

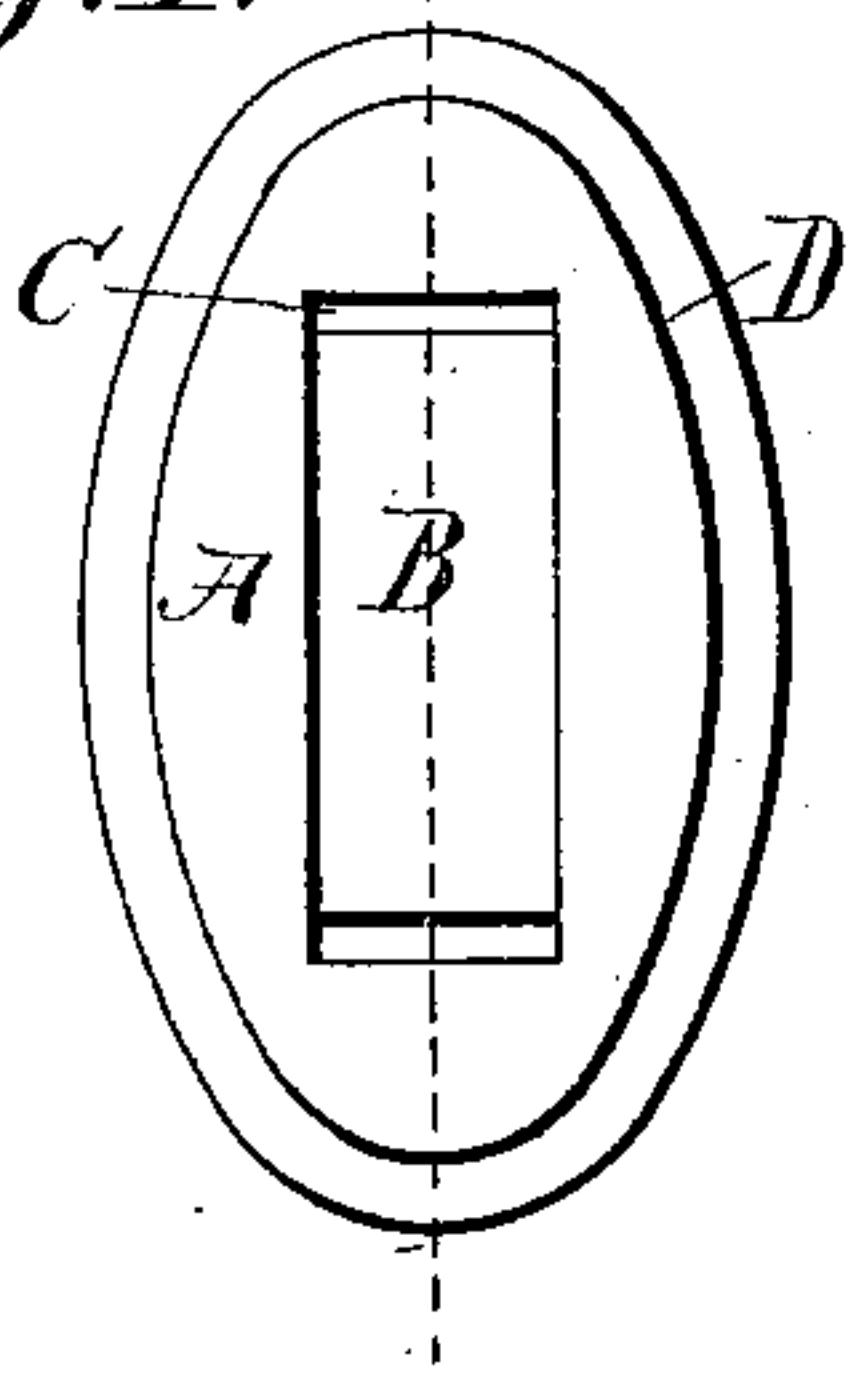
(No Model.)

