(No Model.)

D. H. JACCARD.

Needle Threader.

No. 232,185. Patented Sept. 14, 1880.

FIG 1

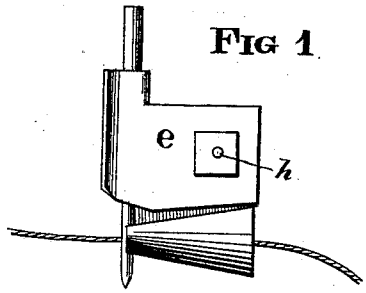


FIG 2

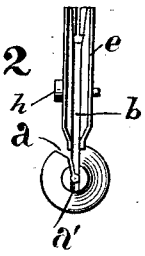


FIG 3

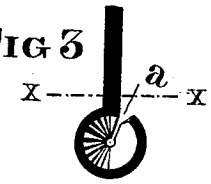


FIG 4



FIG 5

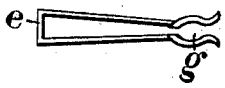
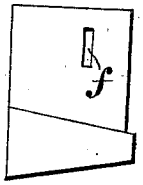


FIG 6



WITNESSES

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UNITED STATES PATENT OFFICE.

DAVID H. JACCARD, OF SAN FRANCISCO, CALIFORNIA.

NEEDLE-THREADER.

SPECIFICATION forming part of Letters Patent No. 232,185, dated September 14, 1880.

Application filed March 29, 1880. (No model.)

To all whom it may concern:

Be it known that I, DAVID H. JACCARD, of San Francisco, in the county of San Francisco and State of California, have invented an Improvement in Needle-Threaders, of which the following is a specification.

My invention consists of a needle-threader in which the thread is passed through a conical tube and enters the eye of the needle at the smaller end of the threading-channel.

A projecting portion of the threader is provided with a knife-edge, along which the needle is guided to the opening in the end of the tube, and a spring adjuster and gage is attached to the projecting side, which clasps and guides the needle in its passage to the threader, all of which will hereinafter more fully appear, reference being had to the accompanying drawings, in which similar letters refer to similar parts throughout the several views.

Figure 1 is a side elevation of my improved threader. Fig. 2 is a front elevation. Fig. 3 is a rear-end view of the body of my threader. Fig. 4 is a sectional view taken on line *x x* of Fig. 3. Fig. 5 is a top view of the combined spring adjuster and gage. Fig. 6 is a side elevation of the body, showing the slot *f*.

The body of my threader I construct in one piece having the conical threading-channel, in which a slit, *d*, is cut, through which the thread is drawn up after the needle is threaded.

At the small end of the threader is a split or groove, *d'*, formed by two little extensions of the cone, which serves to hold the point of the needle firmly by clasping it on each side.

The upper portion of the body is a flat piece, with a knife-like edge, *b*, which fits perfectly into the long groove on the side of a needle, thereby guiding the needle and holding it in position when clasped by the spring-clasp.

The combined spring adjuster and gage consists of one piece, *e*, of metal, which is bent around the projecting end or side of the body, in which position it is held by a screw, *h*, which passes through the spring and body, and this is adjusted by a slot, *f*, made in the body, so as to shorten or extend the spring and adjuster. The top of the spring has a flaring mouth or gutter, *g*, and extends a little way beyond the body thereof.

In practice the needle is slipped between the lips of the spring and along the knife-edge, when it is held securely in position by the knife-edge, spring, and extended ends, and as the spring is easily adjustable and presses closely against the needle-bar of the sewing-machine it is easily moved to adjust the threader to the eye of needles of different lengths, and when so adjusted is held by the set-screw *h*.

It is evident that my threader can be used for threading the various kinds of needles, and is adapted to all sewing-machines.

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

In a needle-threader, a conical tube provided with a split threading-channel and a split or grooved end, in combination with the adjustable spring-clasp gage *e*, having gutters *g*, knife-edge *b*, slot *f*, and set-screw *h*, all constructed and arranged to operate as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 13th day of March, 1880.

DAVID H. JACCARD. [L. S.]

Witnesses:

C. W. M. SMITH,

HOLLAND SMITH.