

C. L. WOOLLEY.  
NEEDLE THREADER.

APPLICATION FILED APR. 9, 1909. RENEWED APR. 27, 1910.

959,676.

Patented May 31, 1910.

Fig. 1.

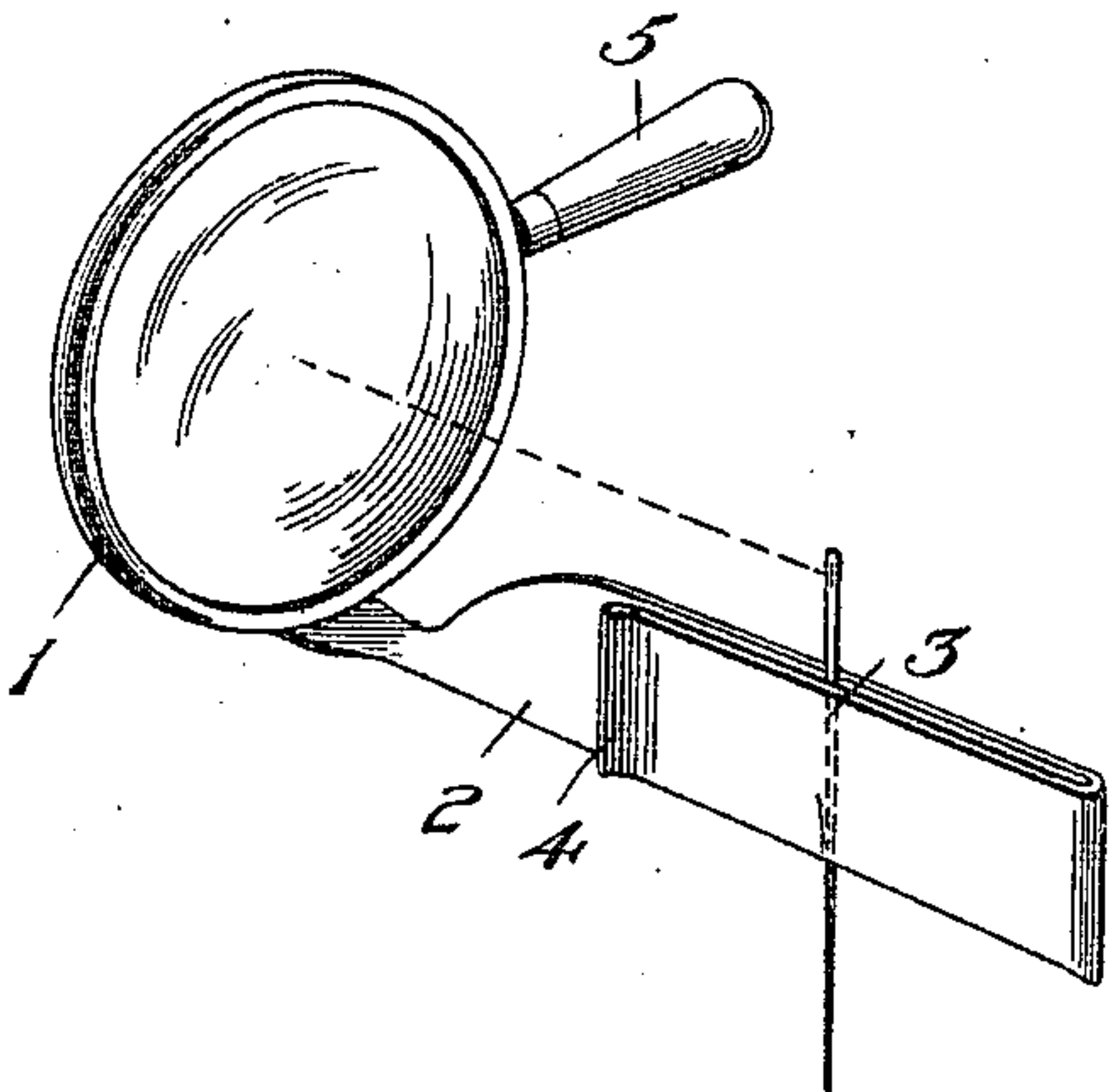


Fig. 2.

