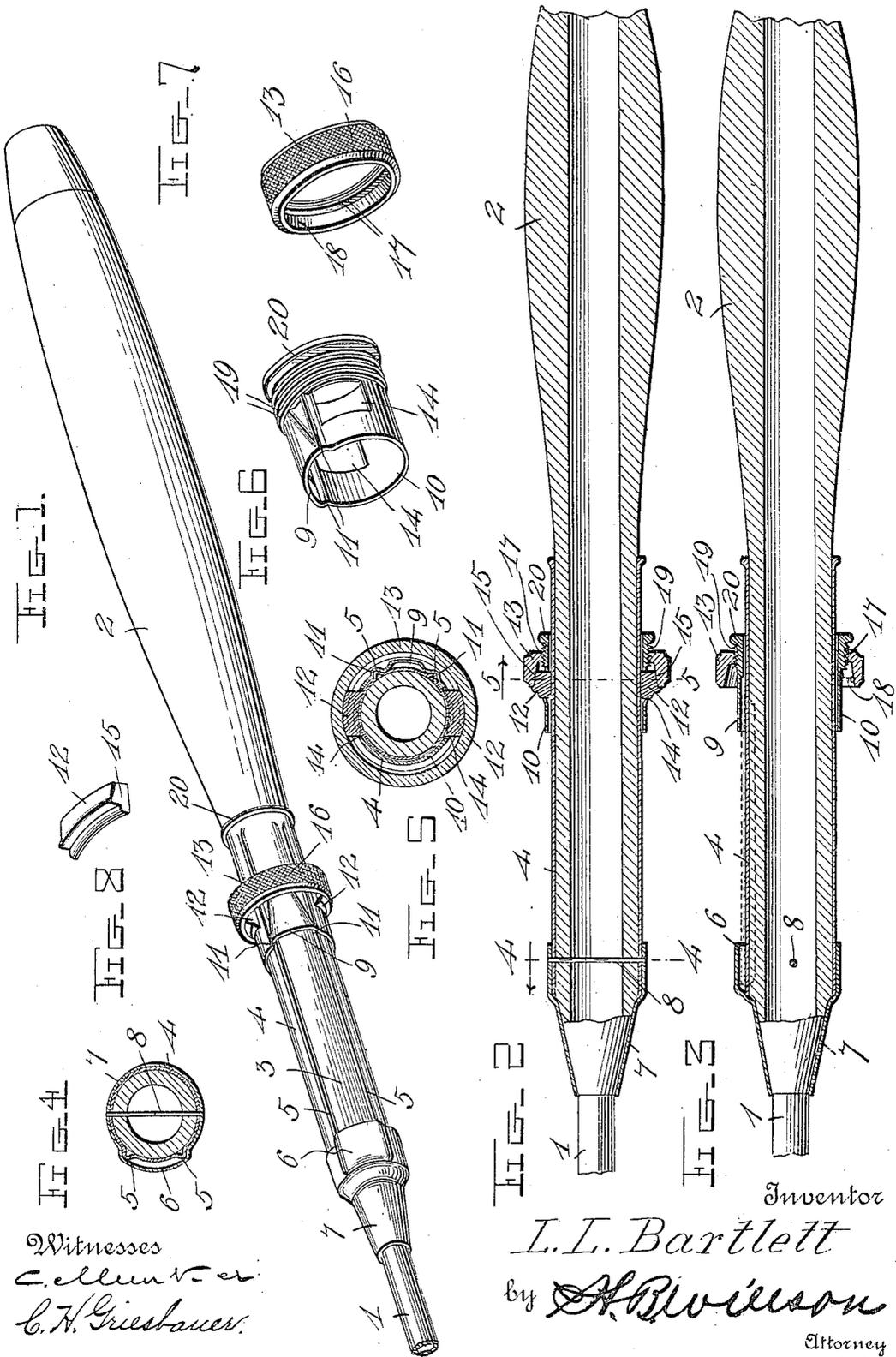


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PATENTED SEPT. 25, 1906.

L. L. BARTLETT.
SLIDING REEL BAND.
APPLICATION FILED OCT. 23, 1905.



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SLIDING REEL-BAND.

No. 831,764.

Specification of Letters Patent.

Patented Sept. 25, 1906.

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To all whom it may concern:

Be it known that I, LEANDER L. BARTLETT, a citizen of the United States, residing at Montague City, in the county of Franklin and State of Massachusetts, have invented certain new and useful Improvements in Sliding Reel-Bands; 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.

My invention relates to improvements in fishing-rods, and more particularly to the means for detachably fastening the reels thereto.

The object of the invention is to provide a reel-fastening device which will be of simple and durable construction and very convenient and easy to operate.

With the above and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of the handle end of a fishing-rod with my improved reel-fastening means mounted thereon. Fig. 2 is a longitudinal sectional view through the same. Fig. 3 is a similar view taken on a plane at right angles to that of Fig. 2. Figs. 4 and 5 are transverse sectional views taken, respectively, on the planes indicated by the lines 4-4 and 5-5 in Fig. 2. Fig. 6 is a perspective view of the sliding socket-sleeve. Fig. 7 is a similar view of the clamping ring or nut, and Fig. 8 is a perspective view of one of the clamping blocks or jaws.

