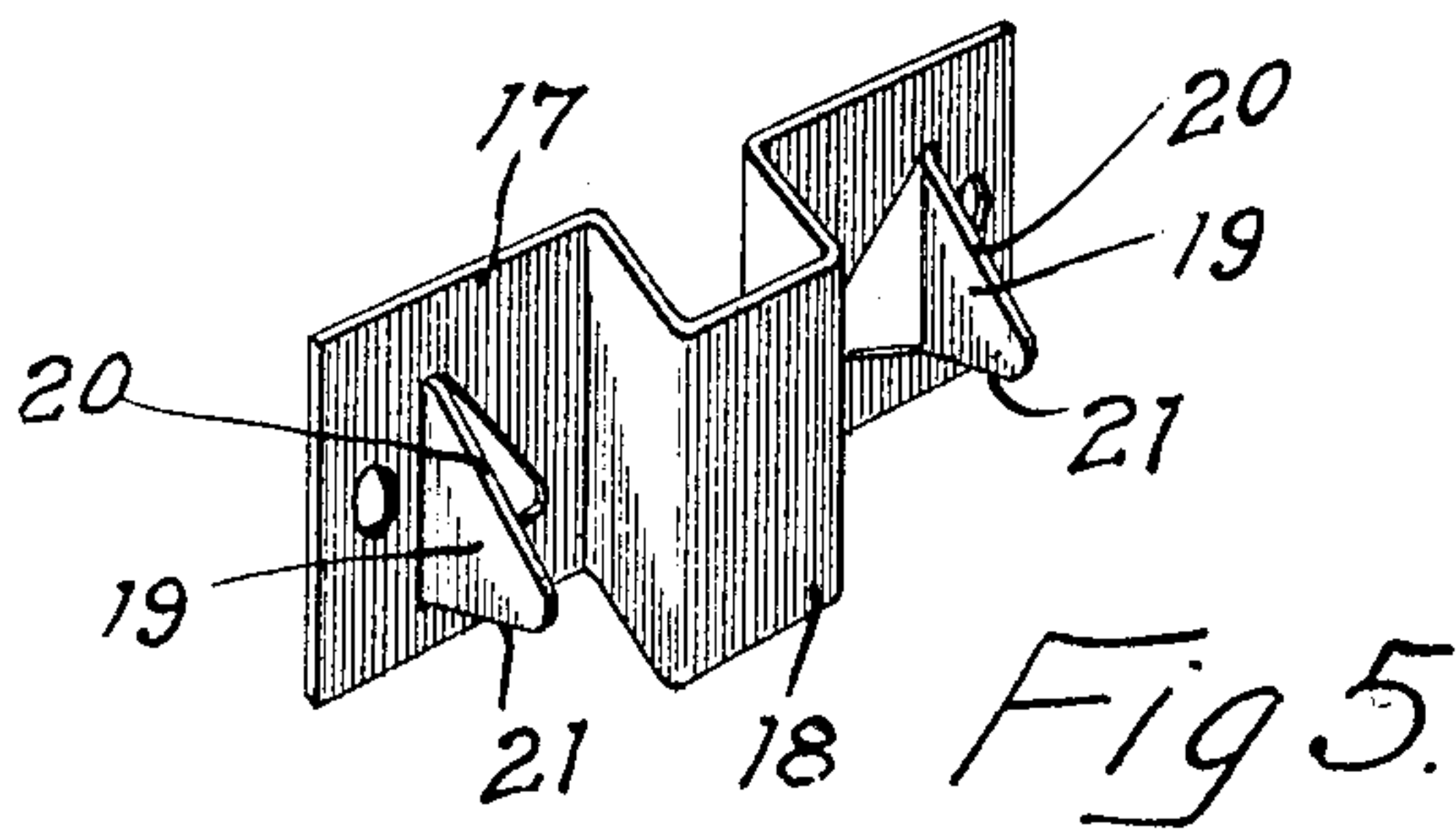