W. H. REED.  
METALLIC CLAMP.

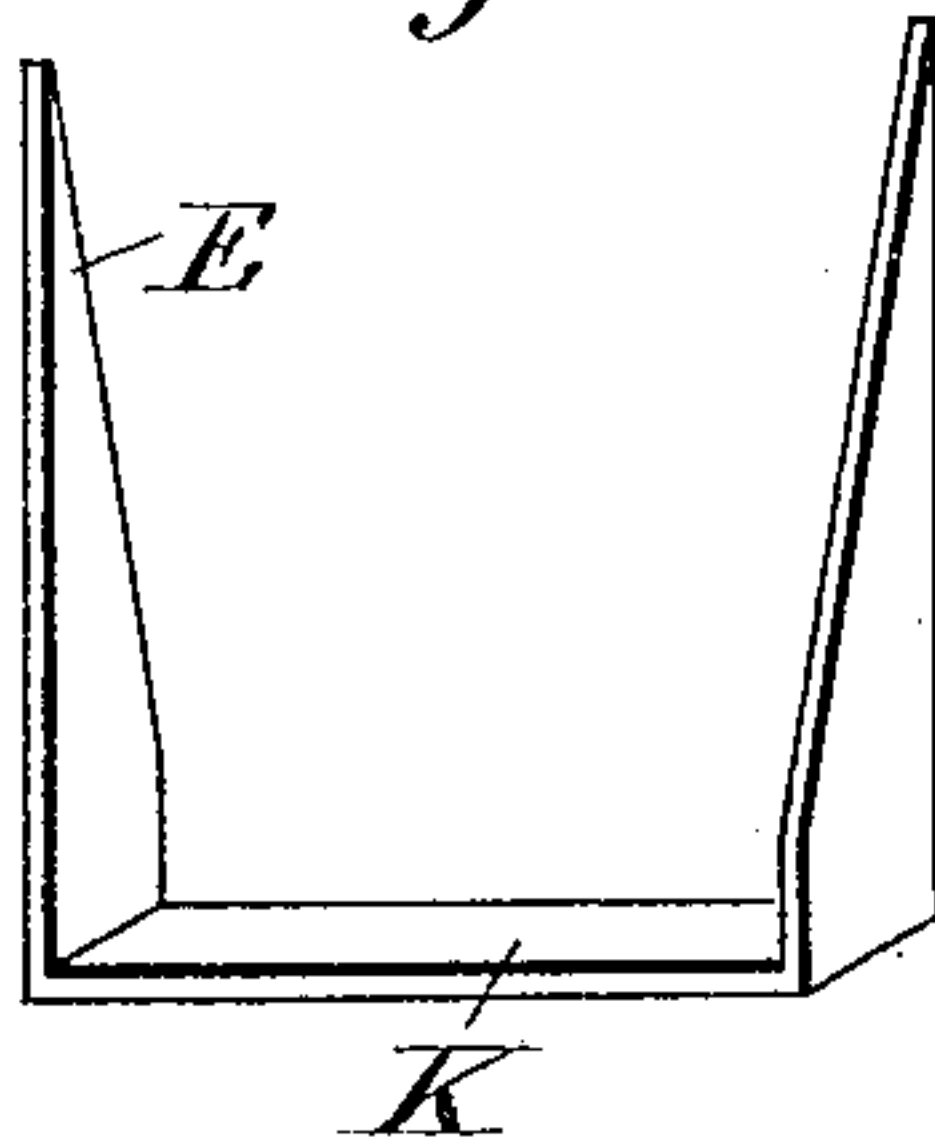
No. 269,882.

Patented Jan. 2, 1883.

