(No Model.)

J. J. HARMER.

BOX HINGE.

No. 442,434. Patented Dec. 9, 1890.

FIG. 1.

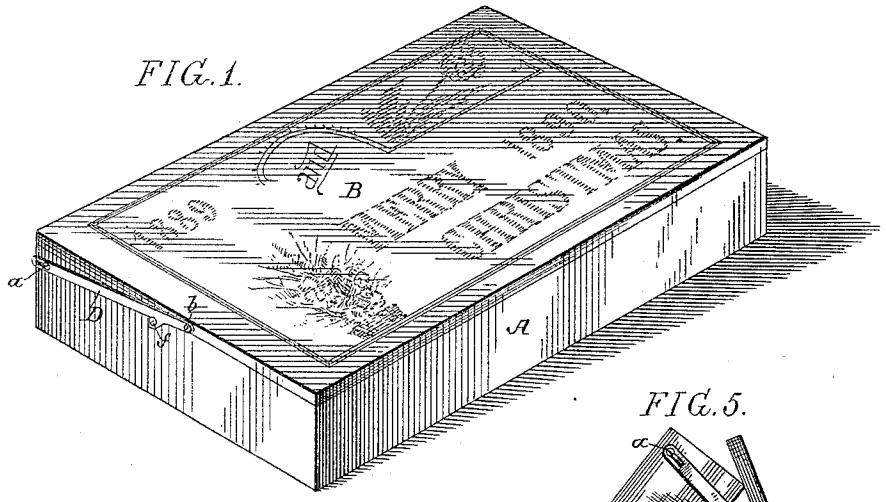


FIG. 5.

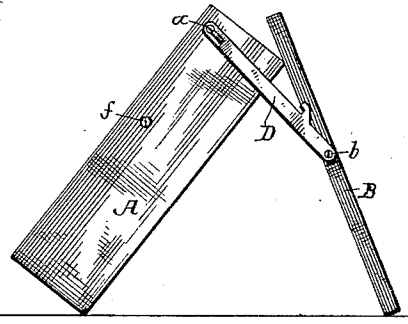


FIG. 6.

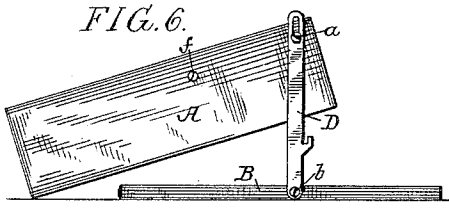


FIG. 2.

FIG. 3

FIG. 4.

Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH J. HARMER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO JENS ALBERT BACH, OF SAME PLACE.

BOX-HINGE.

SPECIFICATION forming part of Letters Patent No. 442,434, dated December 9, 1890.

Application filed December 27, 1889. Serial No. 335,103. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH J. HARMER, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented a certain Improved Hinge and Fastening for the Lids of Boxes, of which the following is a specification.

The object of my invention is to make an improved hinge and fastening for boxes and like articles, whereby the lid can be either firmly secured to the box, raised, reversed, placed under the box, or so placed as to act as an easel or support therefor for use in displaying goods. This object I attain in the following manner, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved box. Fig. 2 is a side view showing the lid locked upon the box. Fig. 3 is a view showing the lid raised and reversed. Fig. 4 is a side view showing the lid placed under the box. Figs. 5 and 6 are views showing the box tilted and supported by the lid and hinge.

A is the box, made in any suitable form, and B is the lid. On each side of the box is a hinge-bar D, pivoted to the lid by a pin *b* and slotted at its opposite end *a*. Passing through this slot is a pin *a*, which is secured to the side of the box A. On one or both of the hinge-bars D is an undercut lip *e*, adapted to engage with a pin *f* on the side of the box. When the lid is in the position shown by full lines in Fig. 2, the lip *e* locks the lid to the box, it passing under the pin *f*; but if the lid is moved in the direction of the arrow to the position shown by dotted lines the lip *e* will clear the pin *f* and the lid can be raised, the pins *a* acting as a pivot for the hinges. The lid can be simply thrown back, as shown in Fig. 3; or where the box-lid is highly ornamented on its exterior surface the lid can be reversed, as shown in full lines in Fig. 3, so as to display this ornamental surface, together with the contents of the box. This is especially applicable to fancy-candy boxes and to cigar-boxes. When it is wished to place the lid under the box, it can be turned to the position shown in Fig. 4, the hinge-bars holding the lid in proper position. For display purposes the hinge and lid may form supports for the box when tilted, as shown in Figs. 5 and 6, for displaying goods contained in the box. Thus it will be seen that by the simple hinge and lock shown the lid can be pivoted to the box and locked thereto without other means than the simple device shown, dispensing with the usual tacks and catches used in ordinary boxes of this character.

In some cases, instead of the pin *b* being the pivot, the hinge-bar may be secured permanently to the lid, and the catch or lip *e* need not necessarily be on both hinge-bars, as in some cases a securing device on one end of the box will be sufficient.

I claim as my invention—

1. The combination of the box, a lid therefor with long hinge-bars secured to each end of the lid and pivoted to the outside of the box at each end, substantially as and for the purpose described

2. The combination of the box and the lid with a hinge-bar pivoted to the edge of the lid and having a slot at the opposite end, a pivot-pin adapted to said slot, with a lip on the pivot-bar adapted to engage with a locking-pin on the box, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH J. HARMER.

Witnesses:
R. SCHLEICHER,
HARRY SMITH.