

C. R. FISHER.
Tip for Fishing-Rods.

No. 198,879.

Patented Jan. 1, 1878.

Fig. 1.



Fig. 2.



Witnesses.
J. Hunnewell.
W. Boardman.

Inventor.
C. R. Fisher.
H. Curtis. Atty.

UNITED STATES PATENT OFFICE.

CHARLES R. FISHER, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN TIPS FOR FISHING-RODS.

Specification forming part of Letters Patent No. **198,879**, dated January 1, 1878; application filed August 13, 1877.

To all whom it may concern:

Be it known that I, CHARLES R. FISHER, of Chelsea, Suffolk county, Massachusetts, have invented an Improvement in Tips for Fishing-Rods, of which the following is a specification:

The article upon which this invention is based is a "tip," so called, for the small end of fishing-rods—that is, a guide for the fishing-line, which is run through an eye or loop in which the outer end of the tip terminates; and the invention consists in a tip formed of a tube composed of a wire helix, one end of such tube being open to receive the end of the rod-piece, and the other terminating in an eye or loop to receive and guide the line.

The drawing accompanying this specification represents, in Figure 1, a side view, and in Fig. 2 a longitudinal section, of my invention.

In said drawing, A represents the helical tubular body of my tip, and B the ring or loop, in which one end of such tube terminates, while C represents the smaller end of the tip-joint of a fishing-rod.

In producing a tip, as contemplated by my invention, I provide a mandrel of the proper size and slightly tapering, and wind about this mandrel such a quantity of fine spring-wire as shall constitute a tube of the proper length, and I then finish the smaller end of such tube by forming the eye B. This eye B may be of one single turn of wire, or of two or more, according to the strength desired in the ring, and the coils of wire of the tube A may or may not be soldered together.

In applying a tip of the above character to the last piece or "top joint," as it is called, of

a fishing-rod, I reduce the small end of such top joint to a taper corresponding, or practically corresponding, to the taper of the helical body of my tip. I then insert the end of the top joint, thus prepared, into the interior of the tube B, and give a few turns of the latter in the proper direction.

As the coils of the tube B constitute screw-threads of slow pitch, the tip is literally screwed to the top joint of the rod, as they embed themselves to a greater or less extent in the wood, while, in addition to this, the coils are somewhat relaxed, as the tip is turned upon the wood, and subsequently contract and gripe the latter very tightly, thus rendering accidental escape impossible.

A tip made as above stated possesses several important features: First, it may be applied in a very short time and with ease, and requires no cement or indenting of the tube to cause it to adhere to the wood, thus enabling an angler to repair his rod expeditiously and easily, should a tip be lost; second, it can be manufactured at small cost, and put upon the market at a very low price; third, owing to its elasticity, it does not become broken or injured in use or in transportation, and is very strong.

I claim—

A tip for fishing-rods, consisting of a tubular body composed of a wire helix, the outer or smaller end of such body terminating in an eye or loop to receive and guide the line, the whole being substantially as and for purposes stated.

CHARLES R. FISHER.

Witnesses:

W. E. BOARDMAN,
F. CURTIS.