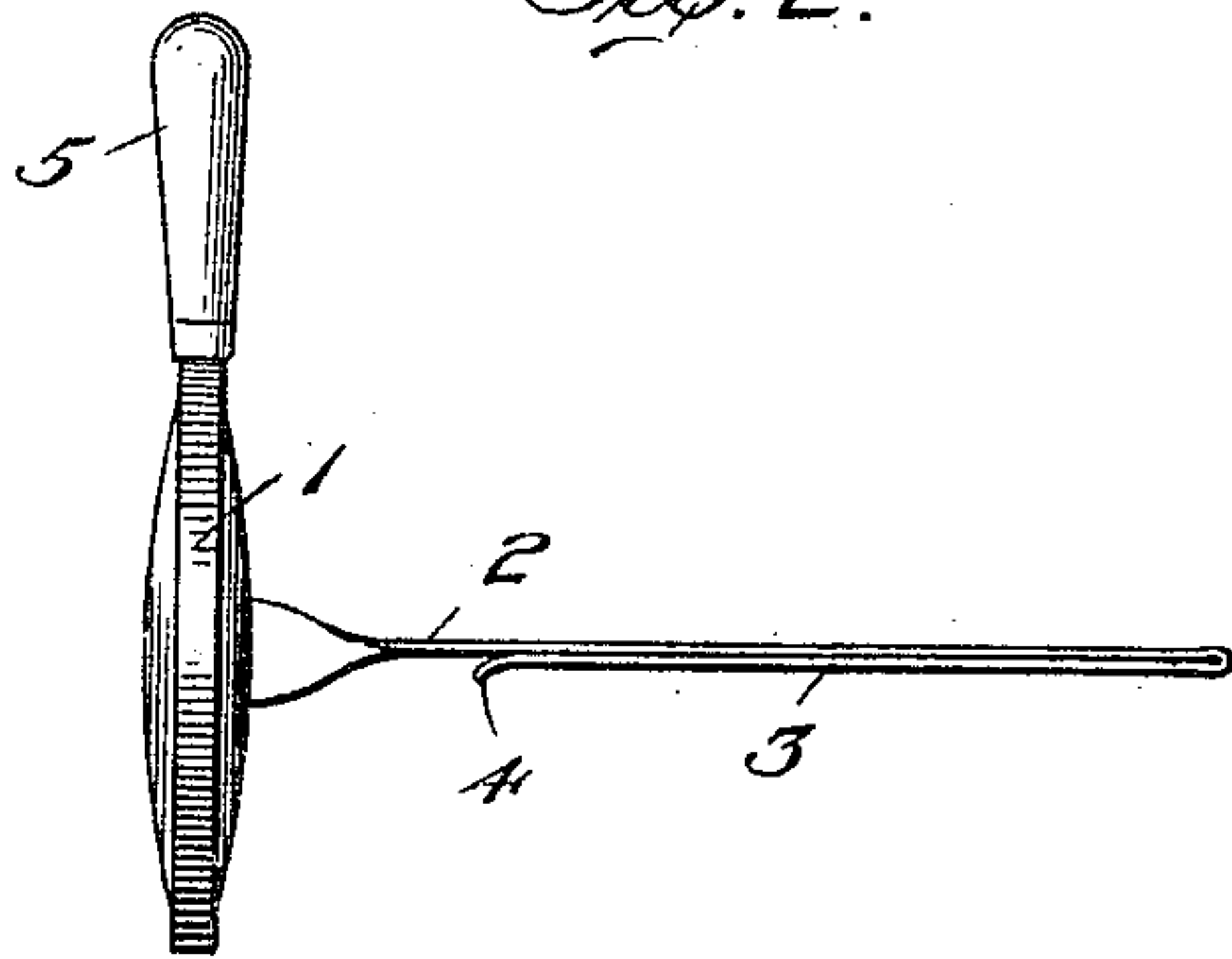


Fig. 3.