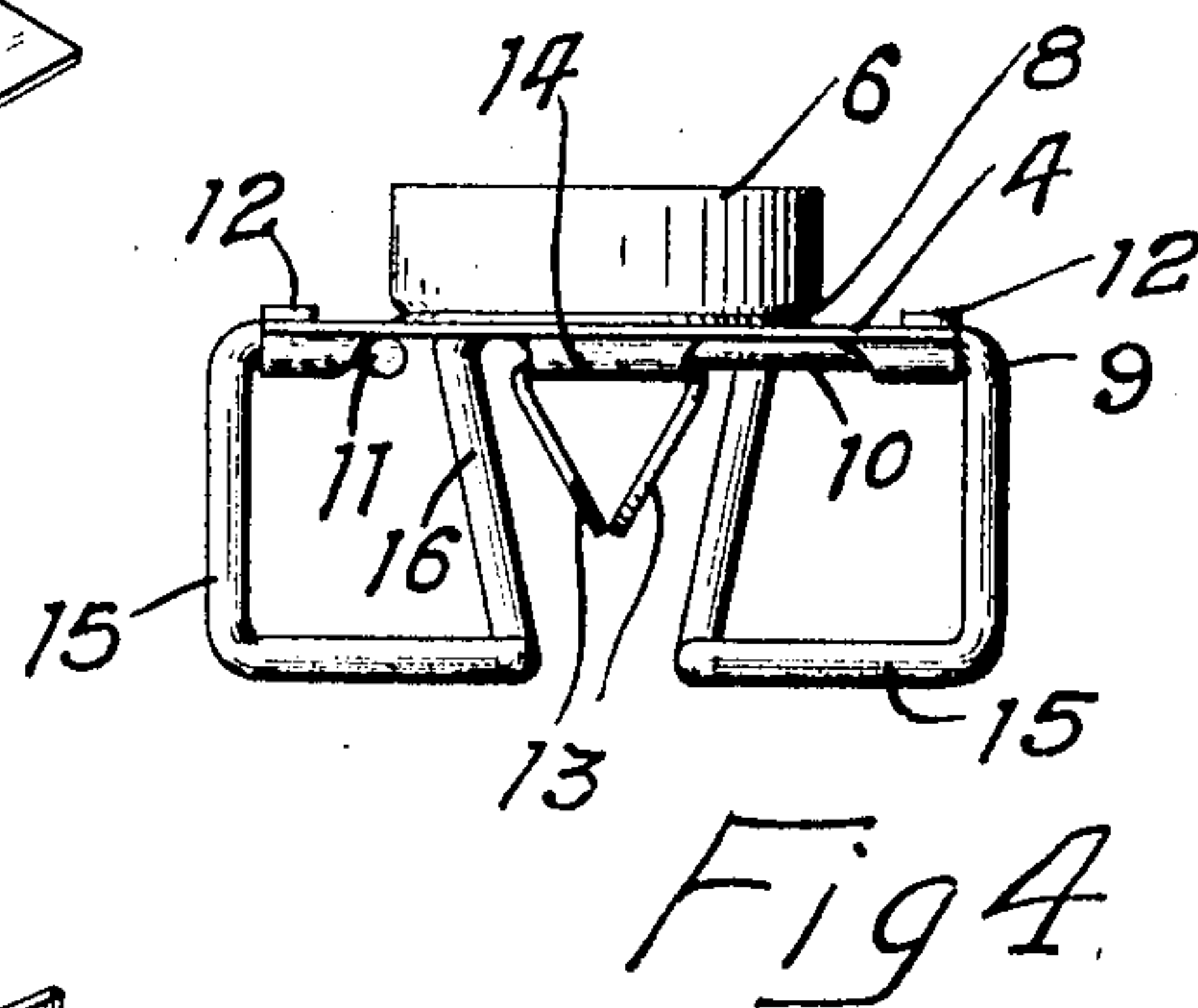
