

No. 668,018.

Patented Feb. 12, 1901.

J. POPPER.

FASTENING AND RELEASING DEVICE FOR BOXES.

(Application filed Oct. 29, 1900.)

(No Model.)

Fig. 1.

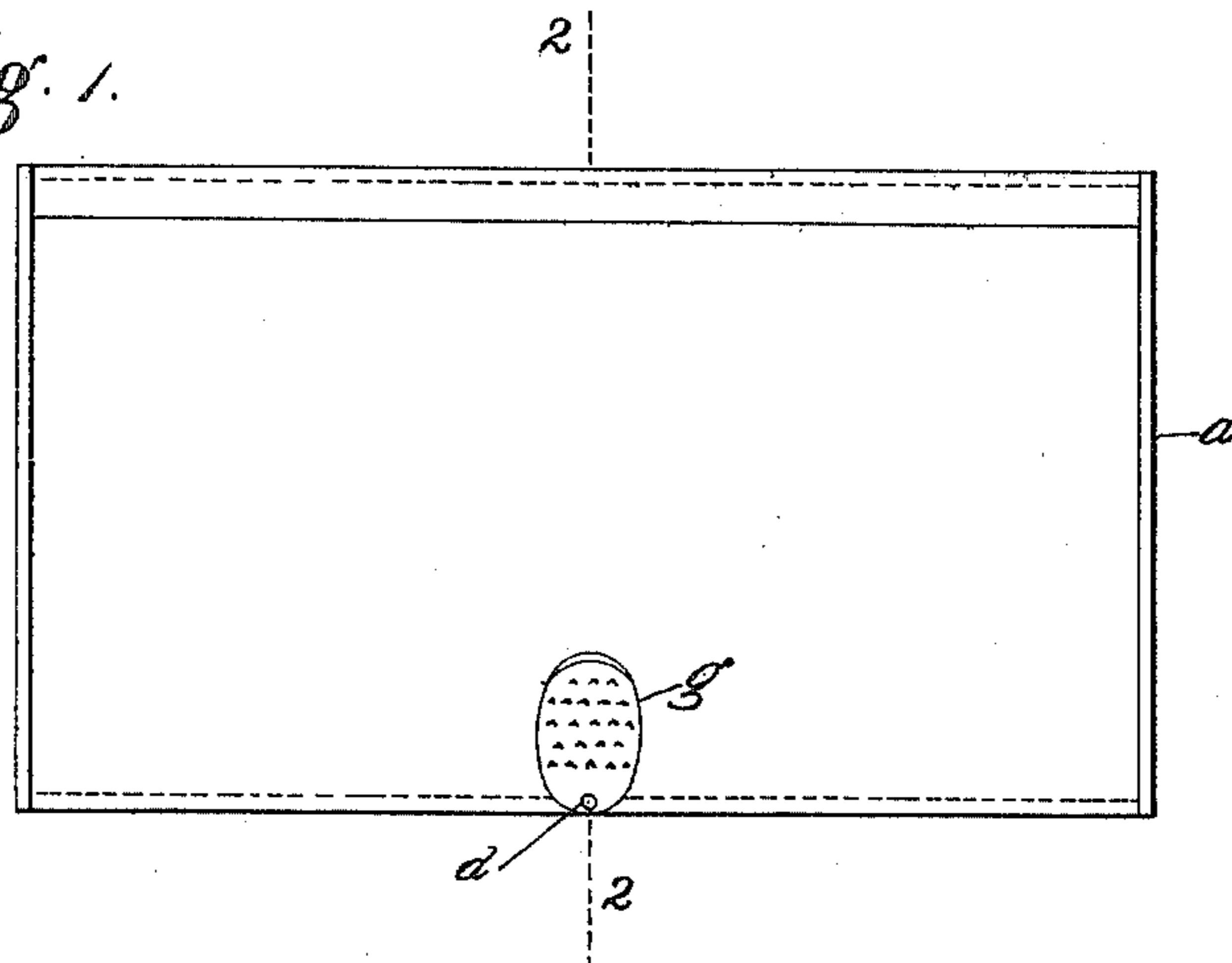


Fig. 2.

