

No. 665,920.

Patented Jan. 15, 1901.

F. C. LOESER.  
BOTTLE WIRE CUTTER.

(Application filed Jan. 15, 1900.)

(No Model.)

Fig. 3

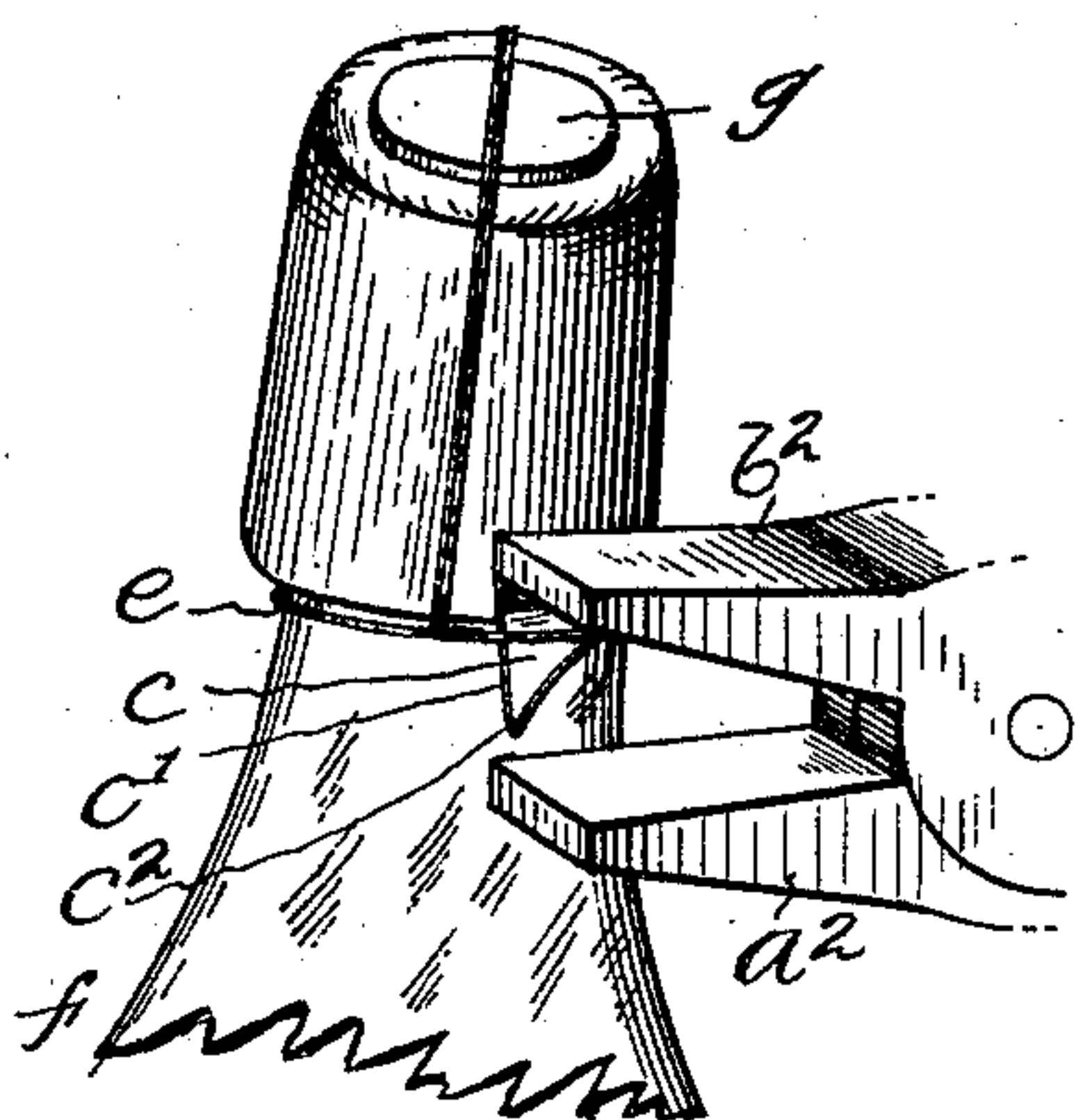


Fig. 2

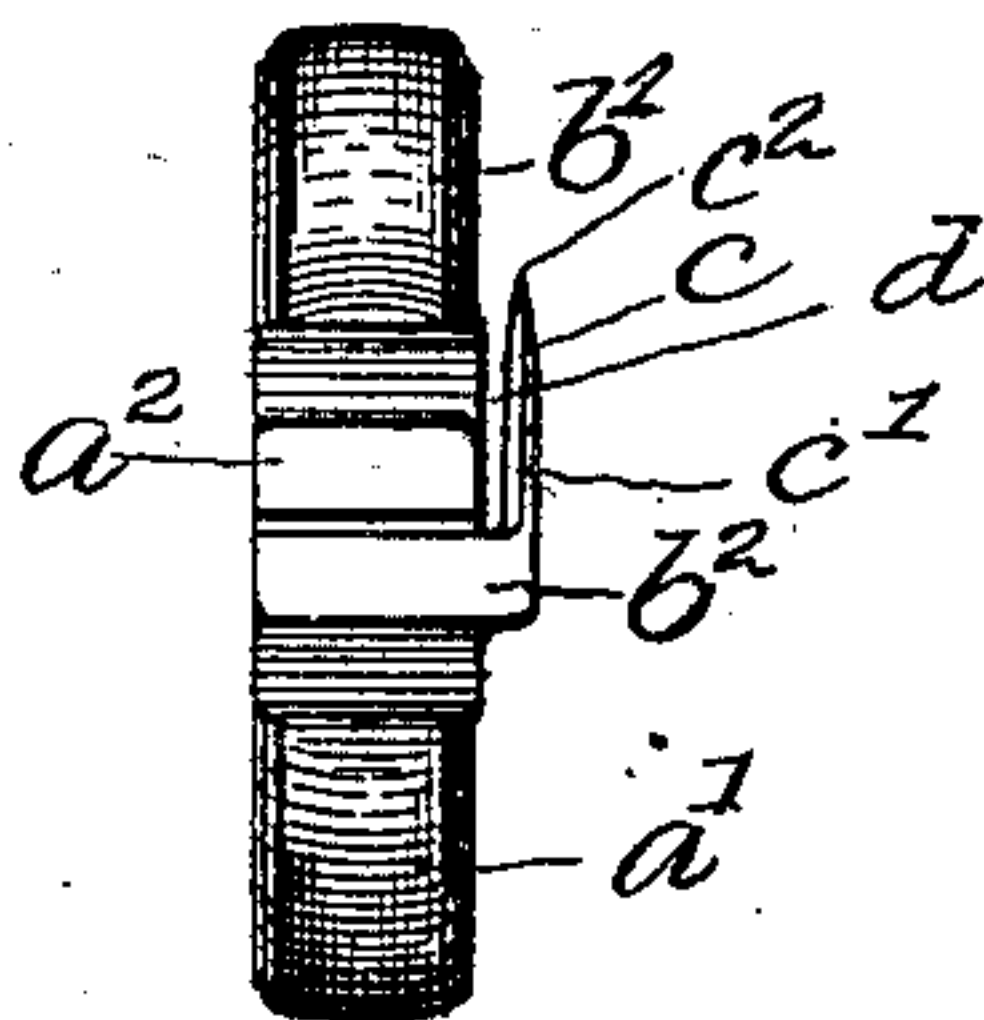
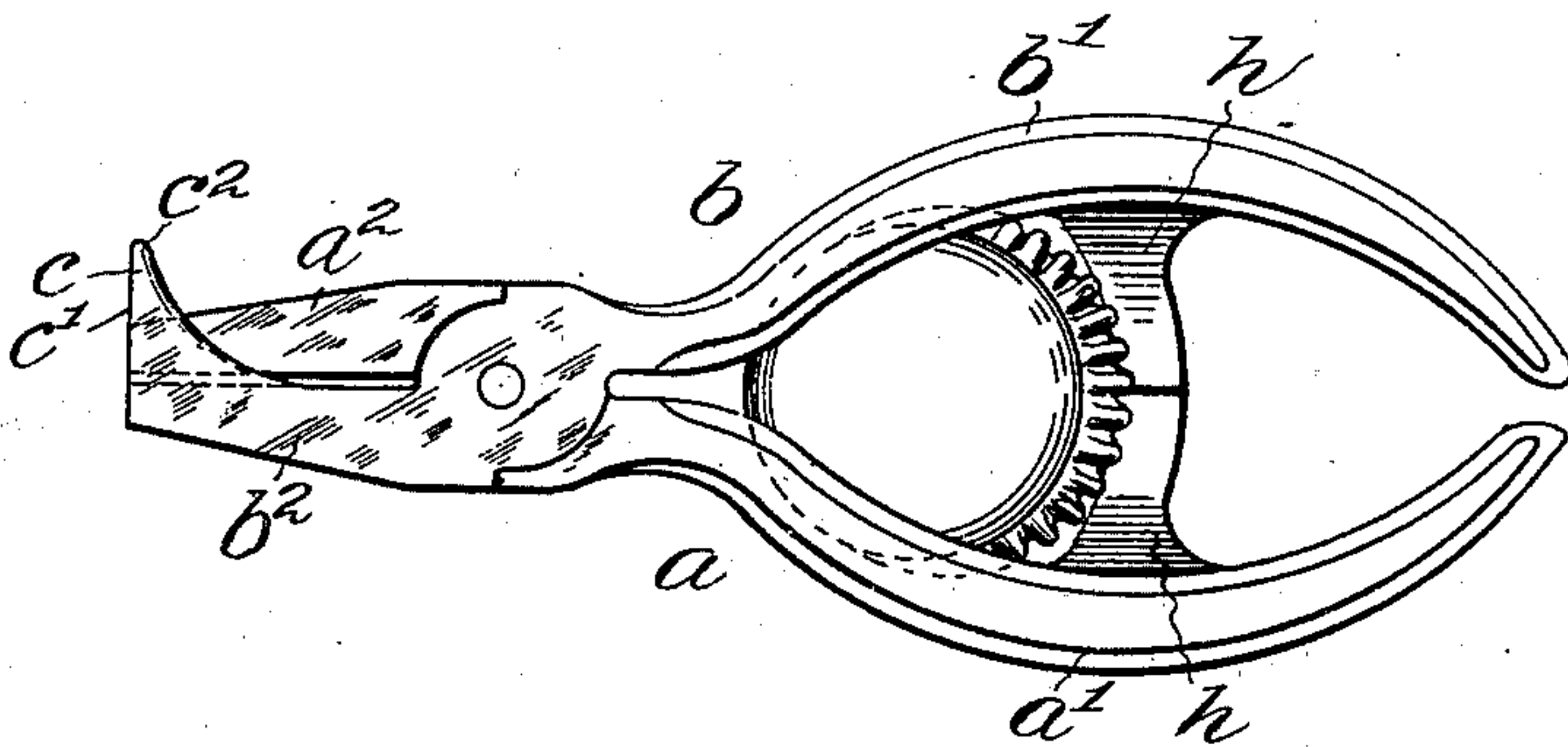