Referring to the drawings by numerals, 1 denotes a portion of a fishing-rod of any description, 2 denotes the handle or hand-grip thereon, and 3 denotes the usual reel-seat. The latter, as shown, is formed upon a metallic tube 4 between two parallel longitudinally-extending ribs stamped or otherwise formed or provided upon said tube. At one end of the seat 3 is a fixed socket 6, which is adapted to receive one end of the usual base-plate of a reel, which plate is curved transversely to fit the seat 3 and is indicated in dotted lines in Fig. 2 of the drawings. The stationary socket 6 is here shown as stamped outwardly from a tubular cap or ferrule 7, which is secured upon the rod and the outer end of the tube 4 by a cross-pin 8, as shown in Fig. 3, or

in any other suitable manner. The opposite end of the base-plate of the reel is adapted to engage a similar but tapering socket 9, formed or provided upon a sleeve or similar element 10, which is mounted to slide longitudinally upon the tube 4 between its lower end and the cap 7. The sleeve 10 is tubular in form and of slightly-greater diameter than the outer diameter of the tube 4, so that it may slide freely thereon, and it is formed with two longitudinally-extending grooves or channels 11, arranged upon its inside to engage the ribs 5 and prevent rotation or lateral shifting of the sleeve. The tapering socket 9 is formed by stamping a portion of the sleeve between the grooves or channels 11 and independent thereof outwardly, as clearly shown in Figs. 1, 4, 5, and 6 of the drawings. In order to clamp the sleeve or element 10 at any desired point upon the tube 4, so as to fasten the base-plate of a reel of any size upon the seat 3 between the two sockets 6 9, I provide upon the said sleeve a clamping means which comprises, as shown, two oppositely-disposed clamping jaws or blocks 12 and a ring or nut 13, which has a screw-threaded engagement with the sleeve and which is adapted to force or wedge the blocks into frictional engagement with the tube 4. The blocks or jaws 12 are curved longitudinally, so that they are of segmental form and are seated in openings 14, formed in the sleeve 10 at approximately diametrically opposite points, as shown in Fig. 5. These blocks 12 have their curved inner faces in engagement with the outer face of the tube 4, and their outer faces are beveled or inclined, as shown at 15, so that they are wedge-shaped in transverse section.

The clamping nut or ring 13 has its outer face milled or otherwise roughened, as shown at 16, to permit it to be readily rotated, and its inner face is formed at its lower end with screw-threads 17 and at its upper end with an outwardly tapered or beveled face 18. The latter is adapted to engage the oppositely-beveled faces 15 of the blocks or jaws 12 so as to retain them in their seats or openings 14 and to force them into frictional engagement with the tube 4 when the nut or ring 13 is rotated in the proper direction. The internal screw-threads 17 on the nut or ring are engaged with similar external screw-threads 19, provided upon the inner end of sleeve 10, as clearly shown in Fig. 6 of the

drawings. It will be seen that when the ring or nut is screwed down toward an annular stop-bead 20, formed or provided at the lower or inner end of the sleeve, the blocks or jaws 12 will be freed sufficiently to permit the sleeve to be slid longitudinally upon the tube 4, and that when said ring or nut is secured in the opposite direction or toward the outer end of the fishing-rod the beveled face 18 of the nut will engage the beveled face 15 of the blocks and force them into frictional engagement with the tube 4 to cause the sleeve to be securely clamped thereon.

The construction, operation, and advantages of the invention will be readily understood from the foregoing description, taken in connection with the accompanying drawings.

It will be seen that by means of this invention a reel having a base-plate of any length or width may be quickly and securely clamped upon the seat 3 so that there will be no liability of it becoming gradually or accidentally disconnected or rotating or moving laterally on the seat 3 because of the taper of the socket 9, which taper holds it firmly.

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 the invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of a rod, a sleeve slidable thereon and formed with an opening and screw-threads, a wedge-shaped block in said opening, and a nut upon the screw-threads of said sleeve for forcing said block into frictional engagement with said rod.

2. The combination of a rod, a sleeve slidable thereon and formed with an opening and screw-threads, a block in said opening and provided with a tapered outer face, and a nut having its inner face tapered to engage the tapered outer face of said block and inter-

nally screw-threaded to engage the screw-threads upon said sleeve.

3. The combination of a rod, a sleeve slidable thereon and formed with openings and external screw-threads, wedge-shaped blocks seated in said openings, and a nut engaged with the screw-threads upon said sleeve and formed with a beveled inner face to engage the oppositely-beveled outer face of said wedge-shaped blocks to retain the latter in said openings and to force them into frictional engagement with said rod, substantially as described.

4. The combination of a rod having a longitudinally-extending seat and a stationary socket at one end of said seat, a sleeve slidable upon said rod and its seat and provided with a tapered socket, an opening and screw-threads, a wedge-shaped jaw seated in said opening and a clamping-nut engaged with the screw-threads on said sleeve and having a tapered face to engage said wedge-shaped jaw, substantially as described and for the purpose set forth.

5. The combination of a fishing-rod, a metallic tube thereon having parallel longitudinal beads forming a seat between them, a cap or ferrule secured adjacent to one end of said tube and formed with a socket, a sleeve slidable upon said tube, said sleeve being formed with grooves to engage said beads, a socket disposed in alinement with said seat and further provided with oppositely-disposed openings, wedge-shaped blocks seated in said openings, and a clamping-nut having a screw-threaded engagement with said sleeve and a beveled or tapered face to engage said wedge-shaped blocks, substantially as described.

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

LEANDER L. BARTLETT.

Witnesses:

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ROBT. E. KELLS.