

(No Model.)

J. BROWER.
FISH STRING NEEDLE.

No. 430,826..

Patented June 24, 1890.

Fig. 1.



Fig. 2.

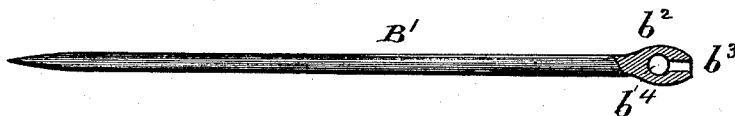


Fig. 3.



Witnesses.

A. Ruppert.

G. B. Towler.

Inventor.

Joseph Brower

Per

Thomas P. Simpson

Atty

UNITED STATES PATENT OFFICE.

JOSEPH BROWER, OF LEXINGTON, KENTUCKY.

FISH-STRING NEEDLE.

SPECIFICATION forming part of Letters Patent No. 430,826, dated June 24, 1890.

Application filed February 10, 1890. Serial No. 339,793. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH BROWER, a citizen of the United States, residing at Lexington, in the county of Fayette and State of Kentucky, have invented a certain new and useful Fish-String Needle; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The special object of my invention is to construct a fish-string needle so that in stringing fish there shall be no rough ties or bulky knots on the outside thereof, whereby they may be torn or disfigured.

Figure 1 of the drawings is an elevation showing a needle in two parts and illustrative of my invention. Fig. 2 is a modification showing the needle made in one piece with two communicating eyes or holes, and Fig. 3 a second modification showing a needle in one piece and with one eye.

In the drawings, A represents the body of the needle with the thread *a* at the upper end, and B the hollow head with the female screw *b* to receive the screw *a*. In the upper part of the head B is a small hole *b'*, through which is passed one end of a cord or string C, said end being then tied so as to form a knot *c*, which is drawn up in the head B, so that it

cannot tear the fish as they are put on the string, and yet will not allow the string to be pulled from the head of the needle.

In Fig. 2 of the drawings, B' is a needle made in one piece with the swell-head *b*², in which are made one vertical hole *b*³ and a hole *b*⁴, which crosses it at right angles, the knot *c* being secured out of the way in the hole *b*⁴.

In Fig. 3 of the drawings I show a needle B³ with the same swell-head *b*², but with only one hole *b*³ passing from one side diagonally up through the head, the said hole being large enough at the lower end to receive the knot *c*, but tapering until too small to let the knot escape.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

A fish-string needle having a curved longitudinally oblong head, provided with a hole running in an upward direction, diminishing in transverse area from the bottom to the top, and allowing a string knotted at one end to be pulled through at the other until the knot is tightly wedged in said hole, as and for the purpose set forth.

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

JOSEPH BROWER.

Witnesses:

GEORGE J. WARREN,
A. J. CAMPBELL.