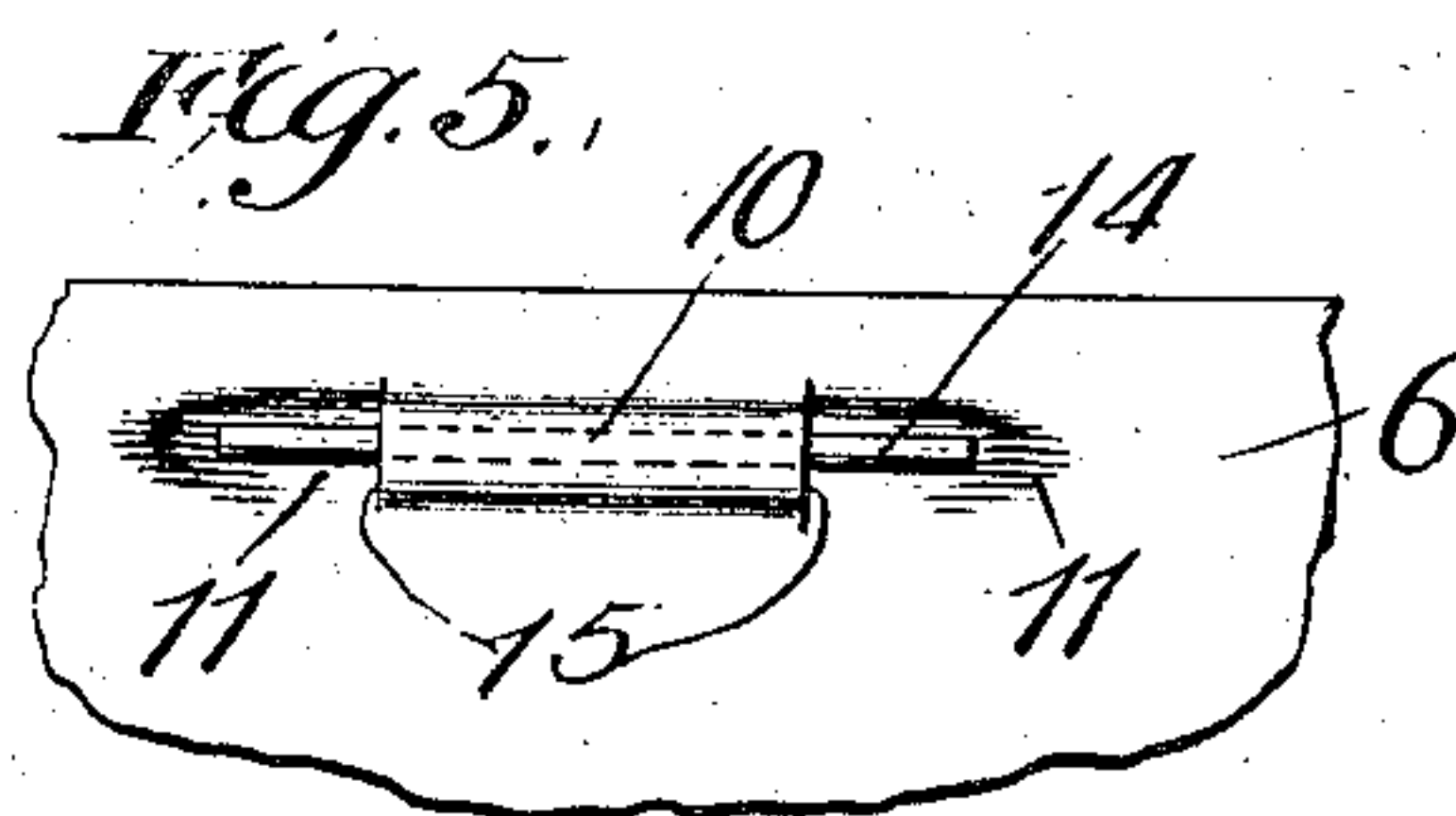