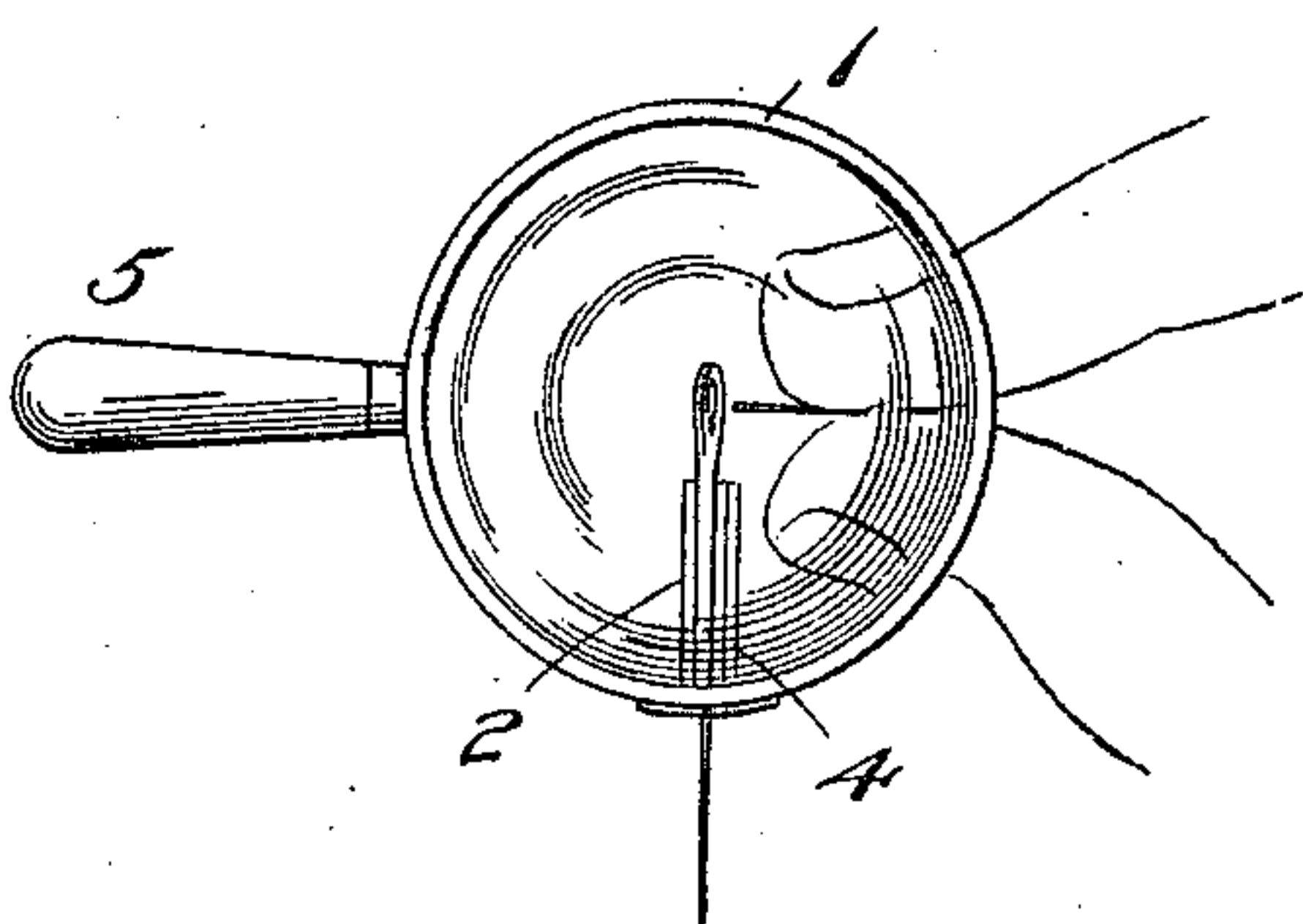
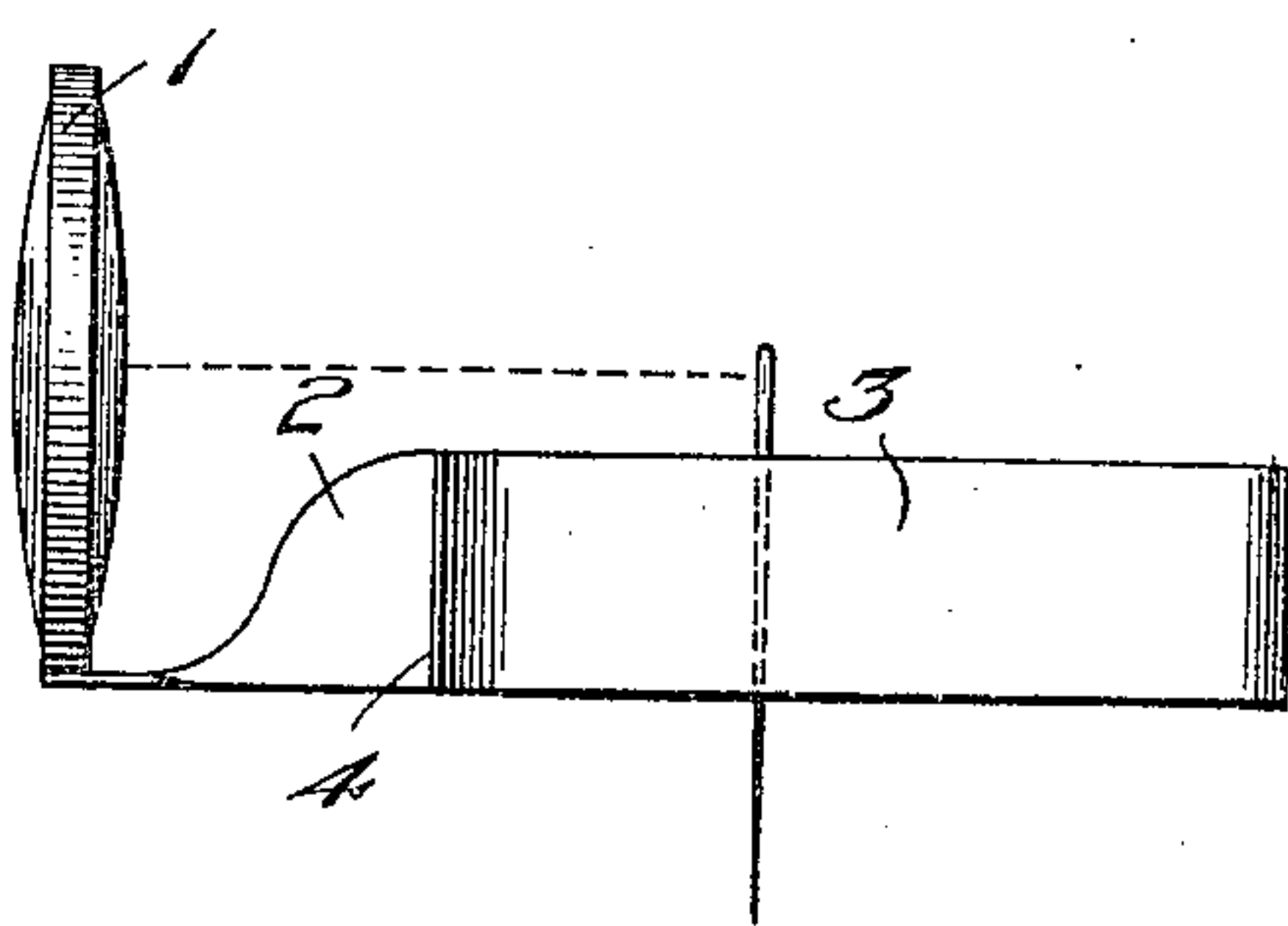