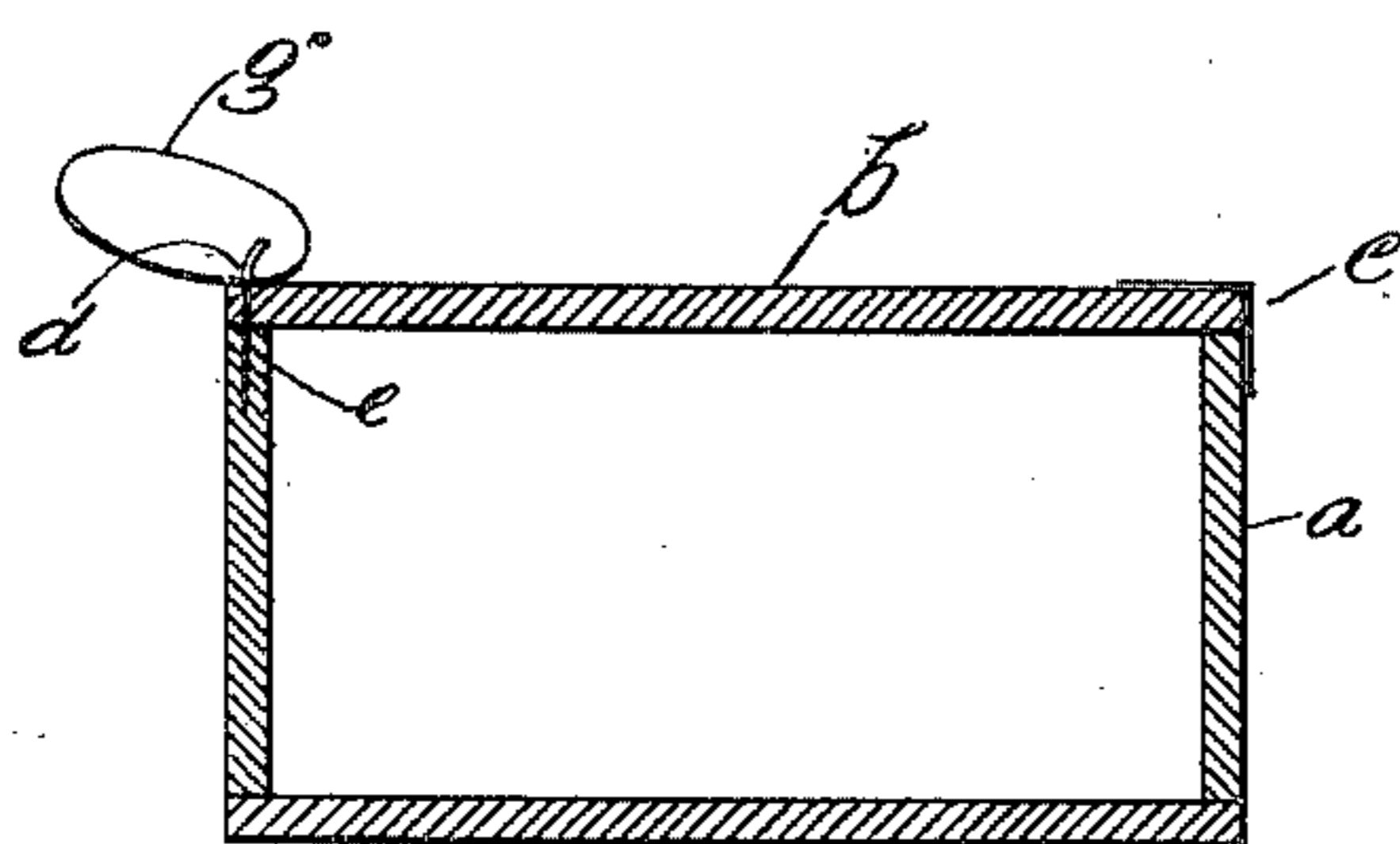
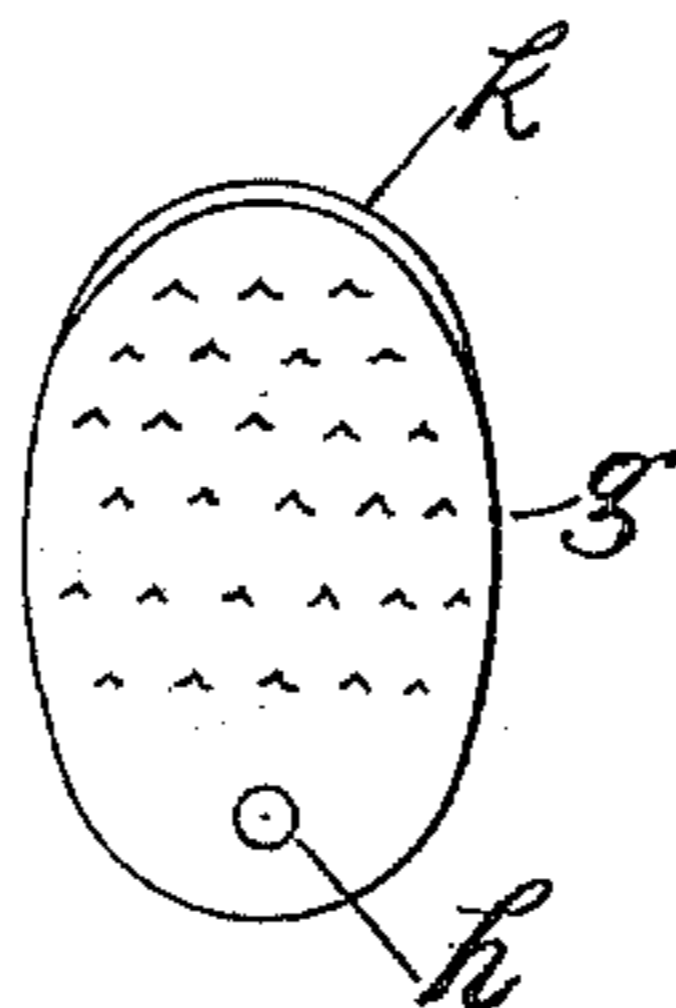


