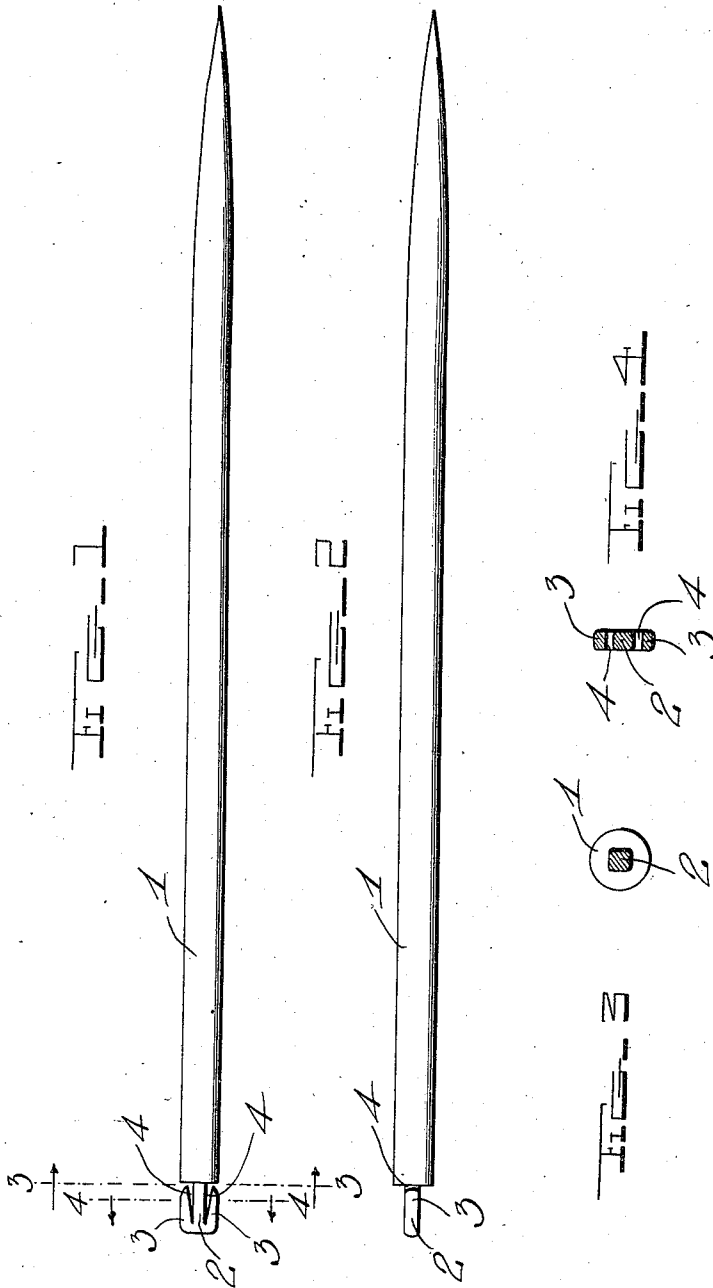


J. A. VOGELMANN.
NEEDLE.

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1,012,768.

Patented Dec. 26, 1911.



Witnesses

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NEEDLE.

1,012,768.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH A. VOGELMANN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Needles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in needles.

The object of the invention is to provide a needle of this character having an improved construction of thread attaching mechanism whereby the thread may be engaged with the needle when the latter is held in any position.

Another object is to provide a needle of this character which will be simple, strong, durable and inexpensive in construction, efficient and reliable in operation and well adapted to the purpose for which it is designed.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings: Figure 1 is a side view of a needle constructed in accordance with the invention; Fig. 2 is also a side view of the needle viewed from the side of the same; Fig. 3 is a view on the line 3—3 of Fig. 1 looking in the opposite direction. Fig. 4 is also a transverse section taken on the line 4—4 of Fig. 1.

Referring more particularly to the drawings 1 denotes the body portion of the needle which may be of the usual or any desired construction and on the larger end of the needle is formed a reduced shank or extension 2. The shank 2 is preferably of square or rectangular form in cross section and where the same joins the body of the needle a shoulder is formed as shown. On the outer end of the shank 2 and extending inwardly

and with their outer edges substantially parallel to two of the opposite sides of the shank are rigid, thread gripping jaws 3, between which and the adjacent flat sides of the extension are formed tapered spaces 4 with which the thread is engaged. When the thread is thus engaged with said tapered spaces 4 it is drawn back into the narrow portion of the spaces and caught or gripped by the jaws 3 which securely hold the thread while the needle is being used. As clearly shown the outer edges of the jaws 4 are substantially on a line of the jaw portion 1 of the needle, whereby the latter may be readily drawn through the fabric to be operated upon. By forming the thread gripping jaws in the manner described the thread may be engaged with and secured to either one or both of the jaws irrespective of the position in which the needle is held.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended claim.

Having thus described my invention, what I claim is:

A needle having a reduced flat shank, a pair of oppositely disposed rigid thread receiving jaws formed on the opposite edges of the shank, the ends of said jaws projecting toward the body portion of the needle, the inner thread directing edges of which are inclined, the outer edges of said jaws being substantially on a line with the body portion of the needle.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOSEPH ANTHONY VOGELMANN.

Witnesses:

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