

(No Model.)

I. GOLDBERGER.

BOX.

No. 352,746.

Patented Nov. 16, 1886.

FIG. I.

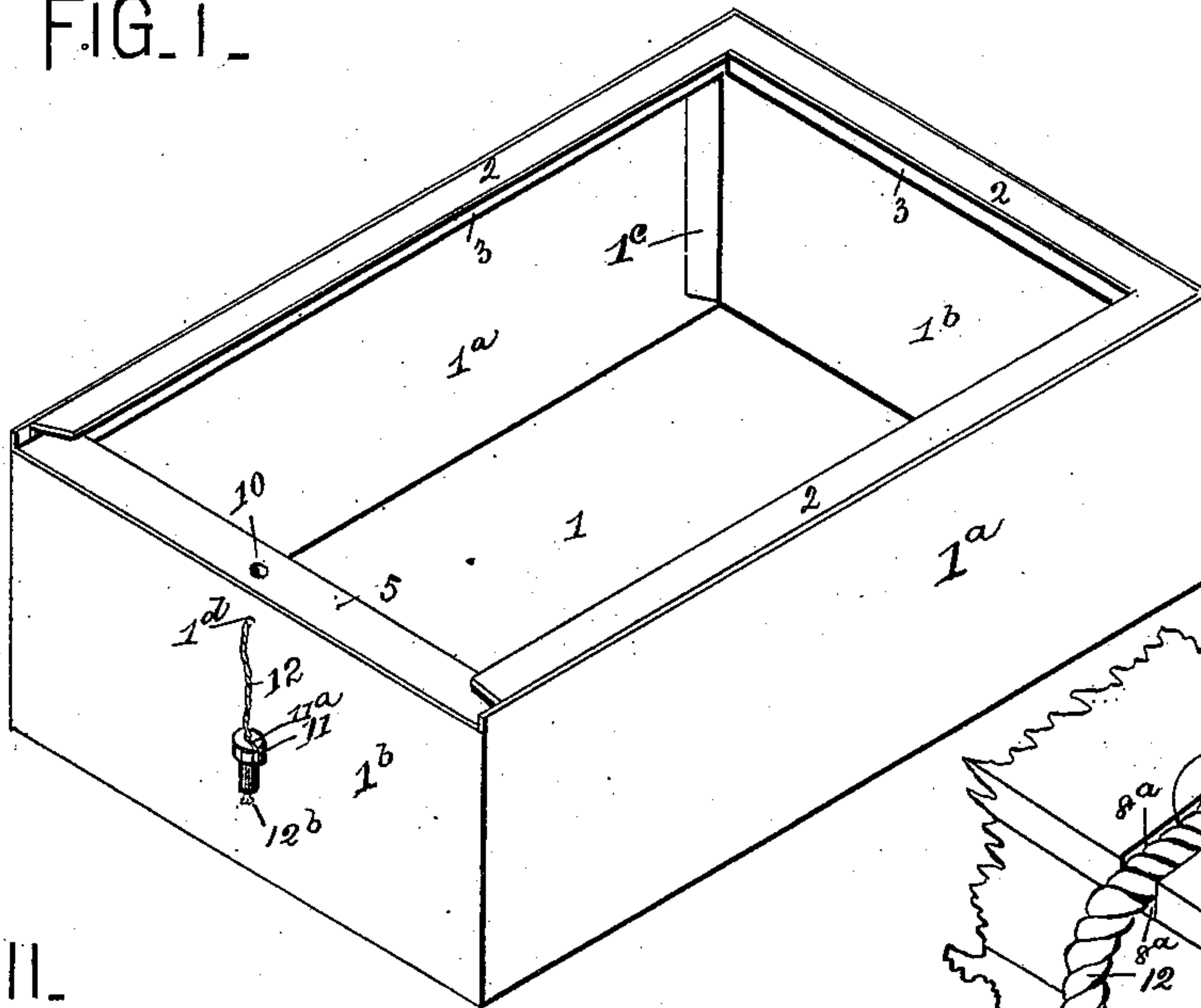


FIG. V.

