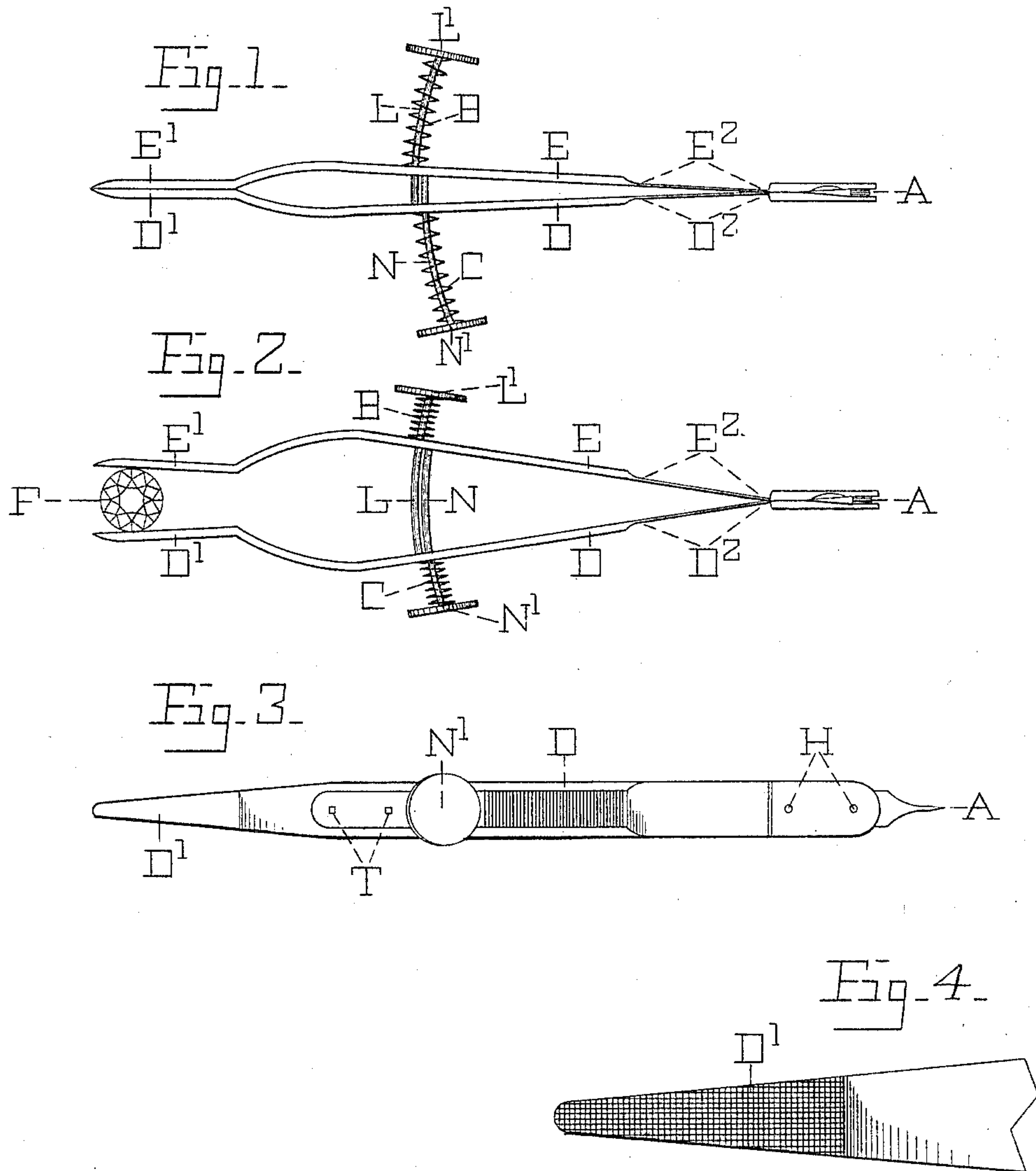


(No Model.)

E. CLARKSON.
GEM PINCERS.

No. 581,810.

Patented May 4, 1897.



WITNESSES:

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ERNEST CLARKSON, OF NEWBURYPORT, MASSACHUSETTS.

GEM-PINCERS.

SPECIFICATION forming part of Letters Patent No. 581,810, dated May 4, 1897.

Application filed May 28, 1896. Serial No. 593,404. (No model.)

To all whom it may concern:

Be it known that I, ERNEST CLARKSON, of Newburyport, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Gem-Pincers, of which the following, taken in connection with the accompanying drawings, is a specification.

Figure 1 is a side view of my improved gem-pincers. Fig. 2 is a similar view showing the diamond F in position. Fig. 3 is a top view of Fig. 1 with the pointed blade A opened out. Fig. 4 is an enlarged view of the jaw of the pincers, showing the roughened face for holding the stone.

Similar letters refer to similar parts throughout the several views.

The object of my invention is to provide a suitable instrument for holding and displaying unset precious stones without the possibility of the stone being dropped accidentally and lost.

Heretofore ordinary pincers have been used for displaying stones, and the pincers have been held in position by compression of the thumb and fingers, necessitating great care, especially on the part of the holder, when handing the pincers to another person for the purpose of examining the stone, and several cases are well known where valuable stones have been dropped and lost. This has given rise to a demand for a more secure gem-pincers, and complicated devices have been introduced which necessitated the use of a thumb-screw in order to obtain a proper adjustment to hold the stone.

In my device the arms of the pincers are constructed in the ordinary manner and have opening posts or rods surmounted by disks and provided with compressible coiled springs acting on the opposite arms to which the posts are attached, and when the disks are compressed toward each other by the thumb and fingers of the operator's hand the jaws of the pincers are opened, and when the pressure is removed by the action of the springs B and C whatever object is placed between the jaws is firmly held.

The essential feature of my invention is the fact that gems of any size can be securely held without any special adjustment of my pincers.

I further remark that by the use of the

pointed blade A the pincers can be inserted into a board or block, so that proper views of the gem may be obtained and different lights thrown upon it.

My pincers are constructed in the following manner: The arms D and E may be of any approved form, but I prefer to make the jaws D' and E' substantially parallel. I also prefer to make the arms of tempered steel, and I obtain flexibility by decreasing the thickness of the metal at the portions D² and E² near where they are joined by the rivets H. The opening-post L is rigidly attached to the arm D and passes through a suitable opening or hole in the arm E. The post N is rigidly attached to the arm E and passes through a suitable opening or hole in the arm D. These posts are surmounted by the disks L' and N', and surrounding the posts between the disks and the arms of the pincers are located suitable compressible coiled springs.

In Fig. 2 the diamond is shown as held by the compressible coiled springs B and C.

The pointed blade A, which is shown opened out in Fig. 3 and closed in Figs. 1 and 2, I prefer to operate like a knife-blade.

Fig. 4 illustrates the method I prefer for roughening the jaws of my gem-pincers and shows the milling running at right angles.

Having thus described my invention, what I claim as new, and desire to protect by Letters Patent, is—

1. In gem-pincers, the combination of the two arms D and E, the opening-posts L and N, oppositely attached to the said arms, the coiled springs B and C for operating the pincers, substantially in the manner described.

2. In gem-pincers, the combination with the arms D and E, the rods or posts L and N, each attached to a different arm, and passing through the opposite arm to which it is attached, the disks L' and N', the compressible coiled springs B and C for operating the pincers, substantially in the manner described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 25th day of May, A. D. 1896.

ERNEST CLARKSON.

Witnesses:

WALTER P. SYMMES,
SAMUEL CLINE.