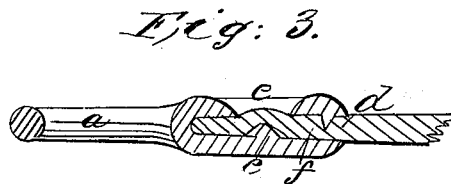
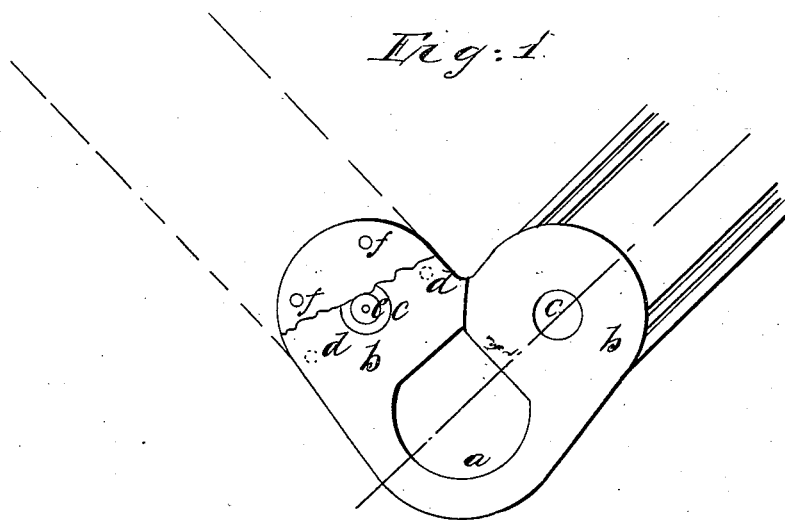


*J. Cogan,*  
*Clasp,*  
*Nº 50,688,*      *Patented Oct 31, 1865.*



*Witnesses:*  
*J. B. Crosby*  
*H. Gould*

*Inventor:*  
*Joseph Cogan*

# UNITED STATES PATENT OFFICE.

JOSEPH COGAN, OF BOSTON, MASSACHUSETTS.

## IMPROVED STRAP RING OR CLAMP.

Specification forming part of Letters Patent No. 50,688, dated October 31, 1865.

*To all whom it may concern:*

Be it known that I, JOSEPH COGAN, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Strap Ring or Clamp; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

The invention relates particularly to the construction of what are known as "halter D's," which are generally made as metallic buckles, having rings applied to them, through which the halter rope or strap is fastened, my improvement consisting in constructing the ring or eye with clamp-plates, the inner surfaces of which are provided with spurs, so that by hammering or compressing the plates upon the end of the strap placed between them the strap is securely and permanently fastened to the ring without the necessity of rivets or buckles. The device, however, is applicable in the manufacture of other articles in which it is desirable to attach a ring to the end of a strap or to fasten straps together.

The drawings represent the clamp embodying the invention, Figure 1 showing a view of the outer surface; Fig. 2, an edge view of the same; Fig. 3, a cross-section taken on the red line of Fig. 1.

*a* denotes a metal ring or eye; *b b*, two extensions therefrom, having the form of bifurcated plates, the outer part of each of which is made with a hole, *c*, extending centrally through it, and small spurs or pointed projections *d* on the inner surface thereof.

The inner part of each plate has a large central spur, *e*, extending toward the hole *c*, and small spurs *e*, as seen in the drawings. When the end of the strap is entered between the clamping-surfaces they are inclined from each other, as seen in Fig. 2, the strap being moistened, if necessary, to press it between and by the spur-teeth. When it has been pressed into place the opposite parts of the clamp are hammered or pressed down upon its surface, the small spurs penetrating the same, and the large spur *e* pressing the leather up into the central hole, *c*, as seen in Fig. 3, the metal being sufficiently rigid to retain the position to which it is brought by the operation. The penetration of the spurs into the opposite surfaces of the strap, the pressure of the leather up into the hole *c*, and the impossibility of spreading or opening the plates by endwise strain upon the strap so confine it in position that it cannot be withdrawn by wear, while by the insertion of an instrument to separate the plates the strap may be easily removed from the clamp when necessary.

I claim—

A halter or strap ring or clamp in which the strap is confined between clamping surfaces or plates, substantially as and for the purpose described.

In witness whereof I have hereunto set my hand, this 15th day of September, A. D. 1865.

JOSEPH COGAN.

Witnesses:

J. B. CROSBY,  
F. GOULD.