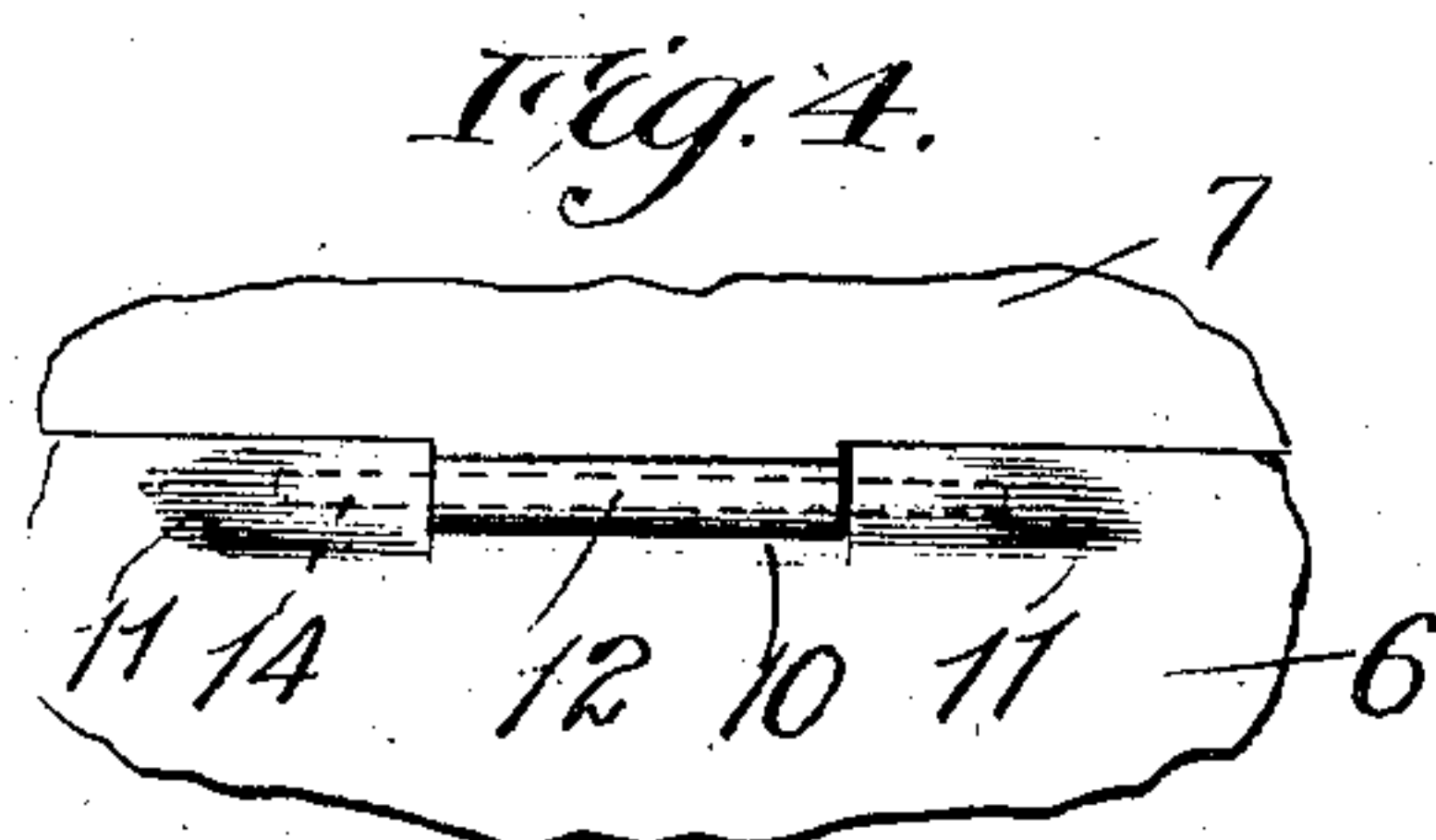
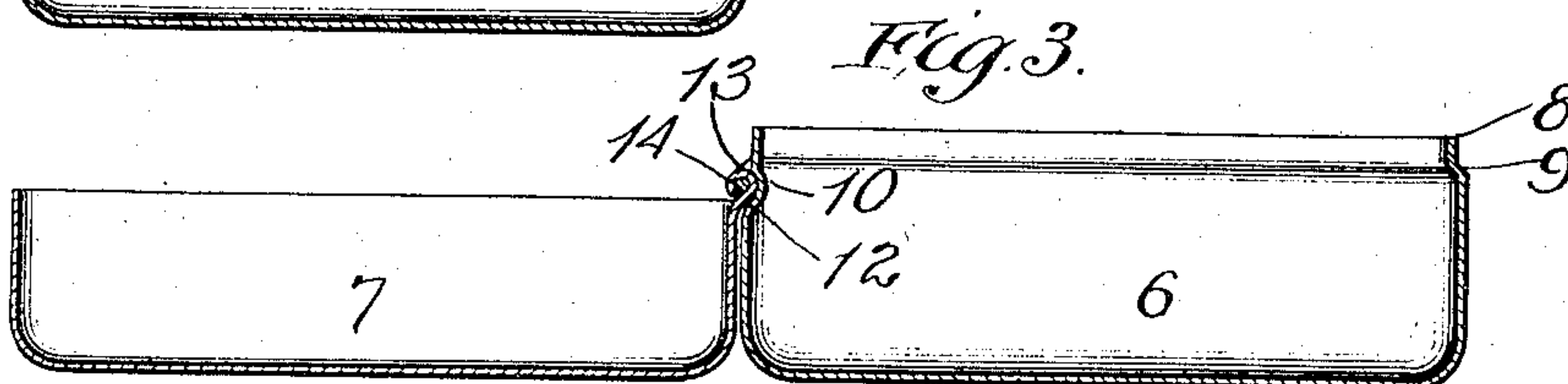