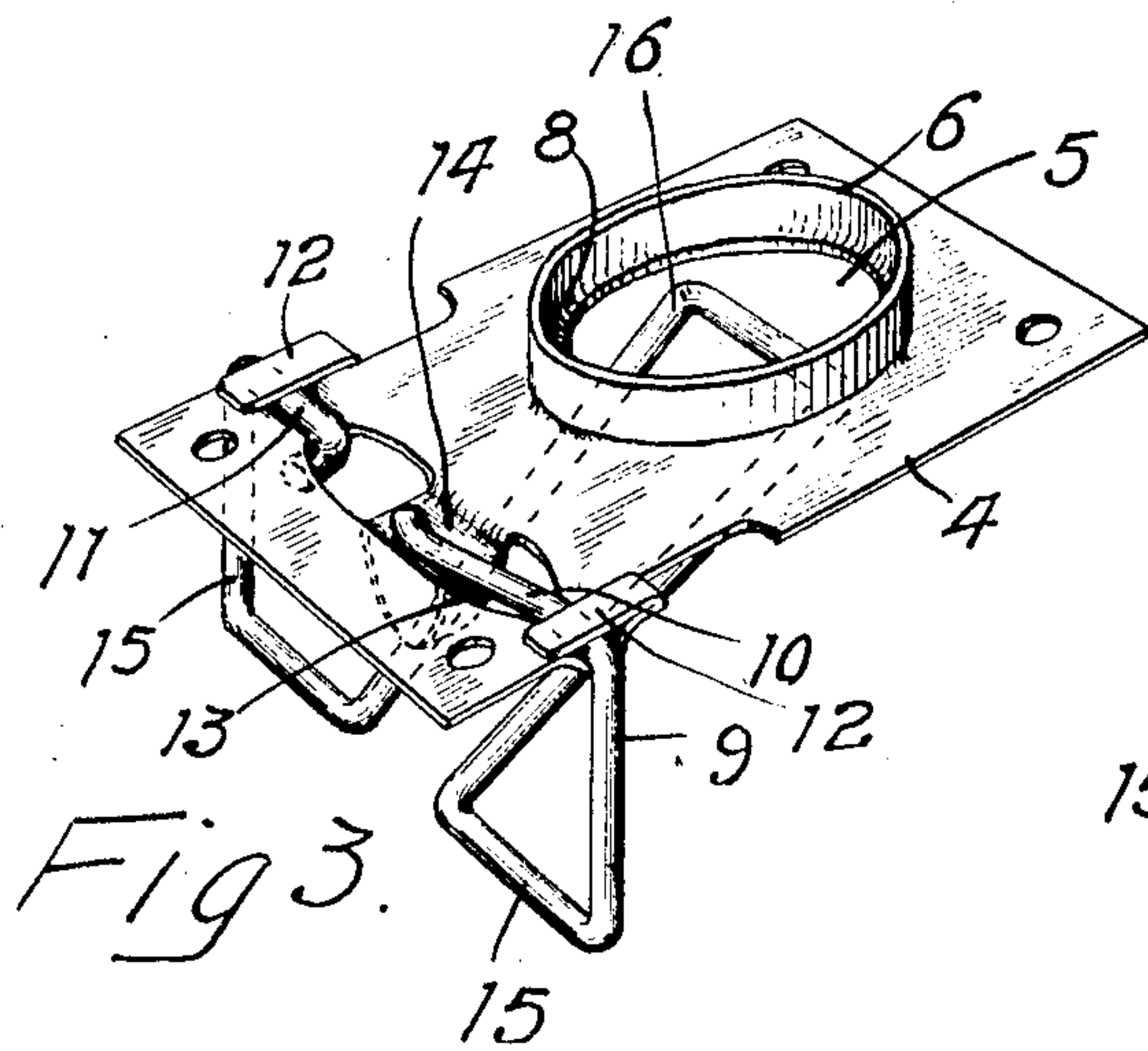