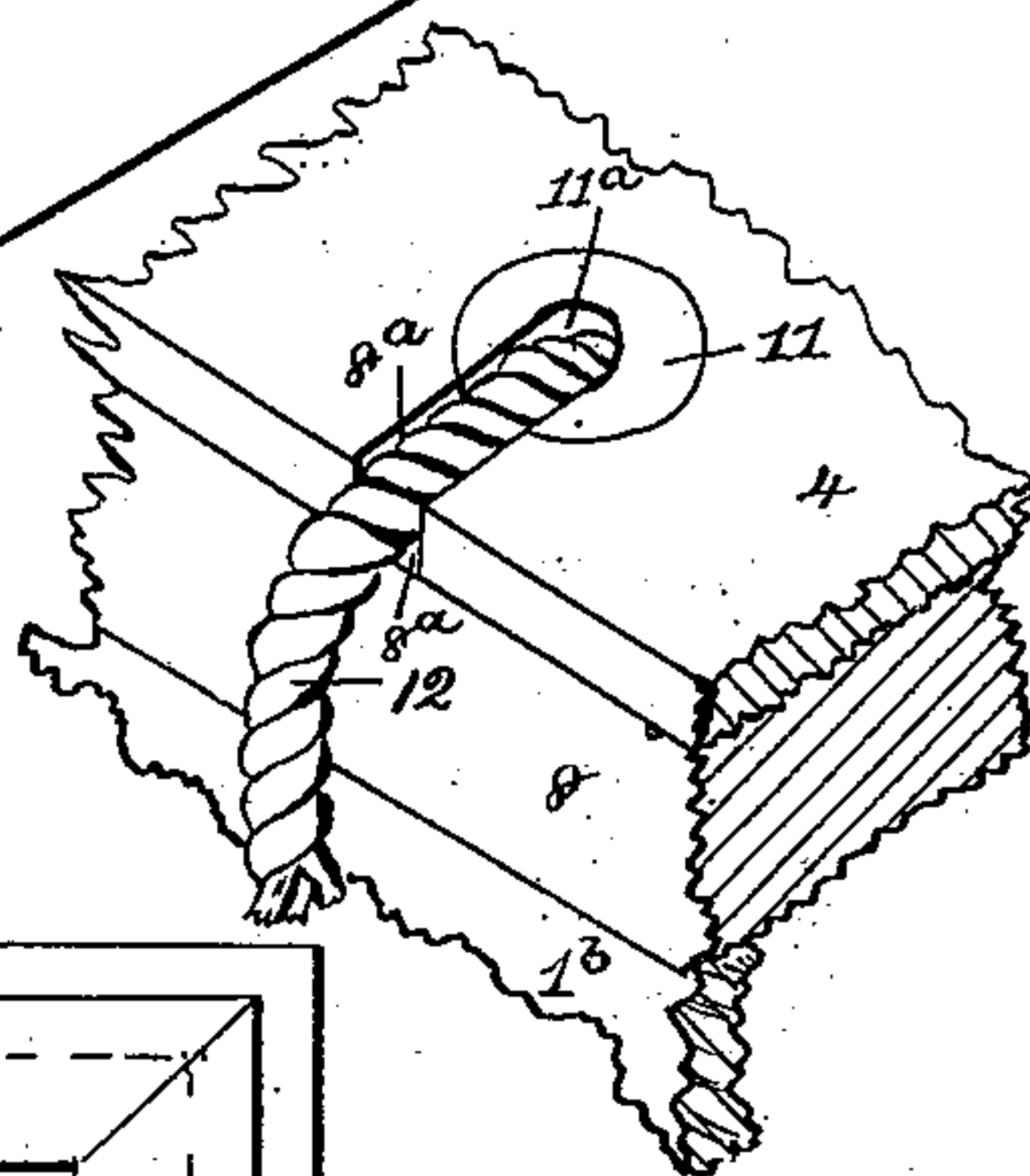


FIG. II.