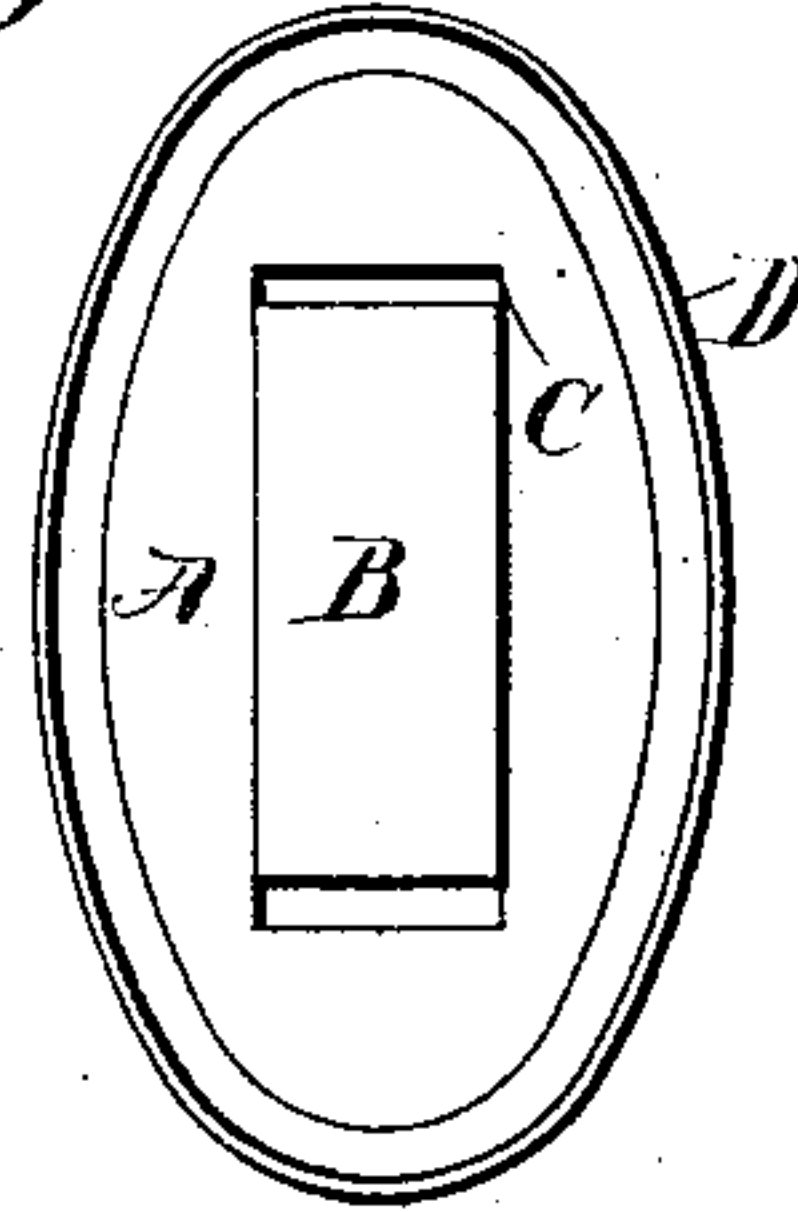
*Fig. 1.*



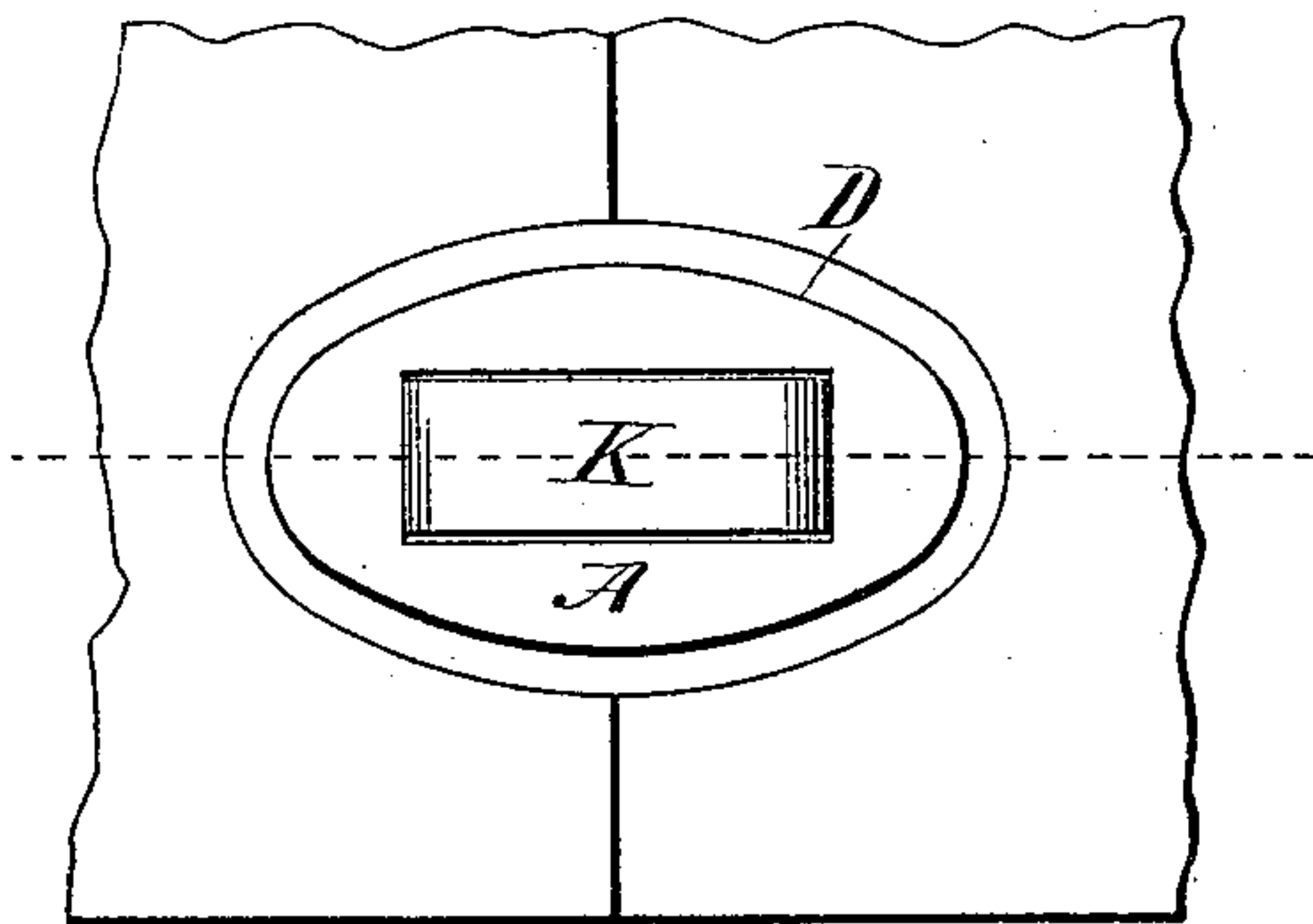
*Fig. 2.*



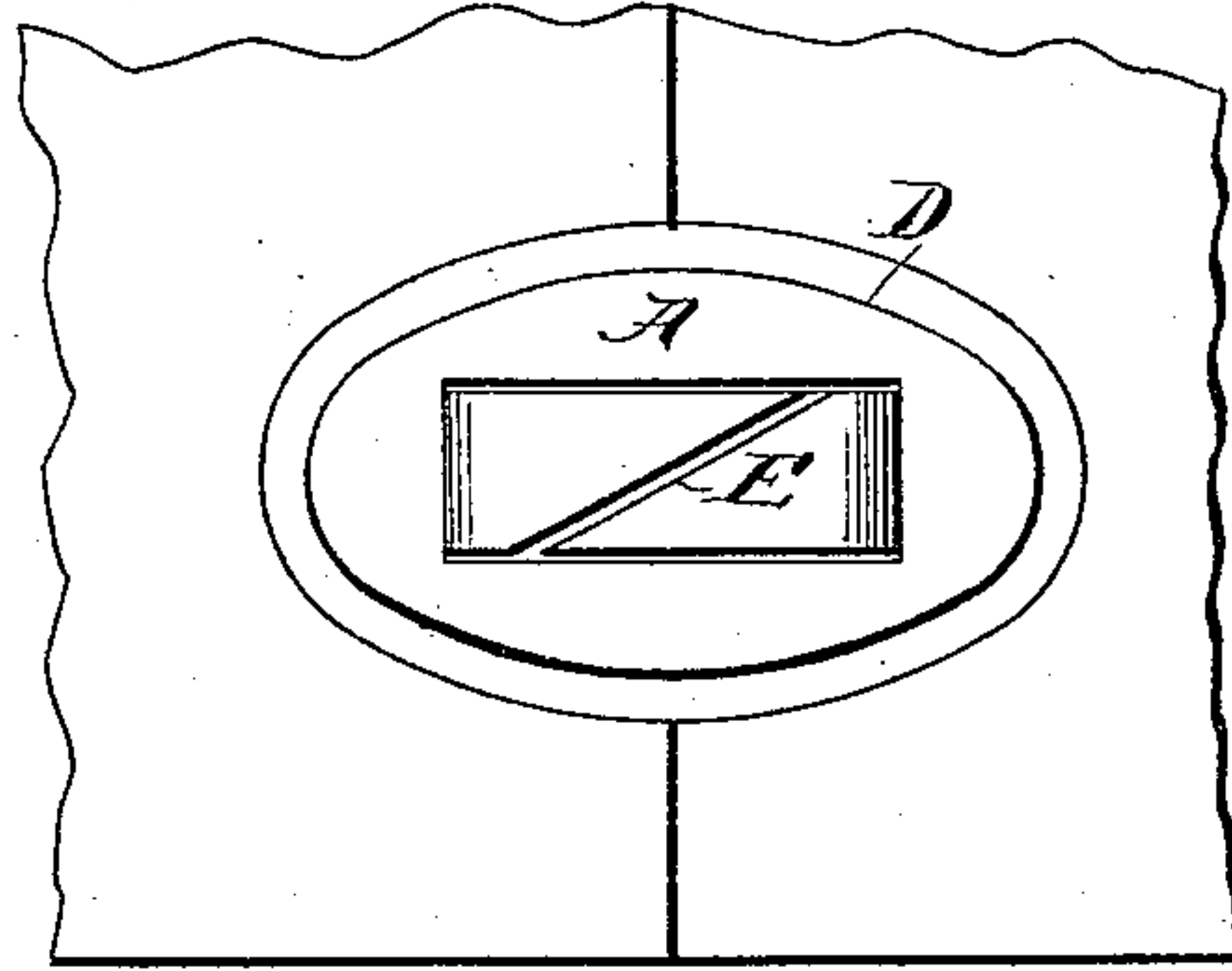
