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2,567,408

NEEDLE THREADER

Filed July 31, 1947

Fig.1

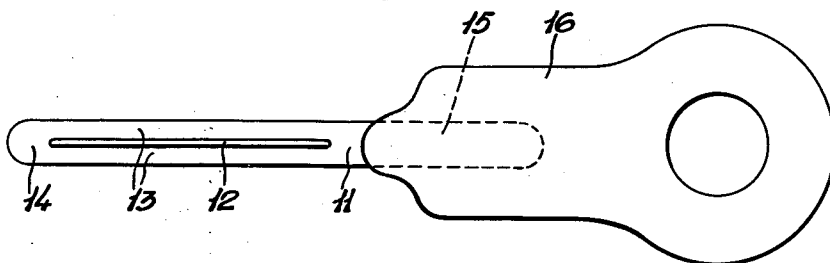


Fig.2

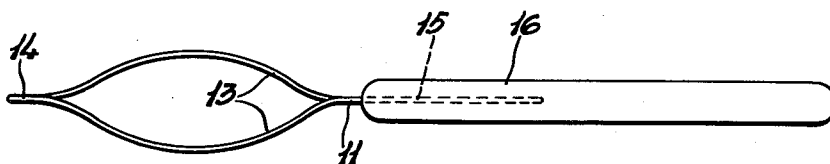
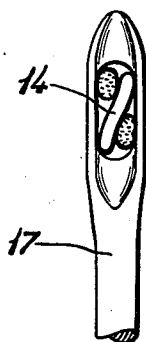


Fig.3



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# UNITED STATES PATENT OFFICE

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## NEEDLE THREADER

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In Sweden May 23, 1945

1 Claim. (Cl. 223-99)

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This invention relates to a needle threader, by means of which a thread may be easily and comfortably pulled through the eye of a sewing needle, and the main object of my invention is to provide a needle threader which is easily and cheaply manufactured but still reliable in use. Another object of my invention is to provide a needle threader, which may be manufactured by a simple punching or like operation, either as a whole, including both handle and threader portion, or partly, including the threader portion only.

A further object of my invention is to provide a needle threader of the so called "loop" type without making use of a sharply bent wire, which would easily break at the point as the loop is compressed during passing the eyelet of the needle, and further without making use of face to face lying flat bands, which occupy too much space in the eyelet to let the thread pass there-through without difficulty, when pulled by the threader. A still further object of the invention is to provide a needle threader of the type referred to, which is pointed in a way to easily penetrate the needle's eyelet, and wherein loop forming strips, coherent at their ends, are located in edge to edge relationship to occupy a minimum space in the eyelet and cause the thread to add its thickness to different ones of said strips, thereby facilitating the threading operation.

A preferred embodiment of the invention is illustrated in the accompanying drawing, wherein

Fig. 1 is a plan view of the needle threader,

Fig. 2 is a top view of the threader, and

Fig. 3 shows the threader inserted in the eye of a needle and viewed in the longitudinal direction of the threader.

In the drawing, the reference numeral 11 denotes a strip-like threader portion of flexible metal, which threader portion has a longitudinal slot 12 in the middle of its plane. Said slot extends substantially over the whole length of the threader portion leaving the strip parts 13 spaced thereby coherent at their ends only. The threader portion 11 is preferably slightly tapered as to its thickness towards the free end 14 thereof and its inner end portion 15 is anchored in a handle 16, which preferably is made of synthetic resin or light metal, though it may also be formed

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of sheet metal and form an integral part of the utensil.

The threader parts 13, which are still strip-like and arranged in edge to edge relationship are bent out in opposite directions normal to the plane of the threader portion 11 so as to form a substantial and resilient swelling of the thickness of said strip-like threader portion, see particularly Fig. 2.

When the threader portion has been pushed through the eyelet of a needle 16, the thread may be easily inserted in the loop formed by said parts 13 and keyed near the free end 14 of the threader during the pulling of the threader and the thread through the eyelet. The thickness of the thread will add diagonally to the thickness of the strip-like threader point and thus take a minimum space in the eyelet as will be seen from Fig. 3.

Having now described my invention, what I claim as new and desire to secure by Letters Patent is:

A needle threader comprising in combination a handle portion and a flexible strip-like threader portion, said threader portion having a longitudinal slot in the middle of its plane face, said slot extending substantially in the whole length of said threader portion from a point near the free outer end thereof, the parts of said threader portion spaced by the slot being still strip-like and bent out in opposite directions so as to form a substantial and resilient swelling of the thickness of said strip-like threader portion.

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