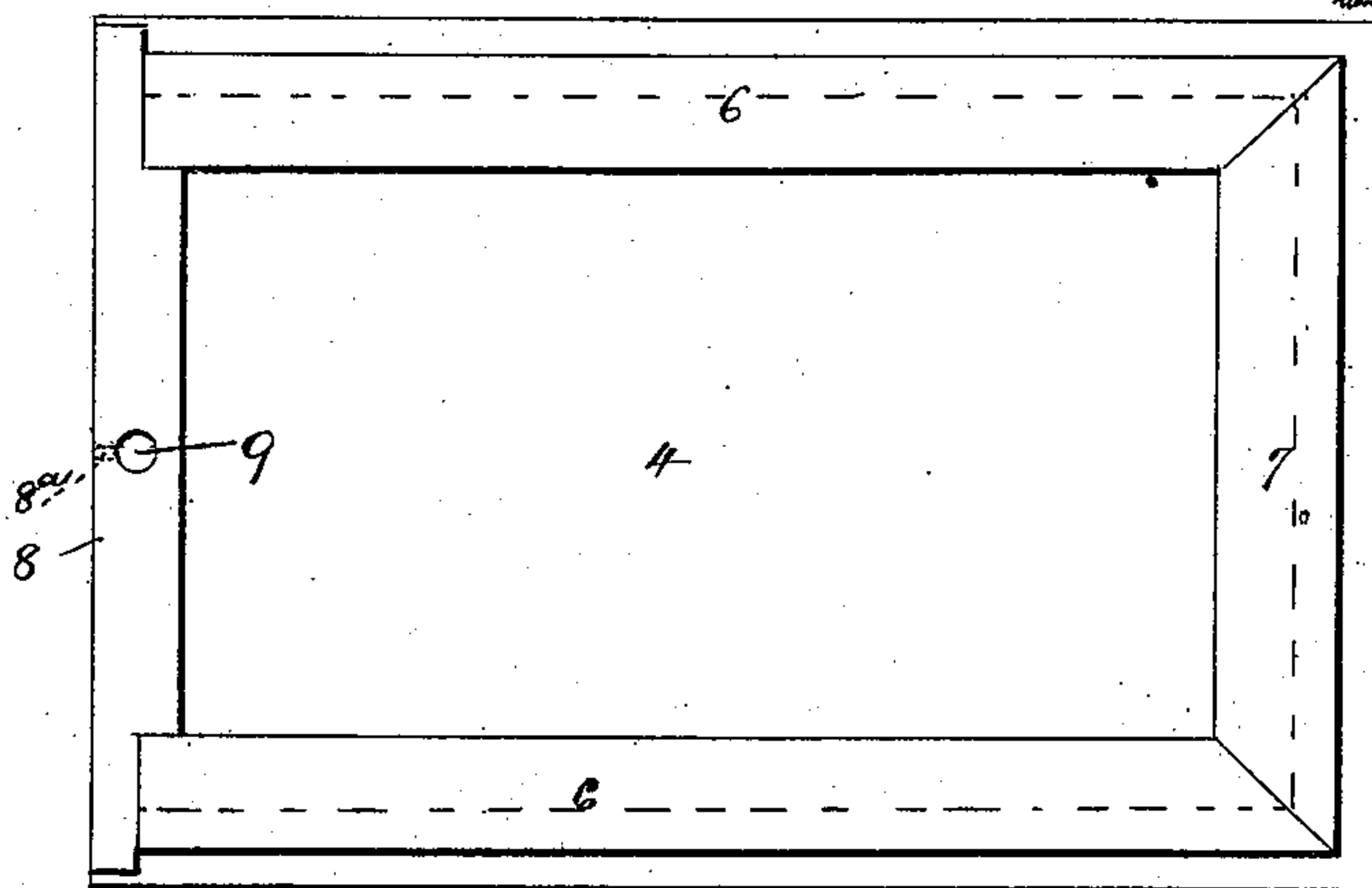
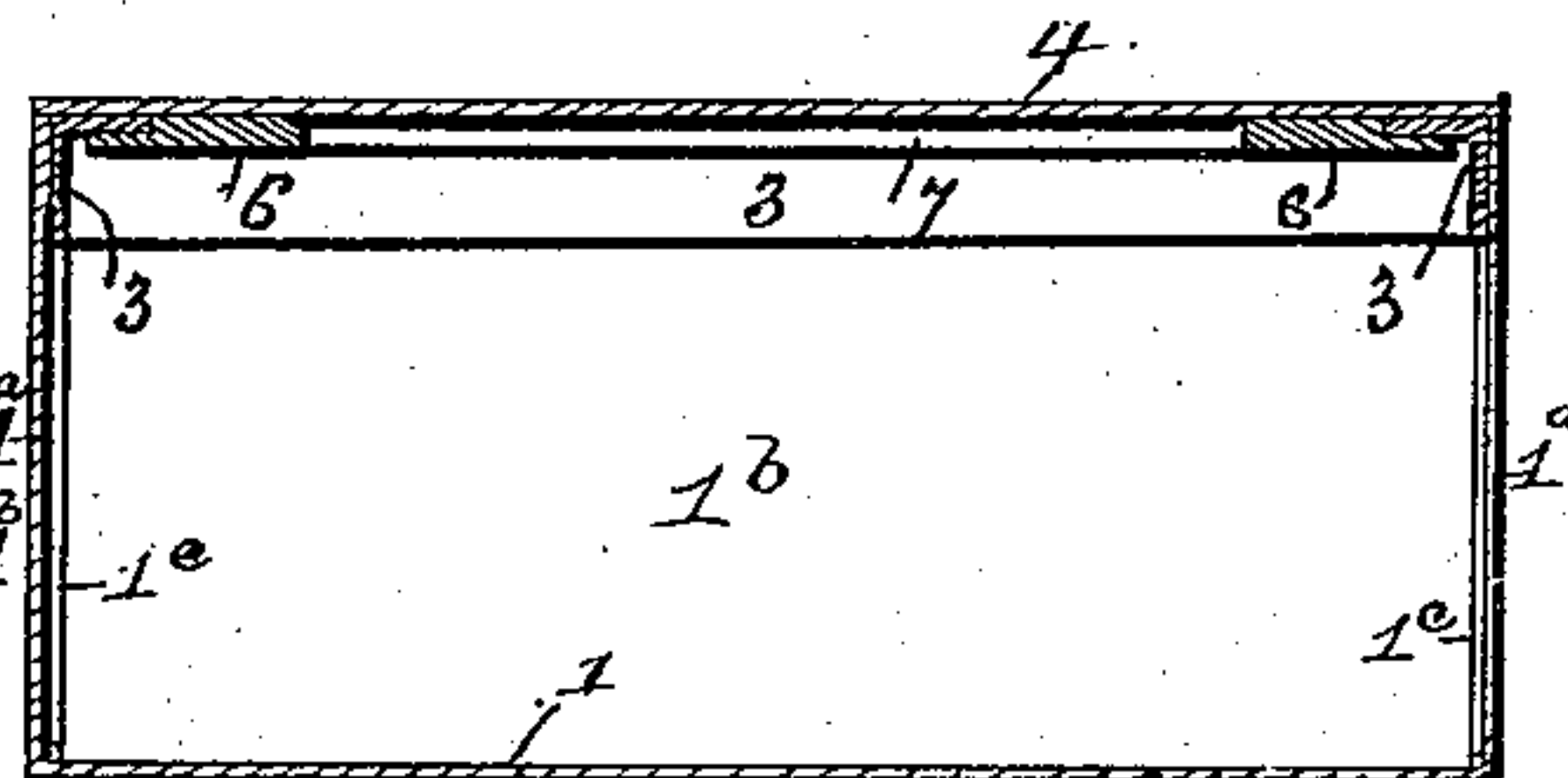
