No. 646,939. Patented Apr. 10, 1900.

E. L. ANRICH.

TOOL FOR HOLDING PRECIOUS STONES.

(No Model.) (Application filed Feb. 1, 1900.)

Fig. 1.

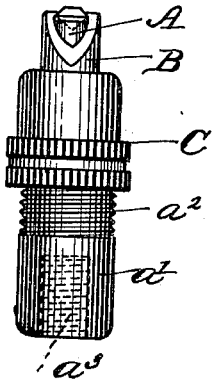


Fig. 3.

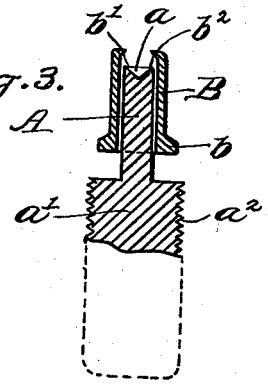


Fig. 2.

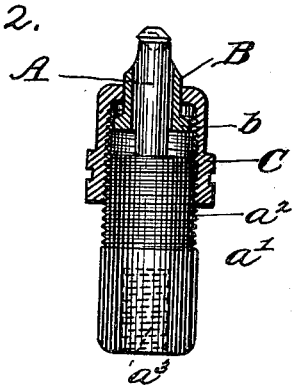
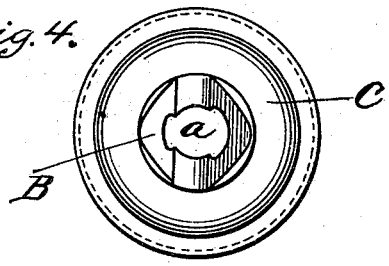


Fig. 4.



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TOOL FOR HOLDING PRECIOUS STONES.

SPECIFICATION forming part of Letters Patent No. 646,939, dated April 10, 1900.

Application filed February 1, 1900. Serial No. 3,567. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL LOUIS ANRICH, residing at 233 West Forty-ninth street, in the borough of Manhattan, city, county, and State of New York, have invented a new and useful Improvement in Tools for Holding Precious Stones, of which the following is a full, clear, and exact specification.

My improvement relates to tools for holding precious stones, such as diamonds, while being treated—for example, when diamonds are being ground or polished.

The improvement consists in the combination of a post provided with a cavity or recess at its end, a sleeve surrounding the post and provided with projections extending toward each other beyond said cavity, and means for moving the two parts into proper relation for holding the stone and for securing them when adjusted.

In the accompanying drawings, Figure 1 is a side view of a tool embodying my improvement. Fig. 2 is a view of the same, partly in section and viewed at right angles to Fig. 1. Fig. 3 is a sectional view of the post and sleeve of the tool from the same point of view as Fig. 1. Fig. 4 is a top view on an enlarged scale.

Similar letters of reference designate corresponding parts in all the figures.

A designates a post having a cavity or recess a at its extremity. Preferably the post will be of cylindrical form. It is shown as having an enlarged portion a', provided externally with a screw-thread a^2 and internally with a screw a^3. The latter may serve for attachment to a copper wire or any suitable means of support.

B designates a sleeve constructed to loosely fit the post A and having projections b' b^2 extending over the cavity a of the post. As here shown, this sleeve is cylindrical and has opposite portions at the outer extremity cut away so as to leave the two projections b' b^2. These are extended toward each other sufficiently to overlap the edges of a stone seated in the cavity a of the post. At the inner end the sleeve has an outwardly-projecting flange b.

C designates a nut capable of engaging the external screw-thread a^2. It has its outer extremity turned inward to overlap the flange b of the sleeve B.

To fit a stone in this tool, the nut C and sleeve B are removed, and the stone is seated in the cavity a of the post A. Then the sleeve is applied. Afterward the nut is slipped over the sleeve and engaged with its screw-thread a^2 and rotated until it shall have drawn the sleeve down sufficiently to enable its projections, in conjunction with the cavity in the end of the post A, to properly hold the stone. Portions of the stone will be exposed for treatment, and by suitably rotating the nut C the grasp of the sleeve may be relaxed, so as to permit of the rotation of the stone to expose other portions, whereupon the sleeve may be again adjusted and fastened in position. Of course the details of the parts may be varied without departing from the spirit of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

In a tool for holding stones, the combination of a post having a cavity or recess in its upper end and screw-threaded exteriorly at its lower end, a sleeve surrounding the upper end of the post and having projections beyond the end of the post, a flange on said sleeve and a nut to engage the screw-threaded portion of said post and having an inwardly-turned portion to engage the flange of the sleeve.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMANUEL L. ANRICH.

Witnesses:
GEO. E. CRUSE,
R. H. E. STALL.