(Model.)

J. PEPPER.

FISHING ROD.

No. 406,465. Patented July 9, 1889.

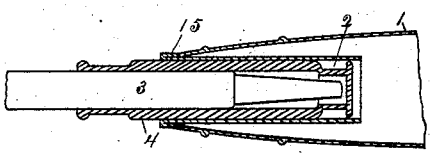


Fig. 1.

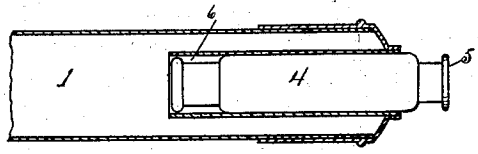


Fig. 2.

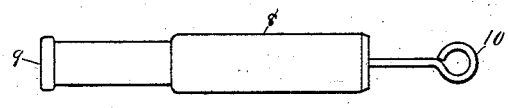


Fig. 4.

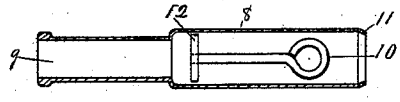


Fig. 5.

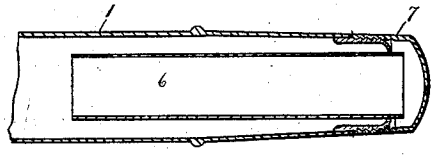


Fig. 3.



Fig. 8.



Fig. 7.

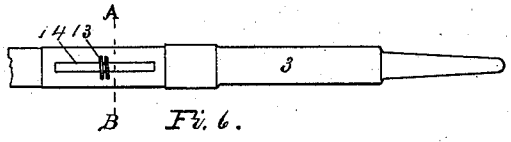


Fig. 6.

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UNITED STATES PATENT OFFICE.

JOHN PEPPER, OF ROME, NEW YORK.

FISHING-ROD.

SPECIFICATION forming part of Letters Patent No. 406,465, dated July 9, 1889.

Application filed February 4, 1889. Serial No. 297,680. (Model.)

To all whom it may concern:

Be it known that I, JOHN PEPPER, 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.

In using a jointed fishing-rod it is often found desirable to remove one of the sections in order to shorten the pole, and it is a great advantage to be able to remove a section of the rod or pole without taking out the line. It is the object of my invention to provide means for accomplishing this, besides furnishing other obvious advantages.

In the drawings which accompany and form a part of this specification, Figure 1 shows the upper end of the butt-section of a rod or pole involving features of my invention. Fig. 2 shows the butt-end of a pole involving features of my invention. Fig. 3 shows a modified form of construction of butt-end of pole. Fig. 4 shows a modified form of construction of a supplemental or reducing ferrule. Fig. 5 shows a longitudinal section of Fig. 4. Fig. 6 shows the lower end of a section of a jointed rod or pole and a line-eye. Fig. 7 shows a section on line A B, Fig. 6. Fig. 8 shows a line-eye removed.

Referring to the drawings, 1 indicates the butt-section of a rod or pole, in the upper end of which is socket 2, which is adapted to receive the lower end of the next section of the pole or supplemental or reducing ferrule or bushing 4. Ferrule 4 is adapted to receive the lower end 3 of one of the remaining sections of the pole, and being more preferable the second section from the butt-section, although it may equally as well be made to receive any section. A socket 6, Fig. 1, is provided in the butt-end of the pole for the reception of supplemental ferrule 4 when not in use, in which socket it fits sufficiently tight to retain its place there unless forcibly removed by grasping the protruding end and drawing it out.

A modified form of construction of supplemental ferrule 4 is shown in Figs. 4 and 5, in which 9 is the open end for the reception of the ferruled end of a section of a pole, and 8 is a barrel adapted to fit into socket 2 or 6, and provided with a plate 12, which is longitudinally movable in the barrel 8, and is secured to handle 10. The plate 12 is retained in barrel 8 by the inwardly-turned edge 11, Fig. 5. Plate 12 and handle 10 are intended to draw the reducing-ferrule out of socket 6. When so used, the handle 10 is in the position shown in Fig. 4, and when the reducing-ferrule is in the socket 6 or 2 the handle 10 and plate 12 are in the position shown in Fig. 5, or substantially so.

In using the modified form of construction of supplemental ferrule shown in Figs. 4 and 5 it is desirable to modify the form of construction of the butt-piece by providing a movable cap 7, Fig. 3, over the socket 6, which cap 7 may be removably secured by screw-thread or any other well-known means.

A line-eye 13, Figs. 6, 7, and 8, is provided, having means for securing it to the pole, which, as I prefer to construct it, is a strip or plate 14, held to the pole by winding with thread, and to which plate 14 the eye 13 is preferably rigidly secured. Eye 13, instead of being a solid ring, is formed circular, and having the ends free and lapping by each other, as shown in Figs. 6 and 8, so that a line will run smoothly through the eye when drawn lengthwise of the pole, but may be removed from the eye by drawing it nearly crosswise of the pole and passing it between the overlapping ends of the eye.

In using the device, when it is desired to shorten the rod or pole, the line is removed from the line-eyes upon the section to be removed by drawing the line substantially crosswise of the pole at the eye and passing it out between the overlapping ends. The section is then removed, the piece 4 removed from the butt and placed in the socket 2, and then the next section placed in the socket of piece 4.

In the case of the modified form of construction shown in Fig. 4, when in the socket or receiver 6 of Fig. 3, the handle 10 will imme-

diately drop out upon the removal of cap 7, so that the supplemental ferrule may be withdrawn thereby.

A cap 7 is provided to keep the handle 10 of the supplemental ferrule shown in Figs. 4 and 5 from protruding when the ferrule is contained within the socket, or to keep the socket protected from foreign substances, or both, and this will apply whichever end of the butt-section (not both at the same time) the cap 7 is applied to, except the cap is not applied to the socket when the ferrule is in position to perform the function for which it is provided.

It will be readily observed that in that class of rods or poles where the butt-section consists only of the handle (*i. e.*, that part intended to be grasped by the hand) and a place for the reel the other sections of the pole may be placed on either end of the butt-section, and thus place the reel either above or below the hand, as desired. In this case sockets 2 and 6 are transposed and perform the office of each other, and in the case of the modified forms of construction shown in Figs. 3, 4, and 5 it is desirable to place a screw-thread substantially at the point indicated by 15, Fig. 1, to receive and secure cap 7 when the section is used in the reverse position from that described.

Various alterations and modifications from those described may be made 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 sectional jointed fishing-rod, of a supplemental reducing-ferrule for shortening the rod by substituting the same for one of the intermediate sections of the pole, substantially as described.

2. The combination, with a sectional jointed fishing-rod, of a butt-section having a socket 2 and a socket 6, and a supplemental reducing-ferrule adapted to be placed in either socket, substantially as described, for the purposes stated.

3. The combination, with a sectional jointed fishing-rod, of a butt-section having sockets in each end thereof, a supplemental reducing-ferrule, for the purposes stated, adapted to be placed in either socket, and a cap adapted to be applied to either end of the butt-section over the socket, substantially as set forth.

4. The combination, in a sectional jointed fishing-rod, of a supplemental reducing-ferrule having a handle capable of retreating into the ferrule, substantially as described, for the purposes stated.

5. The combination, with a jointed fishing-rod of three or more sections, of a supplemental reducing-ferrule, substantially as described, and a line-eye having overlapping free ends, substantially as described.

In witness whereof I have affixed my signature in presence of two witnesses.

JOHN PEPPER.

Witnesses:
CHARLES D. CROOK,
EDWIN R. FARRIER.