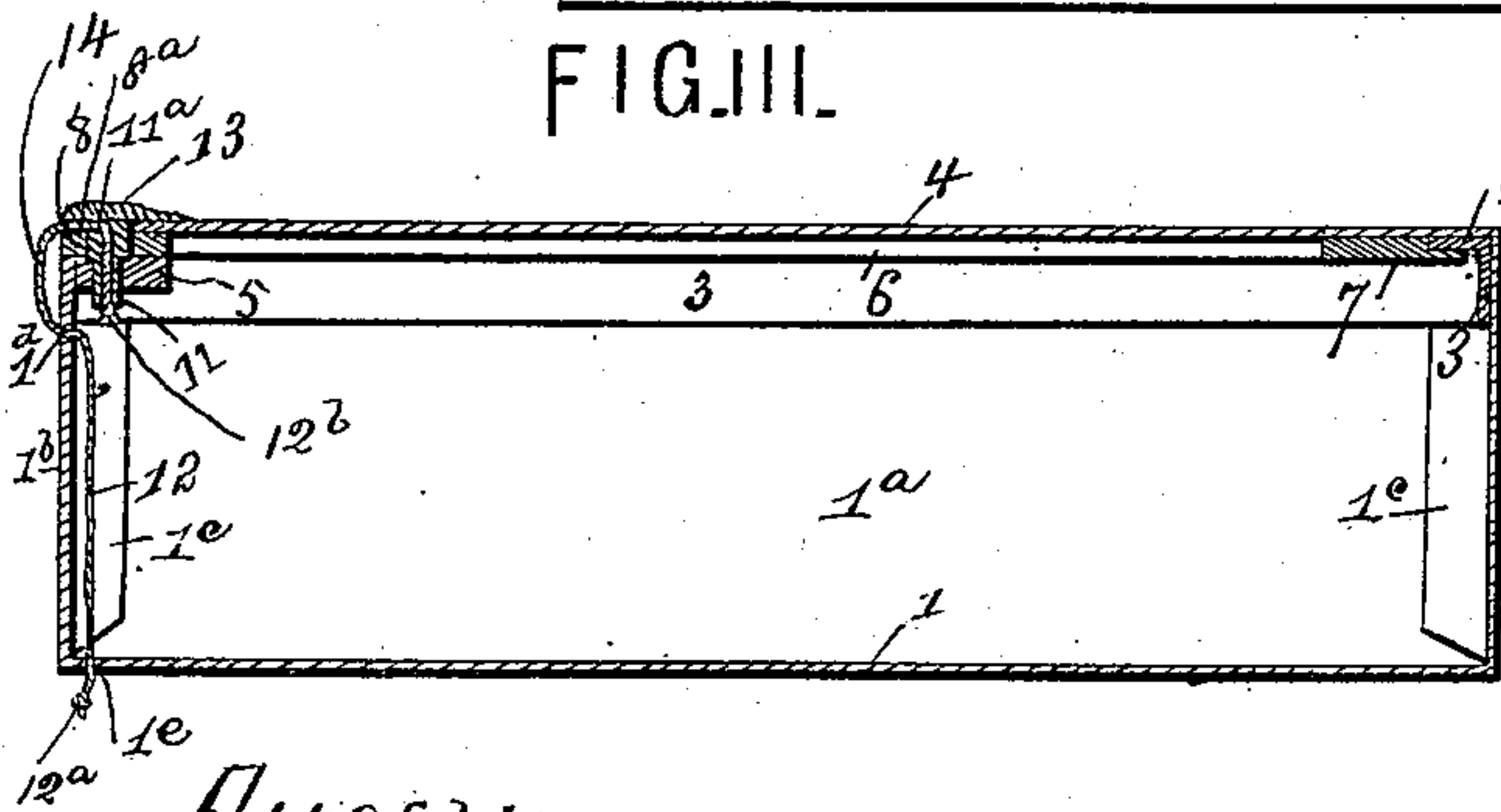


