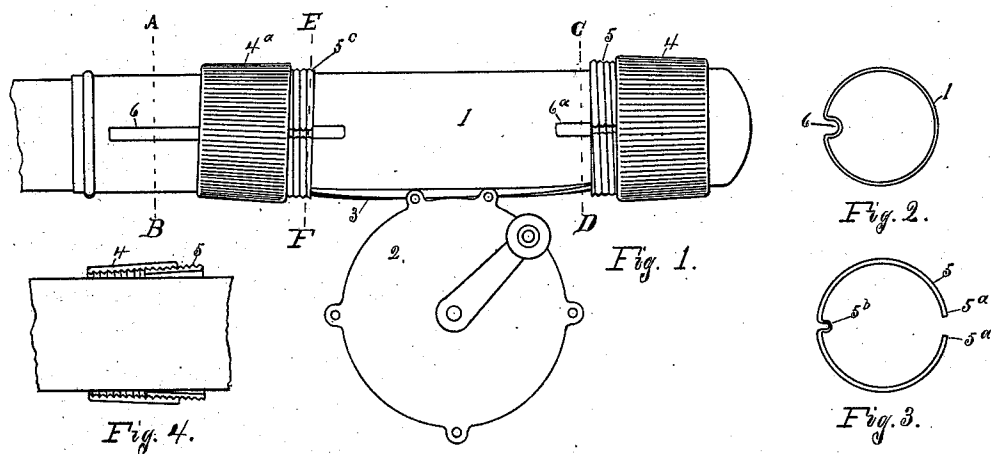


(No Model.)

J. P. H. HOOK.
FERRULE FOR REEL PLATES.

No. 402,594.

Patented May 7, 1889.



Witnesses.

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Inventor.

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UNITED STATES PATENT OFFICE.

JAMES P. H. HOOK, OF ROME, NEW YORK.

FERRULE FOR REEL-PLATES.

SPECIFICATION forming part of Letters Patent No. 402,594, dated May 7, 1889.

Application filed February 4, 1889. Serial No. 298,678. (No model.)

To all whom it may concern:

Be it known that I, JAMES P. H. HOOK, a citizen of the United States of America, and a resident of the city of Rome, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Fishing-Rods; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 part of this specification.

My invention relates to an improvement in fishing-rods, and more especially to the manner of securing the reel to the pole.

In the drawings which accompany and form part of this specification, Figure 1 shows the butt-piece of a pole or rod involving my invention and having a reel mounted thereon. Fig. 2 shows a transverse section on either line A B or C D. Fig. 3 shows a transverse section of a ferrule on line E F. Fig. 4 shows a longitudinal section of a section-ferrule.

Similar letters and figures of reference refer to like parts in the several figures.

Referring to the drawings, 1 indicates the fishing-rod butt-piece.

2 is the reel.

3 is the plate on which the reel is mounted and by which it is secured to the butt-piece.

4 4^a are sleeves or thimbles, having preferably a roughened external surface and a screw-threaded, tapering, or conical internal surface.

5 5^c are split ferrules having a tapering external surface and a screw-thread thereon corresponding with the thread on the internal surface of the thimbles. The ferrules 5 and 5^c are so constructed and slit that the elasticity of the ferrule will open the slit in the same and hold the edges 5^a 5^a a little apart, and in such a manner that the ferrule may be compressed into one of less diameter. An inwardly-extending projection, 5^b, is provided on ferrules 5 and 5^c, which is intended to work easily along recess 6 or 6^a, formed on the butt of the rod or pole, and prevent ferrule 5 or 5^c from rotating or being rotated upon the butt-piece. The projection 5^b also answers the purpose of holding the two thimbles, ferrules 4 4^a, and

ferrules 5 5^c, when engaging each other upon the butt-piece, by coming in contact with either end of recess 6 or 6^a.

The make-up and manner of using are as follows: The thimble 4^a is slipped over the end of the butt-piece and up the rod or pole, the larger open end being down. The ferrule 5^c is then slightly sprung open and placed upon the butt-piece, the projection 5^b being entered in slot or recess 6, the taper of ferrule, the smaller end up the rod. The thimble 4^a is then entered upon ferrule 5^c, and it will be readily observed that as thimble 4^a is screwed onto ferrule 5^c, both being on a taper, the internal diameter of ferrule 5^c is reduced and brought nearer to the diameter of the butt-piece, so that the end of a reel-plate, 3, inserted between the ferrule 5^c and butt-piece, would be firmly secured. The thimble 4 and ferrule 5 are applied to the butt-piece in substantially the same manner as described of 4^a and 5^c, only having the larger ends up and toward the reel.

A reel is secured to the rod or pole by screwing the thimbles 4 and 4^a off from the split ferrules, which they engage, respectively, until they only engage a few threads. The ferrules are then slipped apart until the reel-plate will enter between them. They are then brought together until the ferrules will engage the ends of the reel-plate, when by screwing up the thimbles 4 and 4^a the reel will be secured firmly to the pole or rod.

By the use of the mechanism described reels having long or short, thick or thin, reel-plates may be readily secured firmly to or removed from the pole, and this without reference to whether the reel-plate has the same curve as the butt-piece or not.

Various alterations and changes may be made from the construction described without departing from the spirit of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a fishing-rod, of a split ferrule directly embracing the rod and tapered upon its outer surface, and a thimble embracing the ferrule and oppositely tapered upon its inner surface, substantially as and for the purpose described.

2. The combination, with a fishing-rod, of a pair of split ferrules directly embracing the

rod and tapered upon their outer surfaces, and
a pair of thimbles oppositely tapered upon
their inner surfaces and each embracing one
of the split thimbles, substantially as and for
5 the purpose set forth.

3. The combination, with the rod longitudi-
nally recessed at its butt, of the split ferrules
having inwardly-extending projections to en-
ter said recesses, and externally threaded and

tapered oppositely to said ferrules and em- 10
bracing the same, substantially as and for the
purpose specified.

In witness whereof I have affixed my signa-
ture in presence of two witnesses.

JAMES P. H. HOOK.

Witnesses:

ROBERT E. VAN DYKE,

WILLIAM M. BEEMAN.