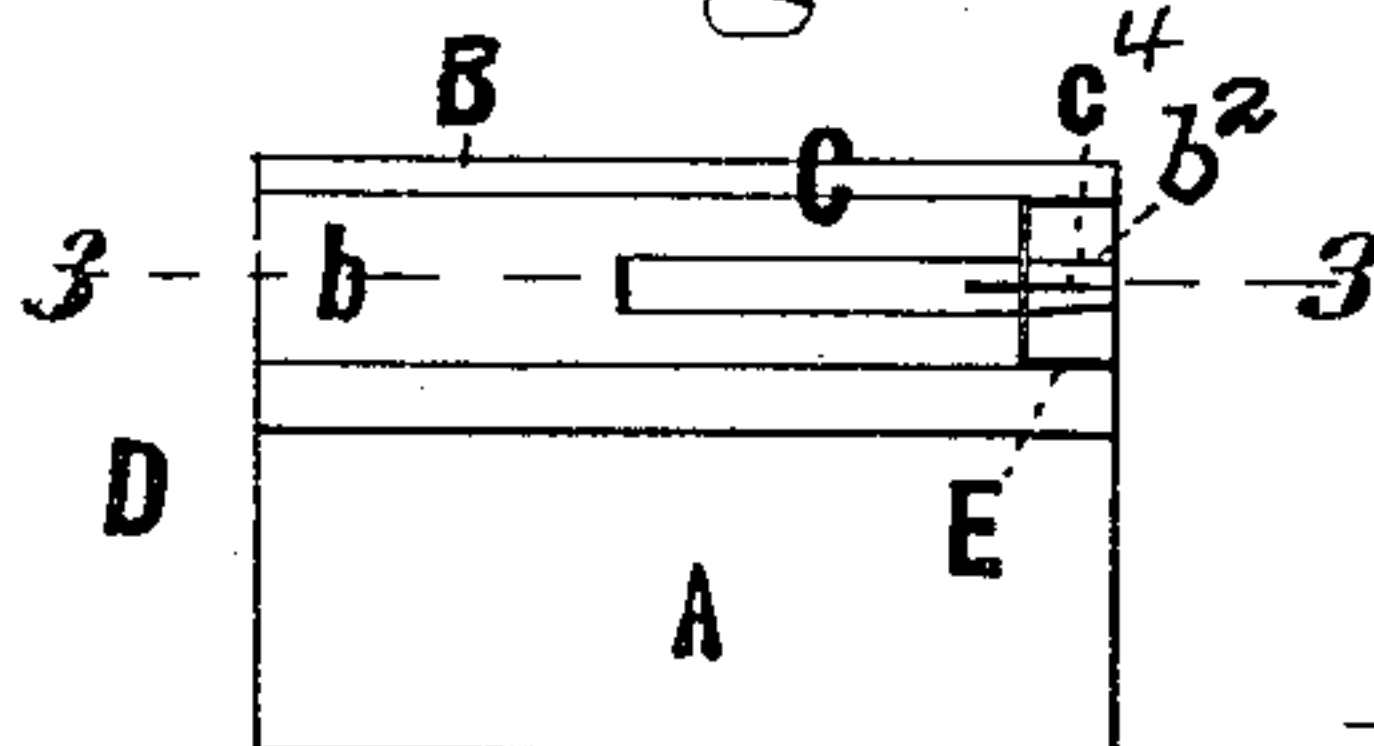


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

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BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 362,831, dated May 10, 1887.

Application filed March 5, 1887. Serial No. 229,757. (No model.)

To all whom it may concern:

Be it known that I, AUGUST H. GAERTNER, of St. Louis, Missouri, have made a new and useful Improvement in Box - Fasteners, of which the following is a full, clear, and exact description.

The improvement relates to the special means for fastening the cover to the body of the box, substantially as is hereinafter described and claimed, and illustrated in the annexed drawings, making part of this specification, in which—

Figure 1 is a view in perspective of a box in which the improvement is embodied. Fig. 2 is a view in perspective, upon a smaller scale, of the box, the cover being unlocked and raised. Fig. 3 is a horizontal section on the line 3 3 of Fig. 4, one of the locking-levers being unlocked; and Fig. 4 is an end elevation of the box.

The same letters of reference denote the same parts.

A represents the body of the box, and B represents the cover. Their construction is such as now in use, saving as it is modified by the improvement in question. The cover at each end is provided with a downwardly projecting flange, *b*, which is slotted at *b'* to receive what may be termed a "locking-lever," C. This last-named part is pivoted at *c* to enable it to be turned to and fro, as indicated in the various figures of the drawings. When closed into the flange *b*, it fills the slot *b'* therein, substantially as is represented in Figs. 1, 3, and there is no projection of any significance beyond the face of the cover-flange. Upon its inner side the lever is provided with a block, *c'*, which, when the lever is closed into the cover-flange, enters an opening, *a*, in the box-body, by which means the cover becomes fastened to the box body. In practice the block *c'* can be the piece removed from the box-body in forming the opening *a*. The block *c'* is in the plane horizontally of the lever, which enables the opening *a* and block *c'* to be covered and protected when the cover is locked, so that the box is less likely to become unlocked accidentally.

A cleat, D, is attached to the box-body just below the cover-flange to provide means for

lifting the inclosed box-body without straining the locking-lever. When the cover is removed from the body, the openings *aa* may serve as handles in lifting the box-body.

It is important to secure the locking-lever when it is closed into the cover-flange, so that it shall not accidentally be swung out therefrom. To this end the cover-flange has a clip, E, pivoted in it at *e*, and capable of being turned around, as indicated by its two positions shown in Fig. 3, in which view the locking-lever at the left-hand end is released from the clip and opened out, and at the opposite end of the box the locking-lever is closed and also secured by means of the clip. The lever is notched at *c²* to pass around the clip-wire when closed, and it is notched at *c³* to receive the outer end of the clip when the clip is swung around over the lever end, as shown more distinctly in Fig. 1. An additional means for securing the lever C is notching its outer end horizontally at *c⁴*, so that the parts above and beneath the notch can be sprung toward each other, and narrowing the slot *b'* at *b²* where the notched lever end enters it, so that when the lever is closed it becomes held with sufficient friction in the slot *b'*, and thereby prevented from accidentally swinging open.

Either the clip E or the last-described device (the slit-lever and narrowed slot) can be employed singly, or they can, as shown, be used in conjunction.

I claim—

1. The combination of the box-body having the openings *a*, the box-cover having the slotted flanges, the pivoted locking-levers provided with the block, and the clips, substantially as described.

2. The combination of the box-body having the openings *a*, the box-cover having the slotted flanges, the locking-levers having the block, and the pivoted clips, said flange-slots being narrowed at the outer end, and said lever ends being slitted horizontally, substantially as described.

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Witnesses:

C. D. MOODY,
B. F. REX.