FIG. III.

FIG. IV.



Attest:

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By

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*atys.*



# UNITED STATES PATENT OFFICE.

IGNACZ GOLDBERGER, OF CLEVELAND, OHIO.

## BOX.

SPECIFICATION forming part of Letters Patent No. 352,746, dated November 16, 1886.

Application filed October 3, 1885. Serial No. 178,941. (No model.)

*To all whom it may concern:*

Be it known that I, IGNACZ GOLDBERGER, a subject of the Emperor of Austria and King of Hungary, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Boxes, of which the following is a specification.

My invention relates to those boxes in which the cover is secured to the body by means of a shouldered pin; and it consists in the construction hereinafter described, and pointed out in the claims.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, forming part of this specification, in which—

Figure I is a perspective view of the box without the cover, showing, also, the shouldered locking-pin suspended therefrom. Fig. II is an under side view of the cover. Fig. III is a vertical longitudinal section of the box closed, showing the manner of securing the pin to the body. Fig. V is a perspective view of the pin portion of the box on a much larger scale, showing the locking-pin inserted in the box and the cord occupying the grooves in the pin-head and cover. Fig. IV is a transverse section of the same.

The box may be made of paper or paste-board, or of wood or metal, if greater durability be desired, and lightness is not important. The box has a body formed in one piece, with a bottom, 1, upturned sides 1<sup>a</sup>, and upturned ends 1<sup>b</sup>, with inturned laps 1<sup>c</sup> secured to the sides. On each side and at the rear end is an inwardly-projecting marginal horizontal flange, 2, and vertical flanges 3. These flanges are formed in one piece of material—such as straw-board or pasteboard—and serve to stiffen the upper margin of the box as well as to receive and secure the sliding cover 4, as hereinafter described. The front margin of the box is stiffened and strengthened by a strip or bar, 5, preferably of wood, the upper surface of which is slightly below the level of the marginal flange 2.

