

[54] YARN THREADING DEVICE

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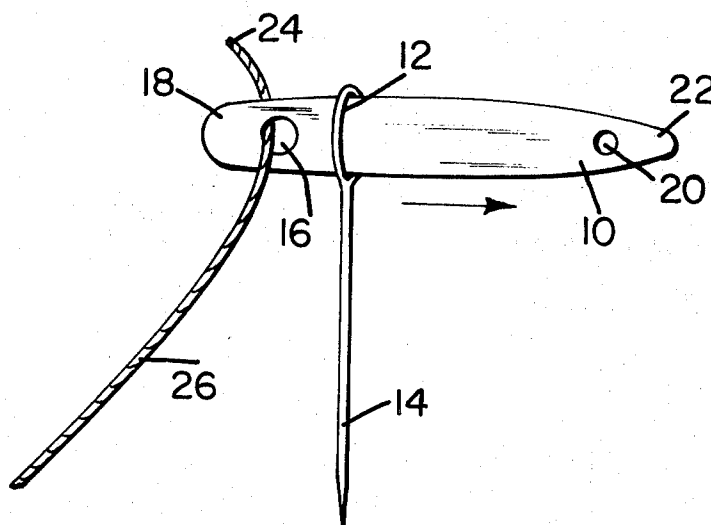
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[57] **ABSTRACT**

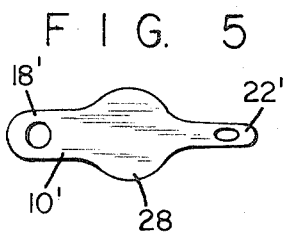
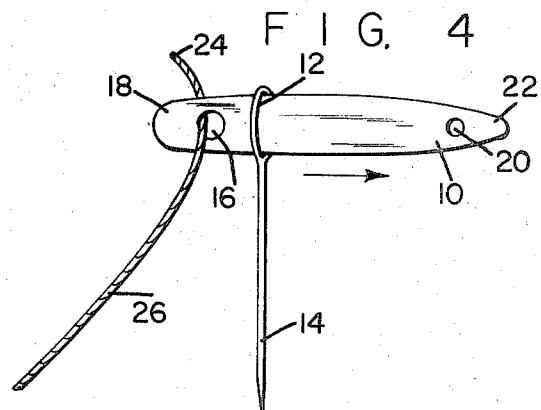
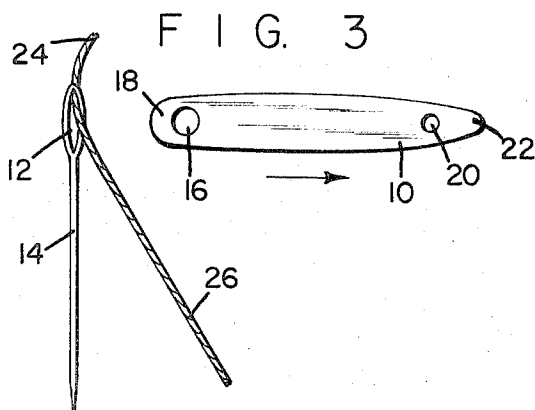
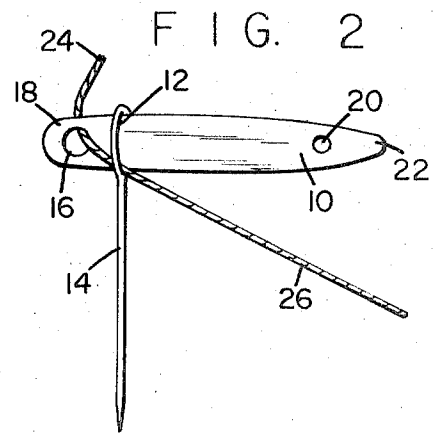
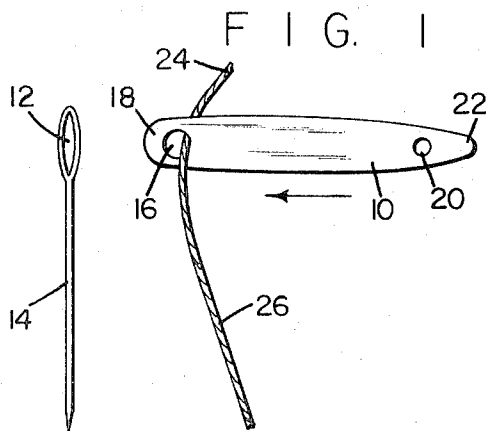
Yarn threading device particularly adapted to multi-thread yarns, comprising a thin elongated flat body member having a thread aperture adjacent an end thereof, and in some cases an aperture adjacent both ends. The apertures take up the major portion of the width of the body member at the position of the thread aperture.