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

CLAUDE LUCIUS WOOLLEY, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF TO  
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## NEEDLE-THREADER.

959,676.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed April 9, 1909, Serial No. 488,839. Renewed April 27, 1910. Serial No. 558,001.

*To all whom it may concern:*

Be it known that I, CLAUDE LUCIUS WOOLLEY, a citizen of the United States, residing at city of Baltimore and State of Maryland, have invented certain new and useful Improvements in Needle-Threaders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

For threading needles I have produced an improved device in which a lens is used to magnify the eye of the needle while threading it and my improvement resides in providing the lens with a spring clamp adapted to receive the needle and allow of its adjustment to suit the focus of the lens, to raise or lower the needle and to present its eye obliquely sidewise, without removing the needle from the grasp of the spring, and in the claims appended hereto I will point out wherein my improvement resides in connection with the accompanying drawings, in which,—

Figure 1 represents my improved needle threader in perspective. Fig. 2 is a top view of the same. Fig. 3 shows the lens in front view the magnified eye of the needle back of it and turned to one side in position to receive the end of the thread. Fig. 4 is a side view.

The holder for the lens is a metal band 1 like that of an eye glass having an integral plate 2 extending from the lower edge of the band and at right angles thereto and having a return branch or arm 3 adapted to have a resilient clamping function against the side of the plate and terminating in a flaring lip 4 crosswise of the plate.

Preferably the plate extends edgewise vertically from the lens so that the flaring lip gives a free and easy entrance to the needle between the plate and its branch or arm, the spring function of which holds the needle in whatever position it is set, allows

it to be slid under a clamping pressure toward or from the lens to obtain the focus suited to the eye of the user, to be turned to bring the eye of the needle more to the side of the arm to facilitate the direction to and the entrance of the end of the thread into the eye of the needle.

The needle being placed against the side of the plate is forced in vertical position between the plate and the resilient arm to the point between them which gives the proper focus, the entrance of the needle causing a slight opening of the arm and the clamping of the needle.

The lens-band is provided with a handle 5 by which to hold the threader while threading the needle which is held by the clamping spring plate of the arm, or carried by the needlebar of a sewing machine close to the feed-plate. This arrangement of the resilient needle clamping arm serves to hold and present the eyes of the smallest needles to the focusing center.

I claim:

1. In a needle-threader, the combination of a magnifying glass having the usual rim and handle, and a metallic resilient clamp integral with the said rim, substantially as specified.

2. In a needle-threader, the combination of a magnifying glass having the usual rim and handle, a metallic resilient clamp integral with the said rim, the said clamp being at right angles with respect to the magnifying glass, and being adapted to support a needle in juxtaposition to the focusing center of said glass, substantially as shown and for the purpose specified.

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

CLAUDE LUCIUS WOOLLEY.

Witnesses:

WALTER HARTMAN BILLINGSLEA,  
GUSTAV FREDERICK YOKEL.