Fig. 3.



WITNESSES

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FASTENING AND RELEASING DEVICE FOR BOXES.

SPECIFICATION forming part of Letters Patent No. 668,018, dated February 12, 1901.

Application filed October 29, 1900. Serial No. 34,712. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH POPPER, a citizen of the United States, residing at New York, (Coney Island,) in the county of Kings and State of New York, have invented certain new and useful Improvements in Fastening and Releasing Devices for Boxes, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to devices for fastening or securing the lids or covers of cigar-boxes and other and similar boxes and means for releasing said securing devices; and the object thereof is to provide an improved combination device of this class which consists of a headed pin or small nail adapted to be driven through one edge of the lid or cover and into one side of the body of the box and a plate eccentrically and revolvably mounted on said headed pin or nail and by means of which said pin or nail may be withdrawn.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by the same reference characters in each of the views, and in which—

Figure 1 is a plan view of an ordinary cigar-box provided with my improvement; Fig. 2, a cross-section of the box on the line 2 2 of Fig. 1 and showing my improved fastening device or devices, and Fig. 3 a plan view of a plate which I employ and which is used in connection with the fastening device.

In the drawings forming part of this specification I have shown at *a* an ordinary cigar-box provided with a cover *b*, which in practice is hinged at *c* in the usual manner, this hinge being made by paper or other suitable material pasted over and longitudinally of the connection at *c*, and in the practice of my invention I provide a headed pin or fine nail *d*, which is adapted to be driven through the edge of the lid or cover *b* into the side of the box, as shown at *e*.

I also provide a plate *g*, which, as shown in the drawings, is elliptical in form, but which may be circular, octagonal, rectangular, or of any desired shape, and said plate is provided eccentrically of the center thereof and preferably near one edge, and also near one end

if the plate is elliptical or oblong in form, with a perforation or hole *h*, through which the pin or nail *d* is passed. The plate, as shown, is thin and of uniform thickness in cross-section and particularly is plane or smooth upon its under face. In practice it lies perfectly flat upon the box-cover and is free to move inwardly and outwardly, as shown in the drawings. The upper face thereof is roughened, as indicated at *g'*, which facilitates the turning of the same by the thumb or other finger. The plate *h* is also beveled at a portion of one edge thereof, as shown at *k*, so as to provide a cutting edge by means of which the paper binding and stamps pasted over the ends and front top portion of a cigar-box may be cut.

