

E. J. STANLEY.
Needle-Threader.

No. 132,110.

Patented Oct. 8, 1872.

Fig. 1.

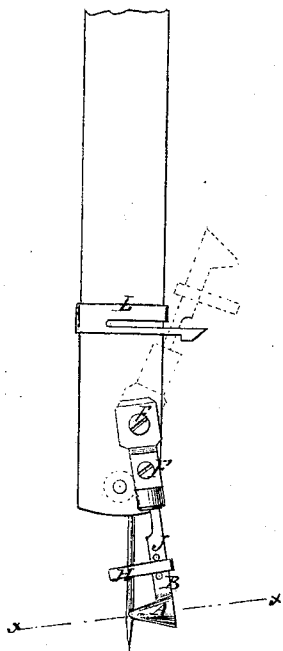


Fig. 2.

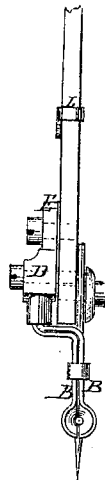
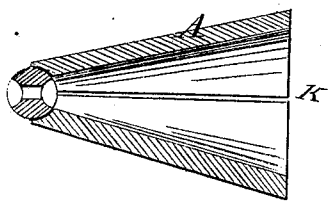


Fig. 3.



Witnesses:

Chas. Nida
Alex. F. Roberts

Inventor:

E. J. Stanley
PER *Munnell*
Attorneys.

UNITED STATES PATENT OFFICE.

ELLIS J. STANLEY, OF MONTEZUMA, IOWA.

IMPROVEMENT IN NEEDLE-THREADERS.

Specification forming part of Letters Patent No. 132,110, dated October 8, 1872.

To all whom it may concern:

Be it known that I, ELLIS J. STANLEY, of Montezuma, in the county of Poweshiek and State of Iowa, have invented a new and Improved Sewing-Machine Needle-Threader, of which the following is a specification:

My invention consists in forming the funnel-shaped threader in two parts, each of which is provided with a spring-arm, so that the thread may be readily drawn down between them after having been inserted through the eye of the needle.

Figures 1 and 2 are side elevations of a needle-bar and needle with my improved threader attached; and Fig. 3 is a horizontal section of the funnel and the needle.

Similar letters of reference indicate corresponding parts.

A is the funnel for guiding the thread to the eye of the needle. It is made in halves formed on the ends of bars B, which are suitably shaped, to be held by a block, D, pivoted to the needle-bar at E, being connected to said block by a socket in the lower end, and a binding-screw, F, in such manner that they can be shifted up or down, according to the distance the eye of the needle may be from the pivot E. H is an arm fastened to the bars B a short distance above the funnel in such manner that when the instrument is swung down to thread

the needle it will bear against the needle by which it passes and guide the point to the eye. The bars B are riveted together at J, so that the edges of the two parts of the nozzle pinch snugly together at K, but not so strongly but that a little strain on the thread will pull it through and disengage it from the funnel after being inserted in the eye of the needle. L is a spring-hook on the needle-bar above the threader for catching and holding it up out of the way till required for use. The notched formation of the point to fit the needle is clearly shown in Fig. 3.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The sewing-machine needle-threader, consisting of the socket D pivoted to the needle-arm, the set-screw F, and the adjustable parallel spring-arms B bent transversely under the end of the needle-arm, and provided with the forked needle-guide H and the half cones, forming together the thread-guide A, all constructed and arranged as specified, and combined with the holding-catch L.

ELLIS J. STANLEY.

Witnesses:

W. R. COWLEY,
G. W. HARTMAN,
W. H. RECHNAN.