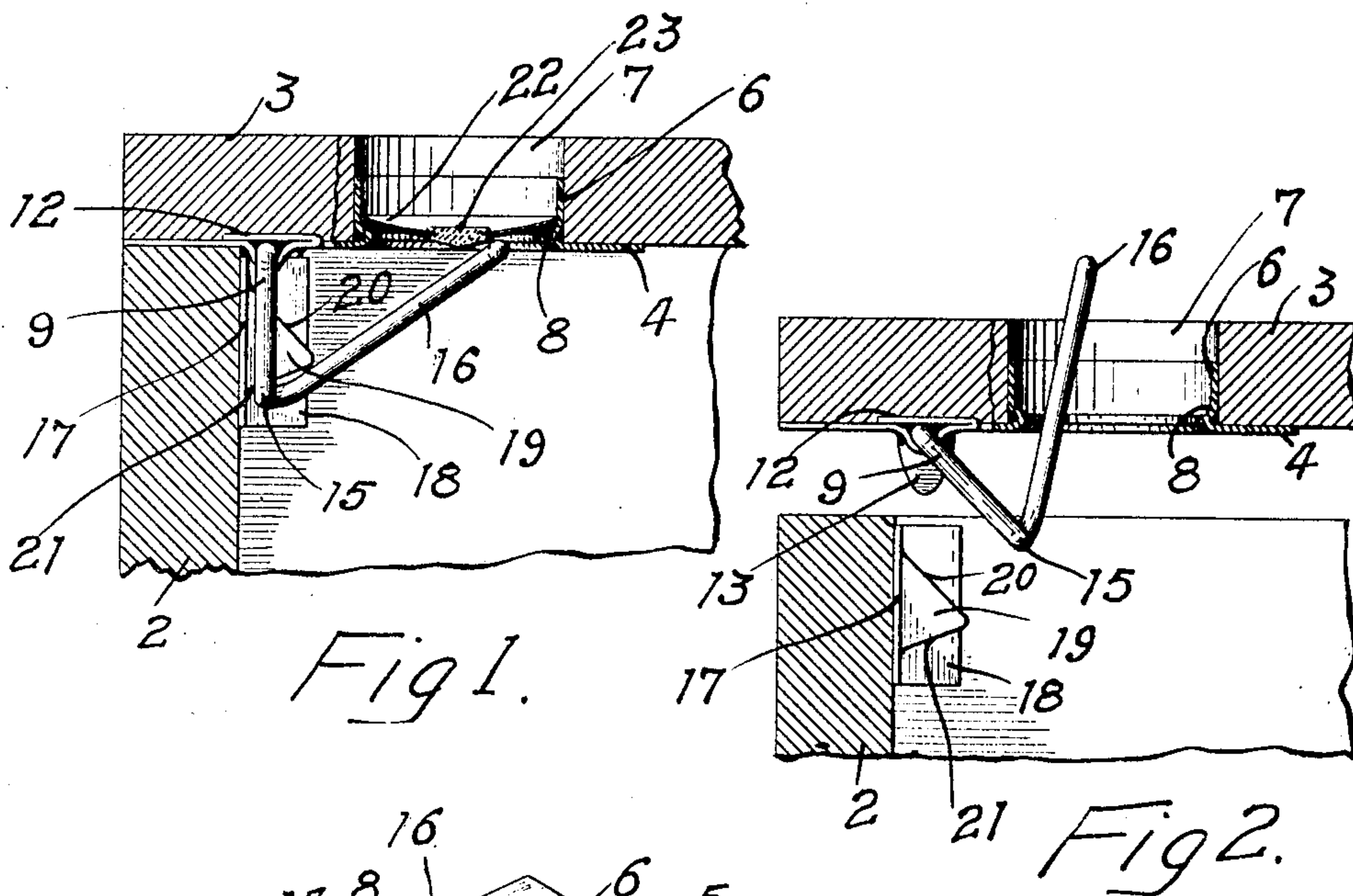