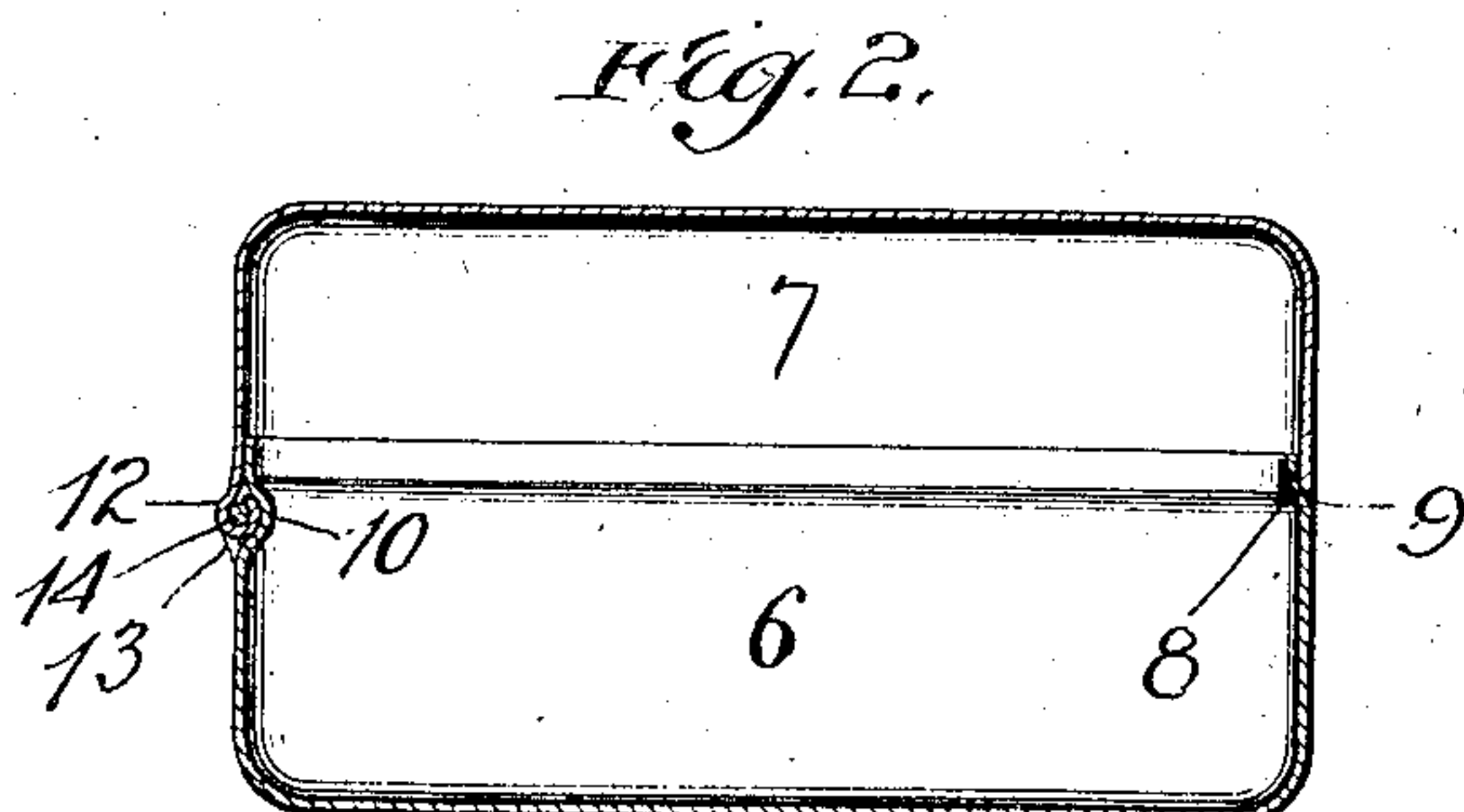