Fig. 1



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# UNITED STATES PATENT OFFICE.

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## BOTTLE-WIRE CUTTER.

SPECIFICATION forming part of Letters Patent No. 665,920, dated January 15, 1901.

Application filed January 15, 1900. Serial No. 1,464. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK C. LOESER, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented a new and useful Bottle-Wire Cutter, of which the following is a specification.

My invention relates to the class of devices used for the purpose of opening a bottle by breaking or otherwise forcibly removing the fastening means that holds the stopper in place; and the object of my invention is to provide a tool of this class that shall be compact and strong and that may be readily manipulated in a manner to remove the fastenings with comparative ease. I attain this object by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the device. Fig. 2 is an end view of the same. Fig. 3 is a perspective view showing the manner of using the device for cutting a wire on the neck of a bottle.

In the accompanying drawings the device is shown as applied to an ordinary pair of pliers, the letter *a* denoting one lever and *b* the other lever, pivoted to the first, so as to provide handles *a'* *b'*, by means of which the jaws *a<sup>2</sup>* *b<sup>2</sup>* may be opened and closed in the usual manner. On one side of a jaw, as *b<sup>2</sup>*, a prong *c* is located in a position to extend toward the opposite jaw and alongside of it when the jaws are closed, as shown in Fig. 2 of the drawings, this prong being preferably straight on the front edge *c'* and sloping backward from the point *c<sup>2</sup>*, forming a cutting edge. This prong may be formed integral with the jaw or may be removably secured thereto in any convenient manner, leaving, however, between the inner side of the prong and the edge of the opposing jaw a space *d* to provide for the reception of the neck-wire of the bottle, which it is the function of the prong to sever.

When the tool is to be used for cutting a wire, such as *e*, on the neck of a bottle *f*, the point of the prong is thrust under the wire, as illustrated in Fig. 3 of the drawings, and the jaws of the pliers closed to an extent sufficient to prevent the wire from slipping

off the point of the prong, and then by a cutting and twisting movement of the tool the wire is easily severed, so as to release its hold upon the stopper *g* and allow the latter to be removed in the usual manner.

In addition to the wire-cutting prong with which the tool is provided it is also provided with means for removing a stopper which is made of metal and clamped down upon the top of the bottle, as by crimping. This latter device comprises the arms *h*, which extend inwardly from the opposite handle-levers *a'* *b'*, so as to form a practically continuous inner surface, with the edge so formed that when the tool is applied to the top of a bottle, as illustrated in Fig. 1 of the drawings, this edge underlies the edge of the crimped flange of the stopper, and by the usual lifting movement the stopper is pried or torn from the top of the bottle.

The features of improvement have been shown as applied to an ordinary form of pliers; but it is understood that they may be embodied in pliers cast or formed of sheet metal or in any other convenient way to produce the device having the several features adapted to operate as shown and described.

While in the preferred form of the device as shown and described herein a space is provided between the inner side of the prong and the edge of the opposing jaw, such space is not absolutely essential to the perfect operation of the device, and I do not wish to be understood as limiting my invention to a device containing such a feature.

What I do claim as my invention, and desire to secure by Letters Patent, is—

In combination with lever-handles pivotally connected and having opposing jaws, a prong located on one of said jaws and adapted to extend beyond the plane of the face and lie opposite the edge of the grasping-surface of the opposing jaw in position to provide a space between the prong and the side of the opposing jaw.

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Witnesses:

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