No. 878,215.

PATENTED FEB. 4, 1908.

G. H. MAAS.  
LOCK AND SEALING DEVICE.  
APPLICATION FILED MAR. 28, 1907.



WITNESSES  
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HIS ATTORNEYS



# UNITED STATES PATENT OFFICE.

GEORGE HENRY MAAS, OF MILWAUKEE, WISCONSIN.

## LOCK AND SEALING DEVICE.

No. 878,215.

Specification of Letters Patent.

Patented Feb. 4, 1908.

Application filed March 28, 1907. Serial No. 364,953.

*To all whom it may concern:*

Be it known that I, GEORGE HENRY MAAS, of Milwaukee, Milwaukee county, Wisconsin, have invented certain new and useful Improvements in Locks and Sealing Devices, of which the following is a specification.

The object of my invention is to provide means whereby cases such as usually used by shippers of bottled goods, can be easily and quickly locked preparatory to shipping.

A further object is to provide means for sealing a case or package to insure detection in case any one tampers with the package.

A further object is to simplify and improve the device shown and described in a certain pending application No. 295,544, filed by me January 11, 1906 for a similar invention.

The invention consists generally in various constructions and combinations, all as hereinafter described and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a sectional view illustrating the device in a locked position on a case. Fig. 2 is a similar view showing the device in an unlocked position. Fig. 3 is a perspective view illustrating the device detached from the case. Fig. 4 is an end view. Fig. 5 is a perspective view of the catch device that is secured to the wall of the case.

In the drawing, 2 represents the case or box having a cover 3.

4 is a plate that is secured to the under side of the cover and has an opening 5 surrounded by a bushing 6 that projects up into an opening 7 in the cover. The bushing 6 has curved lower walls 8 corresponding to the lower portion of a cup, and access may be had through the opening 7 and the bushing to the locking device beneath. These walls 8 project into the opening 5 and prevent the disk from being pushed entirely through the opening. Any attempt to force the disk through the opening will only have the effect of breaking or mutilating it in such a way that it would be instantly detected.

9 is a hasp made preferably of wire, and having inwardly turned ends 10 and 11 that are hinged on the plate 4 by means of clips 12 that are punched out of the plate and turned over said ends, as indicated in Fig. 3. Tongues 13 are pressed or punched out of the plate 4 and turned downwardly with their

lower ends in contact with one another, as shown in Fig. 4, and the end 11 is extended down through the opening made by the punching out of one of the tongues 13, and is turned outwardly to engage the under side of the plate 4 and form a stop to limit the movement of the hasp in one direction. The end 10 of the hasp has a bent portion that is extended into a recess 14 formed between the tongues 13 in the said plate 4, the said bent end bearing on the walls of the recess and having sufficient spring to normally hold the hasp in its locking position. Loops 15 are formed in the hasp on each side and an intermediate loop 16 is also provided extending at an angle to the plane of the loops 15 and to a point beneath the hole or opening in the cover when the device is in use. A plate 17 is secured to the side wall of the case and has a vertical socket 18 to receive the tongues 13 and form a guide to properly seat the cover on the case. Catches 19 are punched or pressed out of the plate 17 and have inclined upper edges 20 which engage the loops 15 and direct them down past the catches when the cover is being closed. The catches have horizontal lower edges 21, which entering the loops will hold the hasp securely in position until the loop 16 is lifted and the hasp rotated on its bearings in the plate 4. As stated, the hasp is normally held in its locking position and when the cover is closed will slip down under the catches and automatically lock the case.

To seal the case and prevent any unauthorized person from opening it I provide a sealing device 22 preferably of thin sheet metal adapted to be pressed into the opening inclosed by the bushing 6 and having a center portion 23, preferably of lead, closing a central hole in the disk. When pressed into the cup formed by the bushing the disk assumes the concave form illustrated in Fig. 1 and will effectually prevent access to the lock until the lead center is punctured. This lead center may bear suitable marks or figures useful in identification. After the center of the seal is pierced the disk may be removed by inserting the end of the perforating instrument into the hole in the seal and applying pressure to its outer or upper end with the metal portion resting on the wall of the bushing.