In securing the lid or cover *b* the pin or nail *d* is passed through the hole or opening *h* and driven through the edge of said lid or cover into the front side of the box in the usual manner and as clearly indicated in Figs. 1 and 2, and the plate *g* is turned so that the edge of the end thereof in which the hole or opening *h* is formed is flush with the front side of the box.

In opening the box the plate *g* is swung around, as shown in Fig. 2, and used as a lever to draw the pin or nail *d*, said plate being grasped between the thumb and forefinger of the hand and one edge thereof turned upwardly, and this operation pulls or withdraws the pin or nail *d*, as will be readily understood, after which the sharpened or beveled edge of said plate may be used for cutting the paper and stamps at the ends and front side portion of the lid or cover, as hereinbefore described.

Although I have described the pin or nail *d* as provided with a head, it will be apparent that any suitable means may be employed for holding the plate *g* thereon, such as a nut or a lock-pin or any similar device.

It will be apparent that this form of fastening device, of which the plate *g* forms a part, may be used in connection with any kind or class of boxes of the class specified, and my invention is not limited to the form of the plate *g* or to the material thereof, and changes in and modifications of the construction described may be made without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The herein-described device for fastening the lid or cover of a box and for releasing the same, consisting of a pin which is adapted to be driven through the lid or cover into one side of the box, and a rigid plate eccentrically mounted on said pin above the lid or cover, and revoluble whereby it may be turned inwardly of the box or outwardly to project therefrom, and plane or smooth upon its under surface to permit of such turning and to permit the plate to lie flat upon the box-cover, and the said plate being thin, and of substantially uniform thickness to enable it to be held by the fingers and turned to cause one side of the same to act as a fulcrum to withdraw the pin, substantially as shown and described.

2. The herein-described device for fastening the lid or cover of a box and for releasing the same, consisting of a pin which is adapted to be driven through the lid or cover into one side of the box, and a rigid plate eccentrically mounted on said pin above the lid or cover and revoluble whereby it may be turned inwardly of the box or outwardly to project therefrom, the said plate being plane or smooth upon its under surface, substantially as shown and described.

3. The herein-described device for fastening the lid or cover of a cigar-box or similar receptacle and for releasing the same, consisting of a pin which is adapted to be driven through the lid or cover into one side of the box and a rigid plate mounted on said pin above the lid or cover and revoluble whereby it may be turned inwardly of the box or outwardly to project therefrom, the said plate being plane or smooth upon its under surface, and being provided with a curved periphery or edge, the said edge being formed and adapted to act as a cutter to insert around the edges of the lid of the box to permit opening the same, substantially as shown and described.

4. The herein-described device for fasten-

ing the lid or cover of a cigar-box or similar receptacle and for releasing the same, consisting of a pin which is adapted to be driven through the lid or cover into one side of the box and a rigid plate mounted on said pin above the lid or cover and revoluble therewith whereby it may be turned inwardly of the box or outwardly to project therefrom, the under surface of the plate being plane or smooth to permit turning and to enable it to lie flat upon the box-cover, and the said plate being thin and of substantially uniform thickness and being further formed with a curved or rounded periphery or edge formed and adapted to act as a cutter to insert around the edge of the box-lid to permit opening the same, substantially as shown and described.

5. The herein-described devices for fastening the lid or cover of a box and for releasing the same, consisting of a pin or nail adapted to be driven through the edge of the lid or cover into one side of the box, and a plate eccentrically mounted on said pin or nail and adapted to turn thereon, and adapted to rest on the lid or cover of the box, a portion of the edge of said plate being beveled or sharpened, substantially as shown and described.

6. A device for opening cigar-boxes, comprising the combination with a removable pin inserted through the cover or lid of the box into the body portion thereof; of a plate apertured near one end thereof eccentrically, and mounted upon the said removable pin above the box-lid, said plate being normally positioned within the edge of the lid and adapted to be shifted outwardly, whereby it may be used as a thumb-lever to be turned laterally to withdraw the removable pin, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 25th day of October, 1900.

JOSEPH POPPER.

Witnesses:

C. C. OLSEN,
F. A. STEWART.