6 Claims, 5 Drawing Figures



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YARN THREADING DEVICE

BACKGROUND OF THE INVENTION

It is difficult for most people to thread any kind of a needle but this is the case particularly using fuzzy yarns and especially multiple ply yarns. It takes some skill and experience to thread a needle expeditiously and this is discouraging to many people who would like to do various kinds of needle work, such as crewel, embroidery, petit point, etc.

There have been several attempts to make threaders of this nature but some of them are of compressible wire and are too complicated themselves for quick and easy use, and others differ from the present threader to be disclosed by having slots extend to the edge of the device, the yarn being then pushed through the slot to the eye or similar opening. In these cases the designers were attempting to achieve as small a hole as possible, which has been found by the present inventor not to be necessary.

SUMMARY OF THE INVENTION

The yarn threader of the present invention comprises a thin and semi-rigid elongated narrow plate of high carbon steel, spring steel, soft metal, plastic, etc. This plate has a relatively large opening at one end thereof, this opening readily receiving fuzzy yarns either single or multiple, the device having a total width narrow enough so as to extend through the eye of the needle to be threaded. Since the opening in the plate is relatively large there is no trouble in merely thrusting the end of the yarn through it, after having thrust the end of the plate having the opening through the eye of the needle; with about an inch of yarn end in the threader, the user slips the threader reversely to detach it from the needle and from the yarn.

In some cases the present threader will be made with a blunt end and a narrow end with a larger opening at the blunt end and a smaller opening at the narrow end, to accommodate different sizes and kinds of threads, fibers, or yarns.

Although this threader may be used for thread it is used primarily for yarns of single or multiple ply and other materials such as synthetics, wools, fibers, etc. Also the friction of the yarn extending through the eye of the needle clears the yarn from the threader.

Of course the threader may be slipped through the eye of the needle when already threaded, merely passing the threader completely through the needle eye, and continuing in this direction leaving the thread in the eye of the needle and disengaged from the threader.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a view illustrating the threader about to enter the eye of the needle;

FIG. 2 shows the threader having entered the eye of the needle, placing the end of the yarn at the opposite side thereof;

FIG. 3 shows the threader retracted;

FIG. 4 illustrates a different method of using the threader; and

FIG. 5 illustrates a modification.

PREFERRED EMBODIMENT OF THE INVENTION

The threader is a relatively elongated thin narrow

body 10 having a width at least in part which is no greater than the length of the eye 12 of needle 14. It is provided with a relatively large opening 16 adjacent a blunt end 18 of the threader, and it may if desired have a smaller opening 20 and a narrower or sharper end 22 at the opposite end thereof.

In one use of the threader, the leading end 24 of the yarn is thrust through the opening 16, this easily done. The main body portion of the yarn is shown at 26. The threader 10 is then pushed completely through the needle eye. These actions are shown by the arrows in FIGS. 1 and 3, the end of the yarn at 24 being extracted from the threader prior to retraction thereof as shown in FIG. 3. The friction of the yarn in the eye of the needle clears the yarn from the threader.

A smaller thread can be threaded into the eye of a needle by utilizing the opening 20 at the end 22 of the device.

Referring now to FIG. 4, a slightly different method of use is shown wherein the threader 10 is entered through the eye 12 of needle 14 entering at small end 22, the opening or eye 16 having been threaded as shown. The threader 10 is merely moved on through in the direction of the arrow in FIG. 4, and continuation of this motion disengages the threader from the eye of the needle and also from the yarn 24.

In the modification shown in FIG. 5, the end at 18' of the threader may fit into the eye of the needle and so also may the end 22', but a finger hold 28 centrally located with respect to the threader 10' is too large for this so that the method of FIG. 4 cannot be used with respect to the modification of FIG. 5. Nevertheless for some persons who are not manually dexterous the FIG. 5 modification is better because in some cases it is more easily manipulated, i.e., entered into the needle eye, then threaded, and retracted.

The diameter of the opening 16 is preferably about one-half the width of the threader or greater to easily accept a fuzzy multi-ply yarn, and the smaller opening, i.e., that in end 22', may be oval for greater area.

I claim:

1. A yarn threader comprising an elongated flat narrow self-sustaining member that is rigid in a direction at right angles to its length, said member having an opening at one end thereof, said opening being completely surrounded by the material of the threader member, the width of the member being small enough to enter the eye of the needle to be threaded, said opening being substantially circular and having a diameter which is substantially larger than the yarn intended to be used therein whereby a yarn threaded through the eye of the needle by said yarn threader will fan out along said opening as it passes through the eye of the needle.

2. The threader of claim 1 including a smaller opening at the opposite end of the threader.

3. The threader of claim 2 wherein the end of the threader containing the smaller opening is relatively more pointed.

4. The threader of claim 1 including a hand hold comprising an enlarged portion of the threader.

5. The threader of claim 4 including a second end, said second end having a smaller opening therein than the opening at the said one end.

6. The threader of claim 5 wherein the smaller end is oval.

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