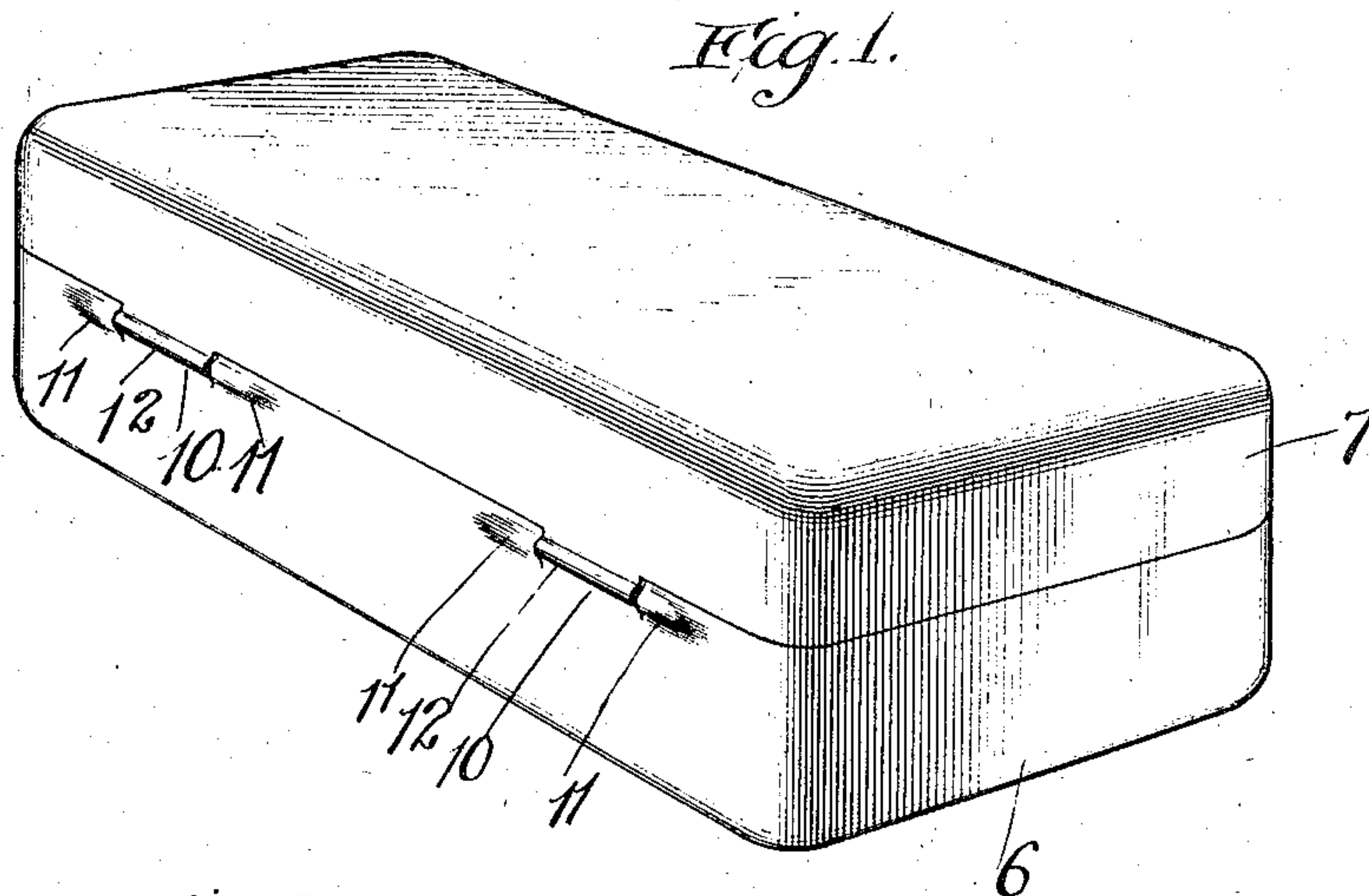


