(No Model.)

W. H. SNOW.

PACKING BOX.

No. 414,177. Patented Oct. 29, 1889.

Fig. 2.

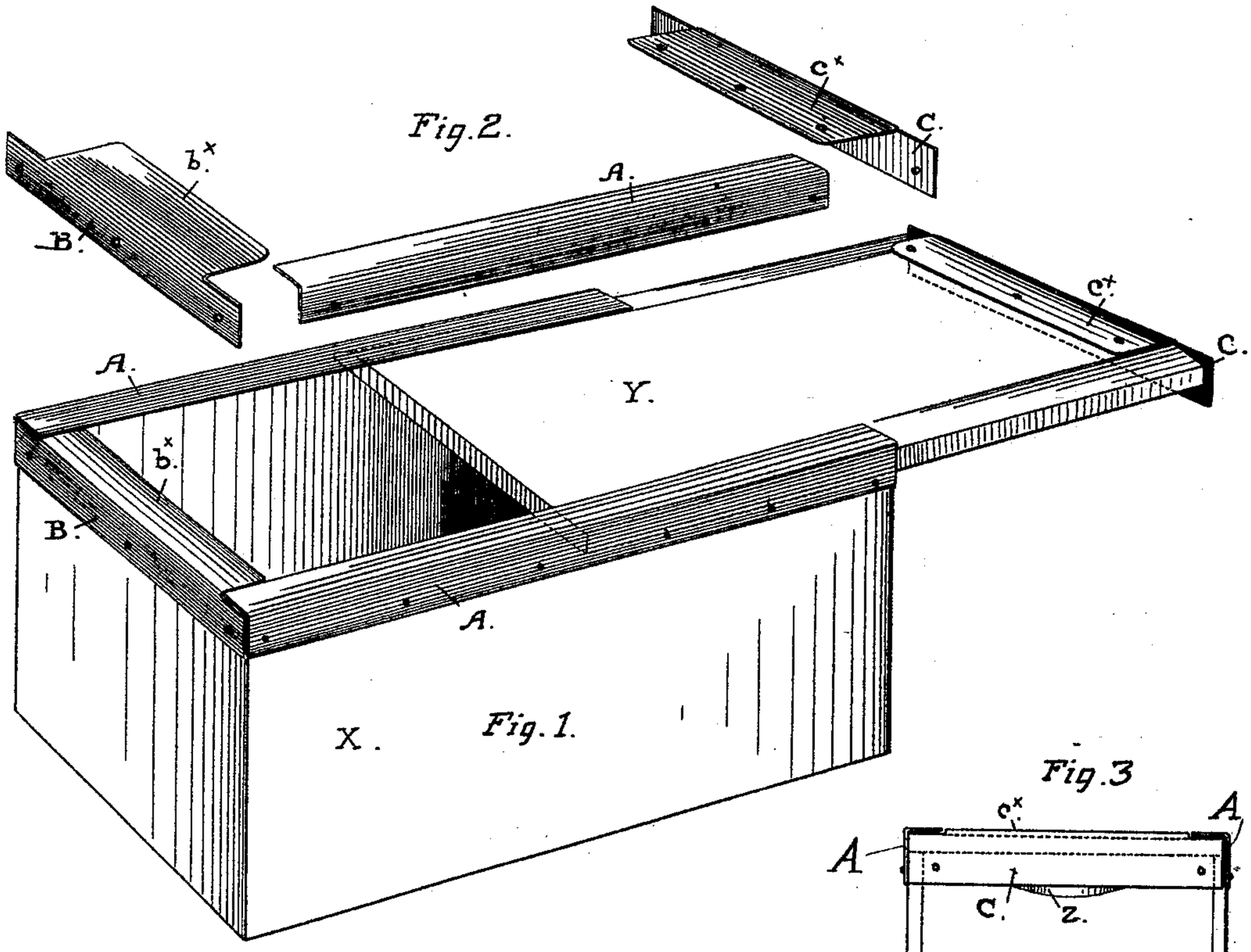


Fig. 1.

