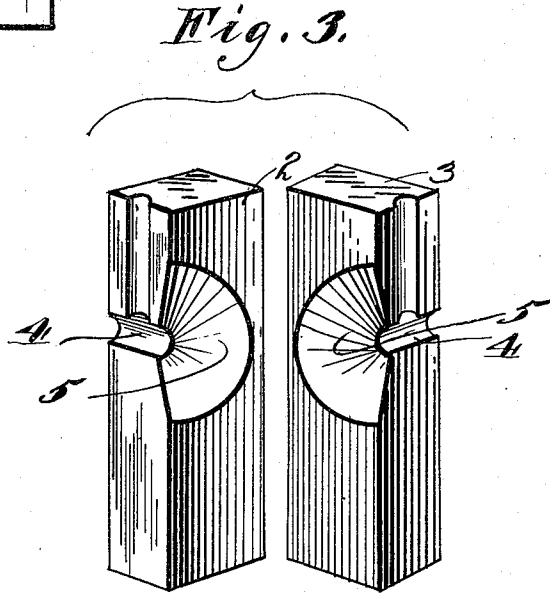
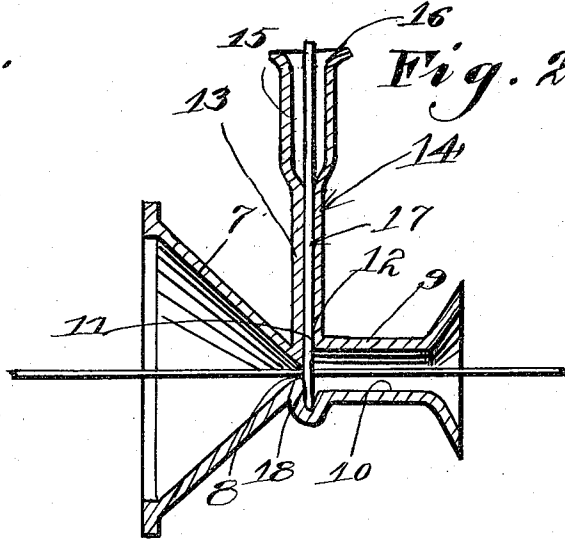
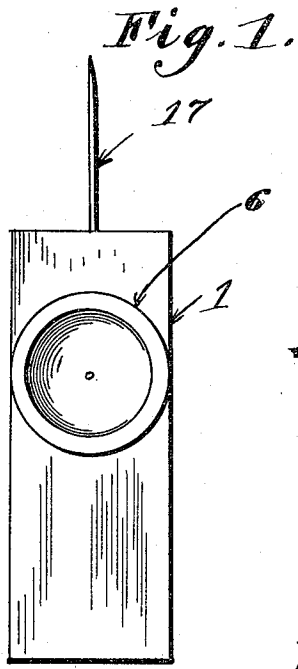


F. E. SPEAR.
NEEDLE THREADING DEVICE.
APPLICATION FILED JUNE 17, 1914.

1,147,656.

Patented July 20, 1915.



Witnesses
Paul Spaulding
W. F. Palmer

Inventor
F. E. Spear
By *A. Kautzsch, Jr.* Attorney

UNITED STATES PATENT OFFICE.

FRANCES E. SPEAR, OF BURLINGTON, VERMONT.

NEEDLE-THREADING DEVICE.

1,147,656.

Specification of Letters Patent.

Patented July 20, 1915.

Application filed June 17, 1914. Serial No. 845,652.

To all whom it may concern:

Be it known that I, FRANCES E. SPEAR, a citizen of the United States, residing at Burlington, in the county of Chittenden and State of Vermont, have invented certain new and useful Improvements in Needle-Threading Devices, of which the following is a specification.

This invention relates to new and useful improvements in needle threading devices, and has for its principal object to provide a guide for the thread when the same is being passed through the needle.

Another object of the invention is to render the usual tedious job of threading a needle a comparatively easy and simple operation which may be accomplished at the expense of a minimum amount of time and labor.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts as will be fully set forth in the following specification and accompanying drawings, in which,

Figure 1 is a front view in elevation of a needle threading device constructed in accordance with this invention, Fig. 2 is a longitudinal sectional view thereof on a considerably large scale, Fig. 3 is a perspective view of the block members forming the casing of the device showing the same as it would appear when separated.

Referring now to the drawings by characters of reference, the numeral 1 designates as an entirety the casing of the needle threading device comprising the two strips 2 and 3, each of which is provided intermediate its upper and lower extremities with the semi-cylindrical recess 4 and has formed in one of its faces, the depression 5 which is arranged to cooperate with the depression 5 formed in the cooperating element to form a depression in which the flared portion of the threading mechanism, which will be more fully hereinafter described, rests.

The threading attachment 6 hereinbefore referred to, comprises the funnel-shaped member 7 provided with the reduced opening 8. A tubular extension 9 is formed at the reduced end of the funnel-shaped member and is provided with an enlarged bore 10 which communicates with the reduced opening 8 and forms a shoulder at the point 11 as clearly shown in Fig. 2. A transverse aperture 12 is formed in the tubular extension 9 adjacent the point 11 and is arranged to receive the reduced tubular extension 13 formed on the needle receiving member designated generally by the numeral 14. This needle receiving member comprises the cylindrical body portion 15 on which the reduced extension 13 is formed, having the flanged upper end 16 which is arranged to form a guide for the end of the needle.

The lower end of the needle, which is designated generally by the numeral 17, is arranged to seat in the recess 18 formed in the lower wall of the tubular member 9 and thereby bring the eye of the needle in direct alinement with the reduced opening 8 hereinbefore referred to.

It will be apparent from the foregoing that the device is first assembled as illustrated in Fig. 2 and the notched edges of the blocks 2 and 3 are then secured together in any suitable manner and the device will assume the position illustrated in Fig. 1. The needle is then threaded into the needle receiving member 14 and upon forcing the same downwardly so that the flat portion of the eye of the needle is held between the reduced portion 13 and the shoulder 11, thus insuring the proper registration of the eye with the reduced aperture 8. A thread is then passed through the reduced aperture and then through the eye and upon withdrawing the needle from its position within the needle holding member, it will be apparent that the thread will be carried upwardly and outwardly, thus placing the needle in condition for use.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that such changes may be made in the combination and arrangement of parts as will fall within the spirit and scope of the invention as defined in the appended claim.

Having thus described my invention, I claim:

In a device of the character described, a funnel shaped guide, a tubular member secured to the funnel shaped guide and extending from its apex, the funnel shaped guide having an opening therein communicating with the tubular member, a flared portion at the rear end of the tubular member to provide a guard, a tubular extension projecting upwardly from the tubular member and secured thereto at a point where it joins the funnel shaped guide, said upstanding tubular member being enlarged at its up-

per end to permit of the easy positioning of a needle in place, the bottom of the tubular member being recessed to receive the head of the needle, a supporting block having a
5 transverse and a vertical opening formed therein, the transverse opening for the reception of the tubular extension and the vertical opening for the reception of the vertical tubular extension, the front face of the
10 block being recessed to receive the funnel

shaped guide and the flared portion of the tubular extension overlying a portion of the rear face of the block to hold the threading device in place with the block.

In testimony whereof I affix my signature 15
in presence of two witnesses.

FRANCES E. SPEAR.

Witnesses:

Mrs. HENRY McNALLY,
CLARK C. BRIGGS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."