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BOX.  
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928,881.

Patented July 20, 1909.



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# UNITED STATES PATENT OFFICE.

WINSLOW R. PARSONS, OF CHICAGO, ILLINOIS, ASSIGNOR TO CHICAGO TITLE AND TRUST COMPANY, TRUSTEE, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

## BOX.

No. 928,831.

Specification of Letters Patent.

Patented July 20, 1909.

Application filed April 1, 1907. Serial No. 365,820.

*To all whom it may concern:*

Be it known that I, WINSLOW R. PARSONS, a citizen of the United States, and resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Boxes, of which the following is a full, clear, and exact specification.

This invention relates to improvements in boxes having hinged at one side a cover of a depth adapted to operate as a receptacle and holder for a portion of the contents of the box structure as a whole and which for example is the common practice in boxes used for sewing machine attachments and other articles of weight.

The invention is illustrated in the accompanying drawings in which—

Figure 1 is a perspective view of a box, embodying the invention, with the cover closed. Fig. 2, a transverse vertical section of the same through one of the hinges with the box closed. Fig. 3, a similar view with the box open. Fig. 4 a detail sectional view of the box showing an enlarged view of one of the hinge connections viewed from the outside of the box. Fig. 5, a similar view of the hinge as it appears internally of the box.

Similar characters of reference indicate the same parts in the several figures of the drawing.

6 indicates the body of a box and 7, a cover therefor, which as shown is of less depth than the body, but may be of the same depth and as shown has the same lateral and lengthwise dimensions, so that when telescoped upon the box their sides will be in the same plane and to which end the upper edge of the body is recessed inwardly as indicated by 8, forming as it were a contracted flange provided with a shoulder forming a stop 9 limiting the closing movement of the cover.

The body 6 of the box is provided at one side with one or more inwardly projecting recesses 10, at each end of which are outwardly projecting recesses 11, 11 while on the other hand the cover 7 is provided with one or more outward extensions 12 bent to form eyes 13 for the reception of a wire or other pivot 14. The outward extension 12 and eye 13 of the cover preferably correspond in length with the distance between the outward projections 11, 11 of the body and the length of the wire to the distance between the outward ends of the projections 11, 11 so that the wire may be passed through the eye

of the cover from the inside of the box, as indicated in Figs. 4 and 5 and thereafter be held against end-wise movement by the extreme ends of the internal sides of the projections 11, 11 and be thereby confined against accidental detachment, and the cover will be held against an endwise movement relative to the box body.

When designed for use for sewing machine attachments and other articles of considerable weight, the body of the box and the cover are preferably formed of sheet metal and when so formed or from paste-board, two slits 15, 15 (see Fig. 5) are first cut through the side of the box and the metal is pressed to form the inwardly projecting recess 10 and outwardly projecting recess 11, 11, while on the other hand the blank for the cover is so cut as to form the projection or tongue 12, subsequently bent to form the eye 13 but it will be no departure from the spirit of my invention to have the tongue and eye formed of a separate piece subsequently attached to the cover.

