No. 880,659. PATENTED MAR. 3, 1908.

N. O. HAMMERGREN.

COMBINED NEEDLE AND TWEEZERS.

APPLICATION FILED JUNE 10, 1907.

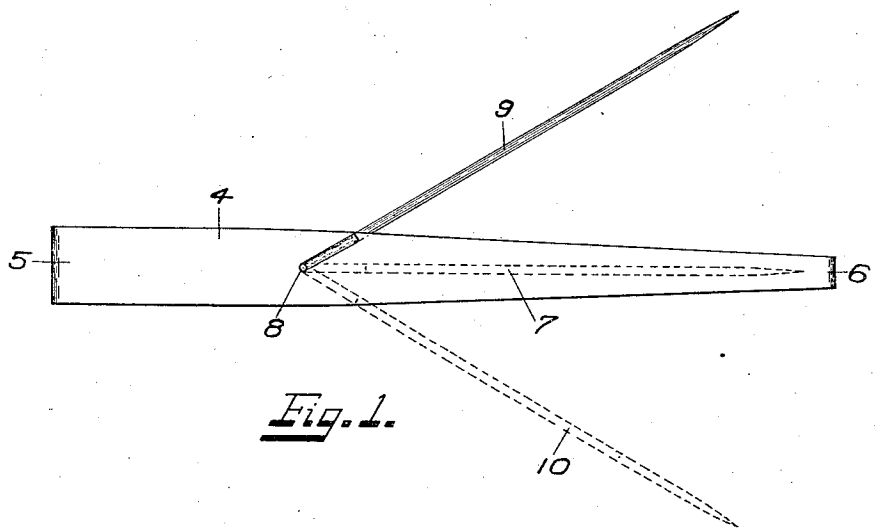


Fig. 1.

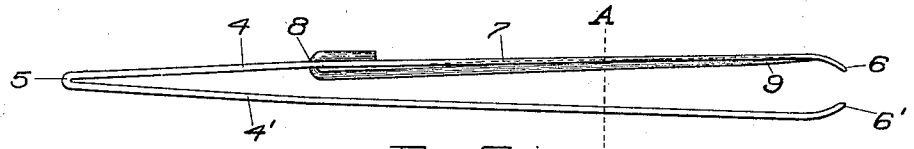


Fig. 2.

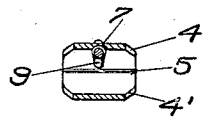


Fig. 3.

Witnesses.

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COMBINED NEEDLE AND TWEEZERS.

No. 880,659. Specification of Letters Patent. Patented March 3, 1908.

Application filed June 10, 1907. Serial No. 378,319.

To all whom it may concern:

Be it known that I, NELS O. HAMMERGREN, a citizen of the Kingdom of Sweden, residing at Portland, in the county of Multnomah and State of Oregon, have invented a certain new and useful Improvement in a Combined Needle and Tweezers, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in combined needles and tweezers.

The object of said invention is to provide a tweezer having a needle therein, which may be safely and surely folded within the tweezers when not in use, or extended from them when required for use. These objects and other practical advantages, I attain by the construction, combination and arrangement of parts shown in the accompanying drawings, which form a part of these specifications, and in which,—

Figure 1 is a plan view of the tweezer arm in which the needle is mounted. Fig. 2 is a side elevation of the complete device. Fig. 3 is a sectional front view of the device on the line A—A of Fig. 2.

Like numerals refer to like parts throughout the views.

The tweezers are formed after the usual pattern, with arms 4—4′ fixedly secured to each other at one end 5 and in such a manner as to outwardly retain the opposite free ends by reason of the radius of the angle of jointure at 5, or by a spring or other device as may be desired. The arms have gripping jaws 6—6′ at their free ends. The arm 6 of the tweezers is formed with a groove 7 longitudinally thereof upon its inner surface, and which groove is of a size and form adapting it to receive the needle 9 therein. In a suitable place through the arm 6 is an opening 8 of a diameter adapting it to receive the needle 9. A needle 9 of desirable form and dimensions is provided, its rear end passing through the opening 8 and being bent on the outer side of the arm 6 so as to form a hook, which pivotally mounts as well as retains the needle in said opening 8 and in the groove 7 when placed therein.

In Figs. 2 and 3 the needle is shown folded within the tweezers and reposing in the groove 7. In Fig. 1 the needle 9 is shown outwardly extended to one side of the tweezers and one of its possible positions on the opposite side of the tweezers is shown by the dotted lines 10.

It will now be apparent that when the needle is folded within the tweezers and held within the groove 7 the device may safely be carried in the pocket without danger from the point of the needle. At the same time, when it is desired to use the needle, as for the purpose of lifting a sliver or foreign substance from beneath the skin, the needle can be quickly swung outward and conveniently used for such purpose. Then as soon as the object to be removed is lifted sufficiently to be gripped by the tweezer jaws, the needle can be folded within and the tweezers used in the ordinary manner to draw out such object.

I am of course aware that neither needles or tweezers are new but I do contend that the combination of a needle and tweezer as I have made it is an inventive device which is both novel and useful.

Having thus clearly described my invention, I claim,—

A tweezer, comprising two arms fixedly secured at one end and having means to outwardly retain their free ends which are provided with gripping jaws, one of said arms being formed with a groove longitudinally on the inner surface thereof, and a needle of suitable form and size pivotally mounted in the arm of the tweezer having the groove, and so arranged in its mounting that it can be swung laterally to the tweezers and also placed within said groove and retained in such position, substantially as described.

In testimony whereof I sign my name for the drawing and this specification.

NELS O. HAMMERGREN.

Witnesses:
C. C. ROSE,
T. W. PRASP.