Fig. 3

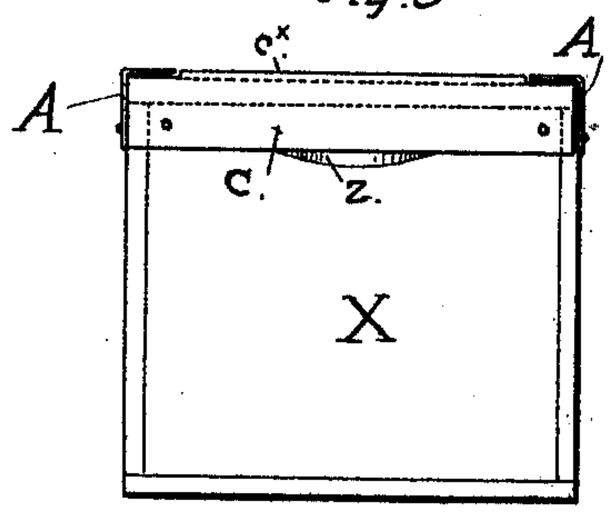
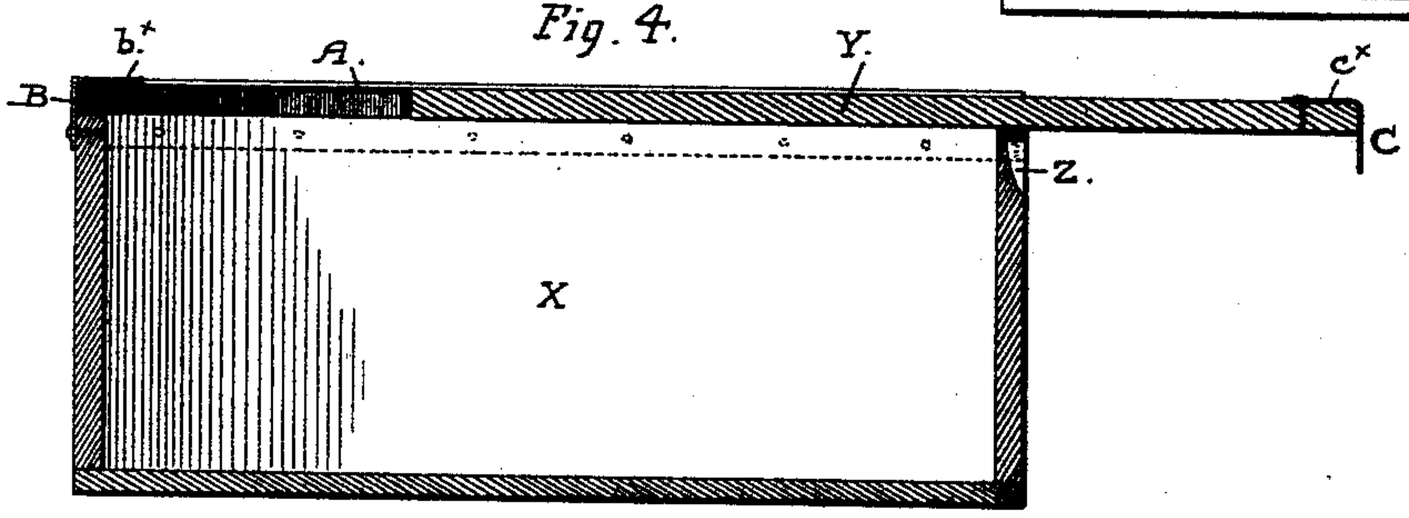


Fig. 4.



Witnesses:

Wm. Mayer

M. A. Smith

Inventor:

William H. Snow

By Smith & Oborn.

Attys.

UNITED STATES PATENT OFFICE.

WILLIAM H. SNOW, OF OAKLAND, CALIFORNIA.

PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 414,177, dated October 29, 1889.

Application filed February 18, 1889. Serial No. 300,372. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. SNOW, a citizen of the United States, residing at Oakland, in the county of Alameda and State of California, have invented certain new and useful Improvements in Packing-Boxes, of which the following is a specification.