*Fig. 3.*



*Fig. 4.*



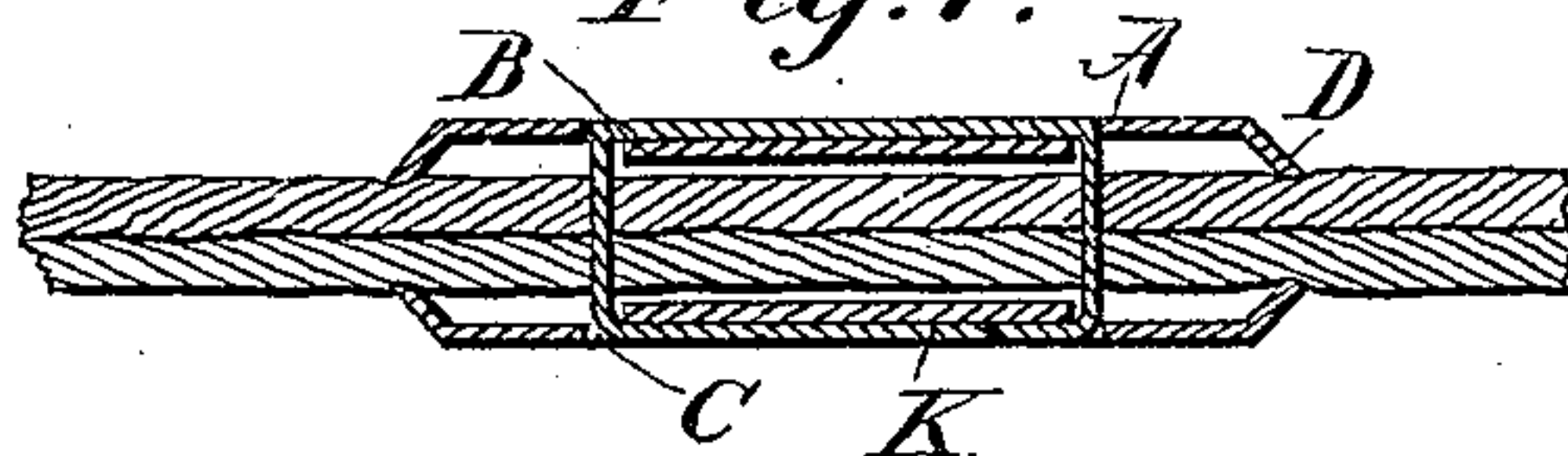
*Fig. 5.*



*Fig. 6.*



*Fig. 7.*



Witnesses.

*Geo. P. Weyant.*  
*Frank H. Grould,*

Inventor

*William H. Reed*

# UNITED STATES PATENT OFFICE.

WILLIAM H. REED, OF CHICAGO, ILLINOIS.

