

S. L. MERCER.

Improvement in Needle Threaders.

No. 123,277.

Patented Jan. 30, 1872.

Fig. 1.

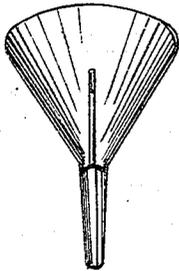


Fig. 2.

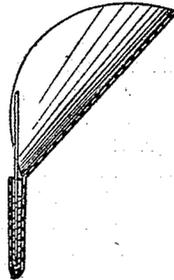


Fig. 3.

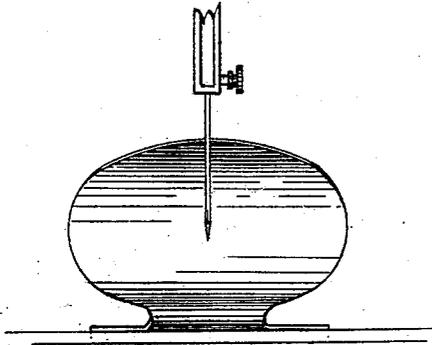


Fig. 4.

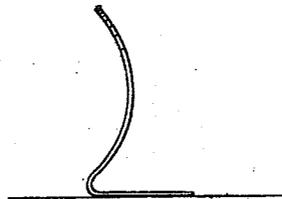
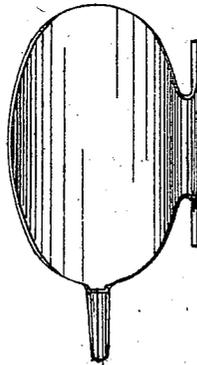


Fig. 5.



WITNESSES:

Parley H. Sweet, Jr.
Wm. J. Peyton

INVENTOR.

Sophia L. Mercer,
by *Johnson, Klauke & Co.*
her Attorneys

UNITED STATES PATENT OFFICE.

SOPHIA L. MERCER, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN NEEDLE-THREADERS.

Specification forming part of Letters Patent No. 123,277, dated January 30, 1872.

To all whom it may concern:

Be it known that I, SOPHIA L. MERCER, of the city and county of Washington, in the District of Columbia, have invented a new and useful Reflecting Device for Threading Needles, of which the following is a specification:

My invention consists of a reflecting-shield, made preferably concave, before which the needle is held to be threaded, so that the light concentrated upon this shield shines brightly and clearly through the eye of the needle, while the body of the same appears very dark and distinct against the polished surface behind it.

In the accompanying drawing, Figures 1 and 2 represent a front and a side elevation, respectively, of the reflecting-shield. Figs. 3 and 4 represent, respectively, a front and a side elevation of the same as supported upon the cloth-plate or table of a sewing-machine. Fig. 5 represents my device as adapted for use either by hand or upon a table.

The reflecting-shield A, being preferably concave, is made of any metal suitable for the purpose and having a bright reflecting surface, or of glass. It is provided with a handle, B, which may be of any suitable material and of ornamental design. This handle is provided at its junction with the shield with an emery-pocket or other padding to receive the

point of the needle. The reflecting-shield forms an angle with its handle, in order that the needle, being stuck in the pocket of said handle, may be in the proper position to bring its eye out prominently against the illumined back-ground.

When the reflecting-shield is to be used upon the table of a sewing-machine it may be provided with a foot, C, to support it in proper position thereon behind the needle, so that the eye of the needle be before it; or, indeed, it may rest upon and be attached to the presser-foot.

The shield may be also used for both hand and machine by providing it, as shown in Fig. 5, with both a handle, B, and a foot, C.

Having described my invention, I claim—

A reflecting-shield for threading needles, essentially as herein described.

In testimony whereof I have hereunto set my hand to the above specification of my improvement, being a reflecting device for threading needles, in the presence of two subscribing witnesses, this 15th day of December, A. D. 1871.

SOPHIA L. MERCER.

Witnesses:

A. E. H. JOHNSON,
ALEXR. A. C. KLAUCKE.

