(No Model.)

S. B. DUNN.

BOX FASTENER.

No. 313,857. Patented Mar. 17, 1885.

Fig 1.

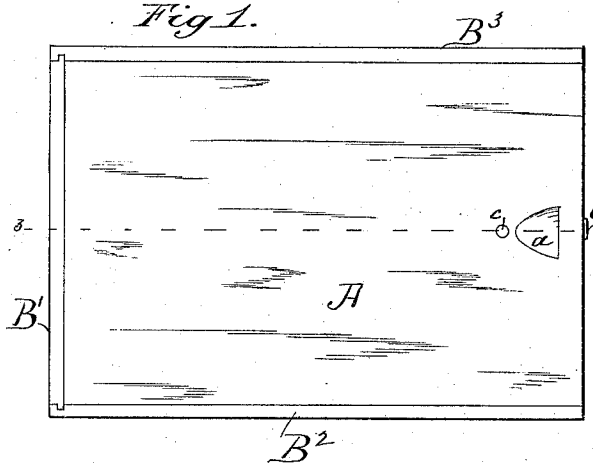


Fig 2.

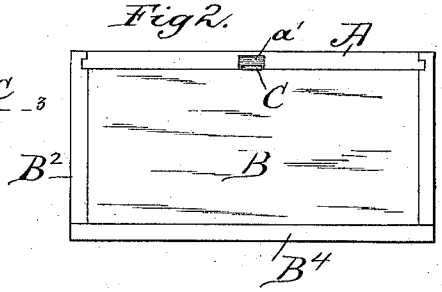


Fig 3.

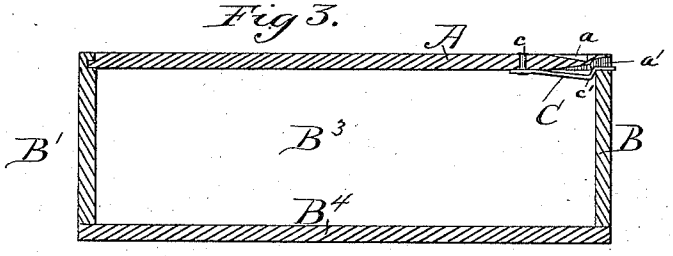


Fig 4.

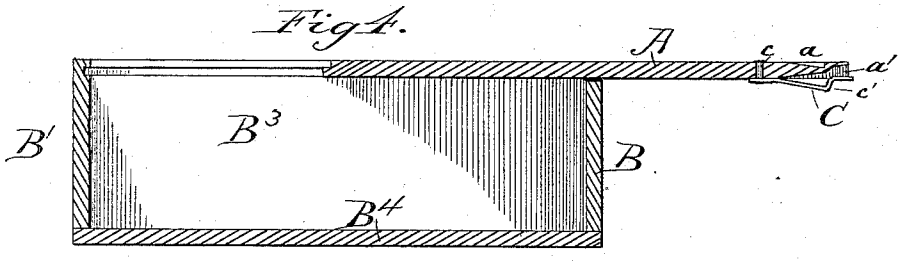
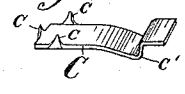


Fig 5.



Witnesses:
Taylor E. Brown
Lew. E. Curtis.

Inventor:
Sola B. Dunn
By Munday, Evarts & Adcock
his Attorneys.

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

SOLA B. DUNN, OF CHICAGO, ILLINOIS.

BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 313,857, dated March 17, 1885.

Application filed January 5, 1885. (No model.)

To all whom it may concern:

Be it known that I, SOLA B. DUNN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Boxes, of which the following is a specification.

This invention relates to that class of boxes which are closed by sliding covers—such, for instance, as are commonly employed to hold water-color paints, checker or alphabet blocks. In this class of boxes, which are not very strong or perfectly made as a rule, there is great liability of the cover slipping out and the contents being lost; and my invention is designed to remedy this evil, which I do by securing to the under side of the cover a flat metal spring provided with a shoulder adapted to engage with the end of the box when the cover is pushed into the closed position, said spring projecting to the outside of the box, so that it may be released when the cover is to be opened.

The drawings show at Figure 1 a plan of a sliding-cover box to which my improvement has been applied, and Fig. 2 is an end view thereof. Fig. 3 is a vertical section on line 3 3 of Fig. 1, and Fig. 4 is a view similar to Fig. 3, showing the box partly open.

In said drawings, A represents the sliding cover of a box composed of ends B B′, sides B^2 B^3, and bottom B^4. The cover is fitted into grooves in the sides B^2 B^3 and end B′ in the ordinary manner of this class of packing-boxes. *a* represents a recess in the cover, designed to facilitate the sliding of the cover in opening.

C is a flat metal spring attached to the under side of the cover by a rivet, *c*. It is provided with a bend, *c′*, which, when the cover is closed, engages with the end B of the box, as shown in Fig. 3. It also projects sufficiently to the outside to enable the user to lift it out of such engagement when the cover is to be removed. The cover is recessed to permit the spring to be thus lifted, as shown at *a′*.

This fastening can be applied to the boxes at a merely nominal cost, and the efficiency of the boxes is thereby very much increased, the contents being rendered secure. The package may also be used without wrapping or tying when it is to be shipped by mail or express.

The spring may be secured to the under side of the cover in any convenient manner. In the drawings I have shown it secured by a rivet or small tack; but points or teeth may be cut in the edges or body of the spring itself and turned up so as to enter the wood, and this latter is, perhaps, the better and cheaper construction. It is represented in Fig. 5.

I claim—

As a new manufacture, the box for toys, paints, &c., closed by a sliding cover and provided with a shouldered spring secured to the under side of the cover and adapted to engage with the end of the box, the spring projecting to the outside, so it may be released, substantially as specified.

SOLA B. DUNN.

Witnesses:
H. M. MUNDAY,
EDW. S. EVARTS.