## METALLIC CLAMP.

SPECIFICATION forming part of Letters Patent No. 269,882, dated January 2, 1883.

Application filed June 12, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. REED, of the city of Chicago, county of Cook, in the State of Illinois, have invented a new and useful Improvement in Metallic Clamps or Ties, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

My invention relates to a metallic clamp or tie, and is designed for the purpose of securely clamping or fastening the seams on sails, tents, awnings, and other sewed seams on canvas, duck, and other manufactures of a similar character, and especially designed for fastening the seams, pockets, and other parts of garments made of textile fabrics, leather, and elastics, and upon combinations of textile fabrics and leather, or elastics, where said device can be advantageously used.

Figure 1 in the drawings shows one of the plates with a turned bevel surrounding outer edge; Fig. 2, the staple, with its points cut at right and left acute angles; Fig. 3, the under side of one of the plates A. Fig. 4 shows the outside of the clamp as applied over a seam; Fig. 5, the inside of the clamp as applied to the seam, with the points of the staple turned down. Fig. 6 represents a longitudinal section of one of the plates, and Fig. 7 a similar view of the clamp with the fabric between the plates, showing the grip taken on the fabric by the staple being passed through the same and clinched.

My device consists of two (2) metallic plates, of any desired shape and exactly similar in construction, having a recess or depression on the face or outward side, running longitudinally, and of a depth corresponding to the thickness of the metal in the staple, with a slot or mortise at each end of the recess to receive a metallic staple, the plates having a turned bevel-edge extending all around the plates and in a straight line beyond the projection on the under or reverse side of the plates, produced by making the recess or depression on the face or obverse side of said plates, the extending bevel-edges acting as the jaws of a vise or a clamp and holding the fabric im-

movable between their edges when the staple is clinched or turned down into the recess on the opposite or inside plate, the staple merely drawing the plates toward each other and holding them in proper position, the edges of the plates doing the clamping or holding, as shown.

The manner of using this device is by placing one of the plates A on the article where required and passing the points E of the staple K through the slots C in the plate A, and then through the fabric until the bow of the staple K lies in the recess B flush or level with the surface of plate A, then passing the other or opposite plate A over the points E E of the staple K, with the beveled edge of the plates A toward or against the fabric, drawing the plates A firmly toward each other by means of a suitable instrument, and thus causing the beveled edges D of the plates A to become embedded into the fabric, when the points or ends E of the staple K are clinched or turned over into the recess B on the plate A by an instrument until they lie flush or level with the surface of plate A, when the operation of clamping or tying is completed. The beveled or concave edges of the plates being drawn toward each other, they are or become embedded into the fabric, and thus relieve the strain on the fabric at the staple and prevent the fabric tearing at the points or places where the staple passes through it. By forming a recess, B, in the said plates A, for the purpose of receiving the bow and ends or points E of the staple K, the bow and the ends or points of the staple lie flush or level with the surfaces of the plates A, thus presenting a smooth, even surface on both plates A and a neat finished appearance on both sides of the garment or seam.

By the above device for uniting two concaved or beveled edge plates by a staple substantially as shown, the substance to be secured is held by the entire boundaries of the two approaching plates, which, when thus drawn together by clinching the staple, press the substance or fabric between their nearest edges, and thus hold the same with a spring-pressure.

Having described my invention, what I claim, and desire to have secured by Letters Patent, is—



1. A clamp composed of a pair of slotted metallic plates having surrounding gripping-edges, and provided with depressions on their outer sides, in combination with a staple the  
5 bow and ends of which lie in said depressions, forming a flush outer surface to said clamp, substantially as shown and described.

2. The staple K, having points E cut at right and left or opposite acute angles, in combination with the slotted plates A, having beveled  
10 edges, the points E, when clinched or turned down into the recess or depression B on the opposite plate A, being adapted to lie side by side, substantially as shown and described.

3. In a clamp or tie, the combination of the 15 two slotted plates A, provided with extended bevel-edges D, held together by means of a separate or independent staple, K, the beveled edges D of the plates A acting as a clamp on the substance or fabric by the tension exerted 20 on the edges of the said plates A by clinching or turning down the points E of the staple K, substantially in the manner as described and set forth.

WILLIAM H. REED.

Witnesses:

JNO. P. WEYANT,

FRANK W. GEROULD.