To the under surface of the cover 4, on the two sides and the rear end, are secured rabbeted strips 6 6 7, preferably of wood, forming flanges which engage with the marginal flange

2 of the box, as clearly shown in Figs. III and IV, adapting the cover to slide on and off the box, partly or completely, as desired, exposing the whole or any desired portion of the box when open, and when shut forming a very secure closure, the interlocking flanges of the box and cover mutually supporting one another, so that when closed the sides and top are united as if in one continuous body.

The front end of the cover is strengthened and stiffened by a strip, 8, preferably of wood, secured to its under side flush with the side and end strips, 6 6 7, and, when the cover is slid completely on to close the box, slips over the front strip 5 of the box, in close contact therewith. These two strips 8 and 5 are provided with registering cylindrical holes 9 10, the hole 9 in the cover-strip 8 being of larger size than the hole 10 in the box-strip 5, to adapt them to receive a shouldered pin having cylindrical head and cylindrical body 11, of such dimensions that when fully inserted, so that its shoulder comes to a bearing on the top of the strip 5, the top of the pin will be flush with the surface of the cover. The pin 11 is conveniently connected to the box by a cord, 12, passing through it longitudinally, and affording ready means for withdrawing it when the box is to be opened.

The pin-head is formed with a groove, 11<sup>a</sup>, and the cover with a groove, 8<sup>a</sup>, for the cord to lie in. The pin is secured to the box by forming a knot, 12<sup>b</sup>, on the inner end of the cord, and passing the other end of the cord through a perforation, 1<sup>d</sup>, in the front end of the body, 8, then through a perforation, 1<sup>e</sup>, in the bottom, and then forming another knot, 12<sup>a</sup>, at the outer end.

When the pin 11 is inserted to lock the cover on the box, its position flush with the surface of the cover, the shoulder seated on the lower strip, 5, permits the application of a seal, 13, of wax or paper, which will prevent the opening of the box or withdrawal of the locking-pin surreptitiously.

In applying the pin by a cord, in the manner described, the cord is secured permanently at its outer end to two parts of the body, (one end and bottom,) and at its inner end by a secure fastening lengthwise of the box, forming a



handle or loop, 14. The box can be drawn or lifted by endwise pull on the box, or the seal can be broken and the pin withdrawn by pulling one end of the cord upwardly. The cord 5 can be pulled taut by taking hold of the knot beneath the bottom.

My improved box is well adapted for shipping goods either by express or mail; also, for city delivery of goods, and for keeping 10 goods on the shelves of either wholesale or retail stores. Its combined lightness and strength make it very useful for the millinery, cloak, and other trades, and for shipping by mail.

The mode of applying and securing the cover 5 as now improved and perfected is applicable to boxes of various sizes within a wide range. It also affords great security against the extraction of even small articles without withdrawing the cover, as the interlocking flanges 10 preclude access at the sides or rear; and the tightly-fitting bars or strips 5 and 8 prevent it at the front.

The improved box is also neat and elegant in appearance, being entirely without 5 slightly projections.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A box consisting of a body, a marginal 5 horizontal flange, 2, formed in one piece with

vertical flanges 3, and extending around the sides and rear end, a cover, 4, extending over the flange and body, having rabbeted side strips, 6, and rabbeted end strip, 7, receiving the flange, and the front strips, 5 and 8, substantially as set forth. 35

2. The combination of the body having end perforation, 1<sup>a</sup>, and bottom perforation, 1<sup>b</sup>, front strip 5, having perforation 10, cover having a front strip, 8, formed with a perforation, 9, and a locking-pin, 11, fitting in the front strips and provided with a cord secured thereto, passed through the end perforation forming a loop, and through the bottom perforation and secured by a knot to the bottom, 45 substantially as shown and described.

3. The combination of the body having a front strip, 5, formed with perforation 10, cover having a front strip, 8, formed with perforation 9, and groove 8<sup>a</sup>, leading therefrom, 50 and a locking-pin, 11, fitting in said perforations, having a groove, 11<sup>a</sup>, and provided with a cord secured to the body and seating in said grooves flush with the cover, substantially as shown and described.

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Witnesses:

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