The inwardly recessed edge of the box and the shoulder are preferably formed by compression but may consist of a separate narrow strip subsequently secured to the inner face of the box by any suitable means, as for example by soldering or riveting when the box is of metal. In this connection it should be observed that my invention provides for a hinge connection between the body and cover of a box of such a character that its use is not limited to boxes in which the cover is of less depth than the body of the box for on the other hand when both of these parts have the same depth, their open and closed positions will in operation remain the same as when the cover is of less depth than the body, as shown in the drawings, nor is my invention limited to having the eye 13 of a length corresponding with the distance between the projections 11, 11 although by having it of such length, a longitudinal shifting movement of the box and the cover with reference to each other is prevented and the strain upon the several parts reduced to a minimum.

Among the advantages attributable to my invention as compared with prior hinged covered boxes, are that when the box is open and resting on a table or other plain surface, there is absolutely no strain upon the pivot due to the weight of the contents of the box, however great that weight may be; that the



hinges present no unsightly appearance and particularly projections either inwardly or outwardly, liable to injury, but on the other hand present curved surfaces to foreign objects otherwise liable to injure them and no projections liable to injure the user in handling the box. Again a hinged connection embodying my invention is of a character which permits it to be formed in its entirety, except as to the pivot-pin, by die work, the cheapest possible means by which a box can be constructed and in such a manner that no soldering is required and that the leaves of the hinge serve to maintain their pivot-pin in its operative position and against accidental detachment, without any additional means therefor, and a hinged box and cover may be thereby produced which, when it has one or the other of its members recessed to telescope in such a manner with the outer faces of both, may be in the same line and which will perfectly register with each other in both opening and closing and not injure or bind at any point.

In using a box of the character described for holding sewing machine attachments it is a usual practice, in packing the attachments compactly and securely and in such a manner that they will not rattle about in transportation, to provide means for removably securing a part of the various attachments to the inside of the body of the box and a part to the inside of the cover thereof, thus weighting the cover considerably. For this reason it is necessary that the hinge connection of the cover with the body of the box should be a strong and substantial one, and it is desirable to provide means for avoiding undue strain on the hinge. A strong hinge connection of the cover with the body of the box is afforded by providing two separated hinges near the ends of the box, as shown in Fig. 1; and undue strain of the hinges, owing to the weighted cover, is avoided by the construction which permits the cover, when fully open, to rest at one side against a side of the body of the box, as also to rest, at its inverted top, on the same surface as that on which the box rests, as will be understood from Fig. 3; the inverted top of the open cover being on a level, or practically so, with the bottom of the body of the box. The fact that the top of the cover, when the latter is fully open, is on a level, or practically so, with the bottom of the body of the box, is due to a peculiar construction and arrangement of the parts. To secure this result it is necessary

that the depth or height of the cover should be equal, or approximately so, to the distance between the pivotal hinge point, at the pivot pins 14, and the bottom of the body of the box, and which pivotal or hinge point is located below the encircling shoulder or stop 9 at the base of the inset or contracted portion 8 at the top of the body portion of the box, and which contracted portion or inset permits the cover, when closed, to be flush with the outer surface of the body of the box.

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

1. As an improved article of manufacture, a box comprising a body portion having an inset around its top and an encircling shoulder at the base of said inset, said box also comprising a cover having a hinged connection with said body portion at a pivotal point which is below said shoulder and which hinged connection is of such construction as to permit said cover, when fully opened, to rest at one side against one side of said body portion, the said cover being of a height or depth equal, or approximately so, to the distance between said pivotal point and the bottom of said body portion of the box; whereby said cover, when fully opened, is adapted to rest on the surface which supports the box.

2. As an improved article of manufacture, a box comprising a body portion, having an inset around its top and an encircling shoulder at the base of said inset, inward projections below said shoulder separated from each other and located near the opposite ends of the box, said projections affording recesses, and outward projections also below said shoulder and located at the ends of and in line with said inward projections, said box also comprising a cover closely fitting said inset and provided at one side with eyes registering with and fitting within said inward projections, and pivot or hinge pins inclosed within said inward and outward projections and said eyes; whereby, when said cover is closed said cover will be flush with the outer surface of the body of the box and when open will rest at one side against one side of the said body of the box.

In witness whereof, I have hereunto set my hand and affixed my seal, this 29th day of March A. D. 1907.

WINSLOW R. PARSONS. [L. S.]

Witnesses:

JNO. G. ELLIOTT,  
M. S. REEDER.