This locking device is designed particu-



larly for use on beer cases, but is applicable wherever it is desired to provide an inexpensive and effectual seal.

I claim as my invention:

5 1. In a device of the class described, the combination, with a case having a cover and a lock device therefor, the cover of said case having a bushing contiguous to said lock device, and a disk concave in form fitting  
10 within said bushing and having a hole in its central portion, and a filling material fitting within the hole in said disk, and the edges of said disk bearing on the wall of said bushing, whereby access to said lock device is pre-  
15 vented and said bushing having means to prevent said disk from being pushed entirely therethrough.

2. The combination, with a case and a cover therefor having an opening, and a  
20 bushing fitting within said opening, of a metallic device of comparatively thin material fitting within said bushing and having a central hole and a lead filler therefor, and the middle portion of said disk being pressed  
25 inwardly beyond its edge, and a cover lock accessible through the hole in said disk when said filler is punctured and said bushing having means to prevent said metallic device from being pushed entirely therethrough.

30 3. The combination, with a shipping case having a cover provided with a hole therein and a disk of comparatively thin material fitting within said hole and having a central opening and a filler therefor, the middle por-  
35 tion of said disk being pressed inwardly beyond its edge and said filler being adapted to be punctured, and a case lock accessible through said disk when said filler is perforated and said hole being of less diameter  
40 at its inner end, whereby said disk is prevented from being pushed through into said case.

4. The combination, with a case having a cover provided with a hole therein, of a plate  
45 secured to said cover and having an opening to coincide with the hole in said cover, a flange provided on said plate and fitting within said cover hole and forming a lining or bushing therefor, a disk of comparatively  
50 thin material fitting within said bushing, said disk having a hole therein and a filler for said hole, and a case lock accessible through the hole in said disk when the filler is punctured and said bushing having means  
55 for preventing said disk from being pushed entirely therethrough.

5. A sealing device comprising a bushing and a disk of flexible material fitting therein, said disk having a hole extending there-  
through, and a filler for said hole, and the 60 middle portion of said disk being pressed inwardly beyond the edge thereof when the device is in use, and said cup having means for preventing said disk from being pushed entirely therethrough substantially as de- 65 scribed.

6. A sealing device comprising a bushing having an inner end of less diameter than its outer end, a disk of flexible material fitting within said bushing, the edge of said disk 70 bearing on the inner surface of said bushing, and said disk having a hole extending there- through and a filler of comparatively soft material for said hole.

7. A sealing device comprising a bushing, 75 a disk of comparatively thin material fitting therein, the edge of said disk contacting with the wall of said bushing and said bushing having means at its inner end for preventing said disk from being pushed entirely there- 80 through and said disk having a hole extending therethrough and a filler for said hole, said filler being adapted to bear suitable marks or characters and being capable of puncture to break the seal. 85

8. The combination, with a cover having an opening therein, of a disk of flexible ma-  
terial fitting within said opening, the edge of said disk bearing on the wall around said opening, and said disk having a hole extend- 90 ing therethrough, and said wall having means for preventing said disk from being pushed entirely through said opening, and a filler of comparatively soft material fitting within said hole. 95

9. The combination, with a cover having an opening therein, of a disk of flexible ma-  
terial fitting within said opening, the edge of said disk bearing on the wall around said opening, said disk having a hole extending 100 therethrough and its middle portion projecting inwardly beyond its outer portion and a filler of comparatively soft material fitting within said hole and means on the wall of said opening to prevent the disk from being 105 pushed entirely through said opening.

In witness whereof, I have hereunto set my hand this 21st day of March, 1907.

GEORGE HENRY MAAS.

Witnesses:

JOHN WEBER,  
PETER SCHMITZ, Jr.