

(No Model.)

C. W. DELANEY.
WATCHMAKER'S TWEEZERS.

No. 482,232.

Patented Sept. 6, 1892.

Fig. 1.

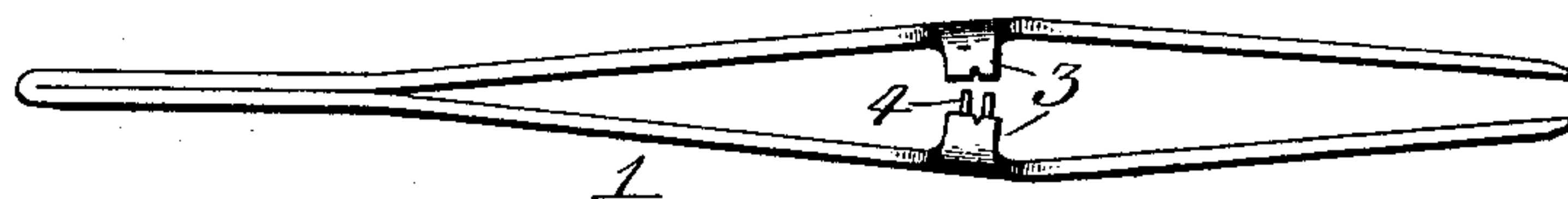


Fig. 2.

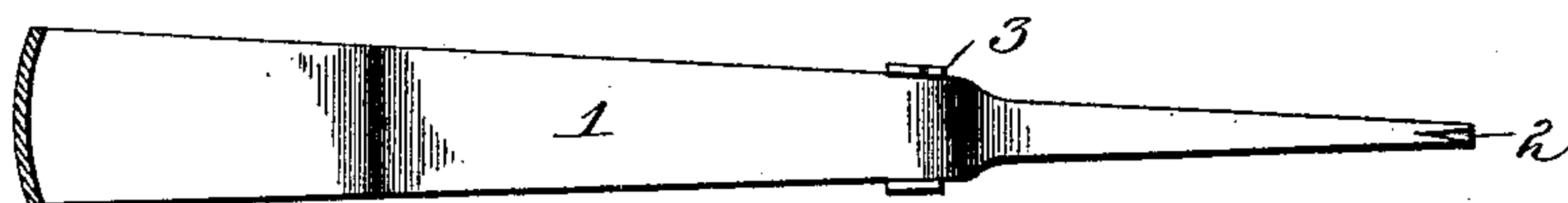
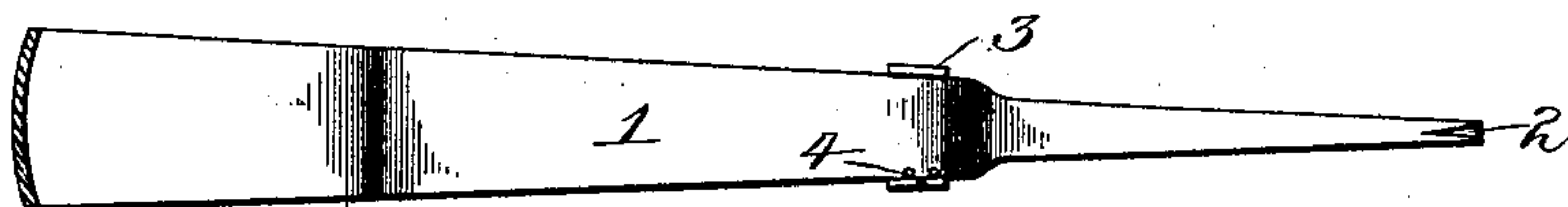


Fig. 3.



WITNESSES:
F. L. Ourand
J. L. Loombs

INVENTOR:
Chas W. Delaney,
J. Lewis Ogden & Co.
Attorneys

UNITED STATES PATENT OFFICE.

CHARLES WILLSON DELANEY, OF HAMMOND, INDIANA.

WATCHMAKER'S TWEEZERS.

SPECIFICATION forming part of Letters Patent No. 482,232, dated September 6, 1892.

Application filed December 15, 1891. Serial No. 415,171. (No model.)

To all whom it may concern:

Be it known that I, CHARLES WILLSON DELANEY, a citizen of the United States, and a resident of Hammond, in the county of Lake and State of Indiana, have invented certain new and useful Improvements in Watchmakers' Tools; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improved combination-tool for the use of jewelers and watchmakers which possesses superior advantages with respect to efficiency and utility.

The object of the invention is to provide a tool or implement of the above character which can be employed for a variety of uses in connection with watch making and repairing and which can be furnished at a comparatively small cost.

The invention consists in the novel construction hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of a tool or implement constructed in accordance with my invention. Fig. 2 is an inner face view of one of the legs of the same. Fig. 3 is a similar view of the opposite leg.

In the said drawings the reference-numeral 1 denotes the legs of the tool, which are preferably formed of a single piece of steel or other spring metal bent over upon itself at the center, forming a pair of tweezers, the ends of said legs being tapered to a point and provided with a groove 2, which enables a pin—such as is used for pinning watch-dials fast—to be securely held and prevented from flying out, which is frequently the case in the ordi-

nary forms of such tools. A jewel can also be readily picked up and examined without liability of falling out. Intermediate of their ends the legs are formed with inwardly-projecting lugs or lips 3, having a notch or groove on their inner edges by which a seconds-hand of a watch can be gripped and removed. One of these lips or lugs upon one leg is also provided with two inwardly-extending pins 4 on its under side, adapted to project under the opposite lip when the legs are brought together and which serve as a table upon which to lay the seconds-hand of a watch preparatory to gripping the same for the purpose of enlarging the tube or pipe thereof.

The advantages of my invention will be apparent to those skilled in the art to which it appertains.

Having thus described my invention, what I claim is—

1. A watchmaker's or jeweler's tool comprising the gripping-legs, the inwardly-projecting lips having a notch or groove in their inner edges, and the pins located underneath one of the lips and adapted to project under the opposite lip, substantially as described.

2. A watchmaker's or jeweler's tool comprising the gripping-legs having the grooves upon their inner faces, the inwardly-projecting lips with a notch or groove on their inner edges, and the pins located underneath one of said lips and adapted to project under the opposite lip, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

CHARLES WILLSON DELANEY.

Witnesses:

D. H. FENTON,

W. P. HARRIS.