No. 825,095. PATENTED JULY 3, 1906.

H. G. WILMERLING.

NEEDLE THREADER AND PINCUSHION.

APPLICATION FILED SEPT. 8, 1905.

Fig. 1

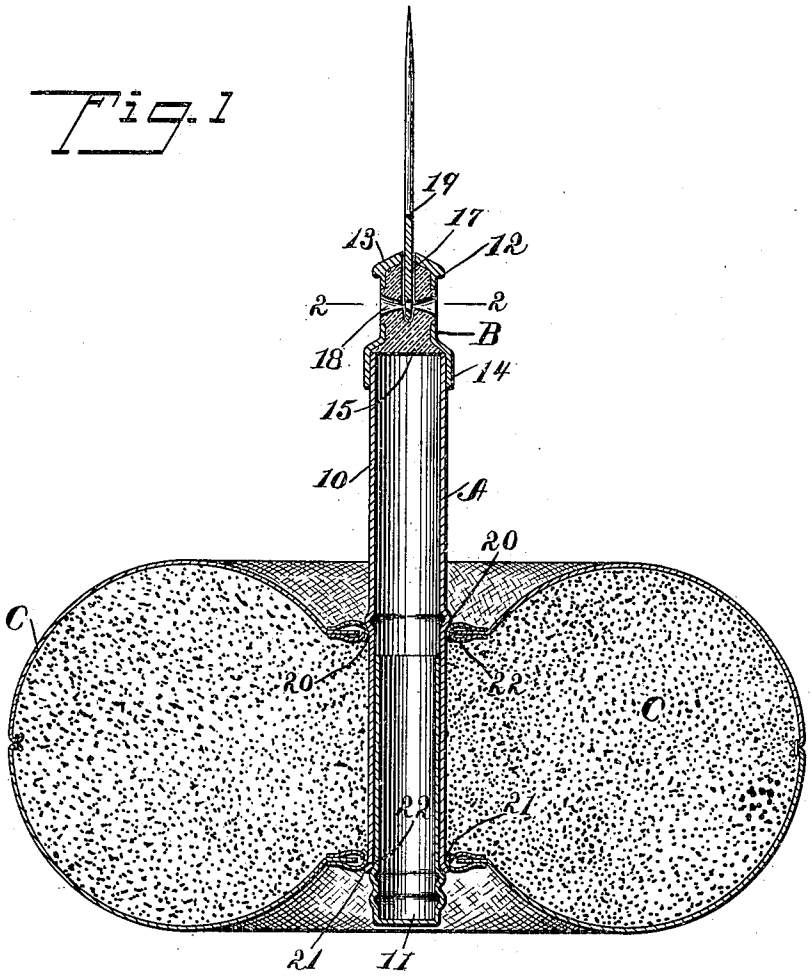
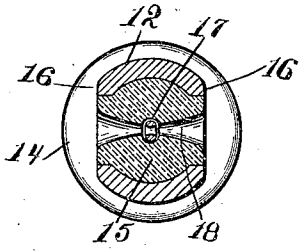


Fig. 2



WITNESSES:

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HENRY G. WILMERLING, OF NEW YORK, N. Y.

NEEDLE-THREADER AND PINCUSHION.

No. 825,095. Specification of Letters Patent. Patented July 3, 1906.

Application filed September 8, 1905. Serial No. 277,562.

To all whom it may concern:

Be it known that I, HENRY G. WILMERLING, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Needle-Threader and Pincushion, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide a construction of needle-threader comprising a tubular body made in telescopic sections for the reception of needles and a head constructed mainly of glass, the glass section being provided with an opening to receive the eye-section of a needle, which latter opening is at right angles to and crosses the needle-opening, whereby such a smooth surface is presented to the thread that it can be quickly and conveniently passed to and through the eye of the needle without the slightest danger of chafing the thread.

A further purpose of the invention is to provide a base for the body of the threader, which base is in the form of a cushion, the body of the threader being passed through the cushion and attached to the same in such manner as to draw the central top and bottom portions together, thus assisting in shaping the cushion and tending to render it compact.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a vertical section through the improved threader and its base; and Fig. 2 is a horizontal section through the threader, the section being taken practically on the line 2 2 of Fig. 1.

A represents a needle-receiving tube which comprises a body-section 10 and a cap-section 11, which is slid into the body-section 10 at its lower end. The upper end of the body-section 10 of the needle-receiving tube A is closed by a head B, and this head consists of a shell 12, preferably circular in cross-section, the shell being provided with a ring-like base 14, and this ring-like base is of greater diameter than the body of the shell, being of such diameter as to snugly fit over the body-section 10 of the needle-receiving tube at its upper end, as is shown in Fig. 1, and the said base 14 is secured to the needle-receiving tube by brazing, by rivets, or by being screwed thereon.

The shell 12 is provided with a conical top 13, and said shell is provided with a filling of glass, which is poured in molten state into the shell, filling the same from the top to about the upper portion of the base, as is shown in Fig. 1, and when the glass hardens it forms a block 15, which is substantially an integral portion of the shell. After the glass has hardened flat surfaces 16 are ground or otherwise produced at opposite sides of the body portion of the shell, and at these flattened surfaces 16 the glass block 15 appears, as is shown in Fig. 2. A vertical opening 17 is made in the central portion of the top 13 of the shell 12, and this opening is carried vertically down into the central portion of the glass block 15, as shown in Fig. 1, and at the exposed portions of the glass block a transverse opening 18 is made, which at its center crosses the vertical opening 17. The opening 18 is widened from its center in direction of its ends, rendering the end portions of the opening 18 more or less conical, their outer ends being of greatest diameter. The opening 17 is of the same cross-sectional area as the cross-section of the needle to be threaded, so that when a needle is passed head downward into said opening the needle is in position to be threaded.

When a needle 19 is placed head down in the opening 17 in the head of the threader, the eye of the needle will be located at that point where the transverse opening 18 crosses the vertical opening 17, as is shown in Fig. 1, and the opening 18 being so much wider at its ends than at any other point in its length enables the thread to be passed through the opening 18 from either side of the head 12 and directly through the eye of the needle and out at the opposite side of the said head, thus threading the needle, and when the needle is withdrawn, carrying the thread up with it, the thread engages with a smooth polished surface of glass, and the thread will in no manner be chafed nor is there any liability of the thread being cut.

A base C is provided for the threader just described, and this base is in the form of a cushion, being adapted to receive needles not in use. The body 10 of the needle-receiving tube A is provided near its center with

an annular exterior rib 20, and a similar rib 21 is provided at the lower end portion of the said body-section 10 of the needle-receiving tube, as is shown in Fig. 1. The said body 10 of the needle-receiving tube is passed through openings at the top and bottom of the cover of the cushion and through the material intervening such parts, and at said openings in the cover of the cushion gromets 22 are firmly secured. When the upper gromet is forced down upon the tube-section 10 to a position below the upper rib 20, the central upper portion of the cushion will be pressed downward and inward, and when the lower gromet is made to enter the space above the lower rib 21 on the said tube-section 10 the lower central portion of the cushion will be carried upward and inward, thus rendering the cushion exceedingly compact and tending to shape the same, leaving also a cavity at the bottom central portion of the cushion, in which the outer end of the telescopic cap 11 is located.

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

A needle-threading device, comprising a tube provided with exterior ribs, and with a cap for containing needles telescoping therein, a cushion through which the said tube passes, the cushion being provided with upper and lower gromets, adapted to engage with the said ribs, forming depressions at the top and bottom of the cushion, and a needle-threading device in the upper end of the tube.

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

HENRY G. WILMERLING

Witnesses:

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