My invention relates especially to that class of wooden boxes provided with wooden covers operating in grooves or guides made upon the inside and end of the body of the box, and has for its object the production of a means wherein the body of the box is strengthened and the cover securely held and easily operated without splitting or becoming fractured in opening or closing the box; and the invention consists in the construction, arrangement, and combination of parts, substantially as will be hereinafter described and claimed.

Figure 1 is a perspective view of my improved box with cover partly withdrawn. Fig. 2 shows in detail the metal plates. Fig. 3 is a front end view, and Fig. 4 a longitudinal section with cover partly withdrawn.

Similar letters refer to similar parts throughout the several views.

The body of my box is composed of wood, (represented by the letter X,) and the corners or connecting parts may be dovetailed, nailed, screwed, or otherwise held together, as no particular method of fastening the body of the box is claimed.

To the upper edges of the sides of the box are connected the angle-plates A A, bent at a right angle, as shown, the lower members of which are attached to the sides or edges of the box by nails or screws, while the other members extend inwardly and are raised a sufficient distance to form ways or runners between the upper edges of the box and the bent members for the easy movement of the cover Y.

An angle-plate B is connected to the rear end of the box, the corners being cut away, as shown, to meet the ends of and shut in between the side plates A A. The upper member of this plate is slightly depressed and forms a spring-lip $b^{\times}$, which shuts down over the end of the cover when the latter is forced back to its place in closing the box. This spring-plate is an important feature of the invention, for if shrinkage of the cover should take place this spring-lip would hold it in position when forced back under the lip into the transverse groove or way against the inner face of the plate. The spring-lip $b^{\times}$ will be seen, therefore, to be depressed below the plane of the upper side of the sliding cover and upturned at its end above that plane to receive and clasp the cover. It will thus be seen that a continuous guide or way for the edges and inner end of the cover is formed between the upper edges of the box and side and end plates, and that the cover can be easily moved forward and backward without binding.

For a further strengthening of the cover and to provide a means for fastening it to the body of the box when shut, as well as to form a continuous metal border for protecting the top of the box, and thereby prevent fracture or abrasion, I employ the plate C, which is also bent at a right angle, one member of which is confined to the end and the other member $c^{\times}$ to the top edge of the cover by nails or screws, in which position, when the cover is shut or closed, a nail or screw may be used passing through the lower member of this angle-plate and the wooden end of the box to keep the cover from sliding back in case of shrinkage or handling of the box; yet ordinarily the spring-lip $b^{\times}$ will keep the cover in position when it is closed.

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

1. The combination, with a packing-box having a sliding cover and longitudinal angle-plates forming guides for said cover, of the angle-plate connected exteriorly to one end of said box and projecting inwardly over and at a distance from the edge of said box end, and provided with a spring-lip which is depressed below the plane of the upper side of the cover and upturned at its end above that plane to receive and clasp the cover, substantially as described.

2. In a packing-box, the combination of the body X, the sliding cover, the longitudinal angle-plates A A, attached to the outer sides thereof near the edge, so as to project inwardly over and at a distance from the edges

to form guides for the sliding cover, and the angle-plate B, connected exteriorly to one end of said box and projecting inwardly over and at a distance from the edge of said box end, and provided with a spring-lip $b^{\times}$, which is depressed below the plane of the upper side of the cover and upturned at its end above that plane to receive and clasp the cover, substantially as described.

3. The combination of the packing-box, the sliding cover provided with the angle-plate C, whose member $c^{\times}$ is secured to the top edge of the cover, the longitudinal angle-plates A A, attached to the outer sides of the box near the edges, so as to project inwardly over the edges to form guides for the sliding cover, and the angle-plate B, connected exteriorly to one end of said box and projecting inwardly over and at a distance from the edge of said box end, and provided with a spring-lip $b^{\times}$, all substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

WILLIAM H. SNOW. [L. S.]

Witnesses:
C. W. M. SMITH,
CHAS. E. KELLY.