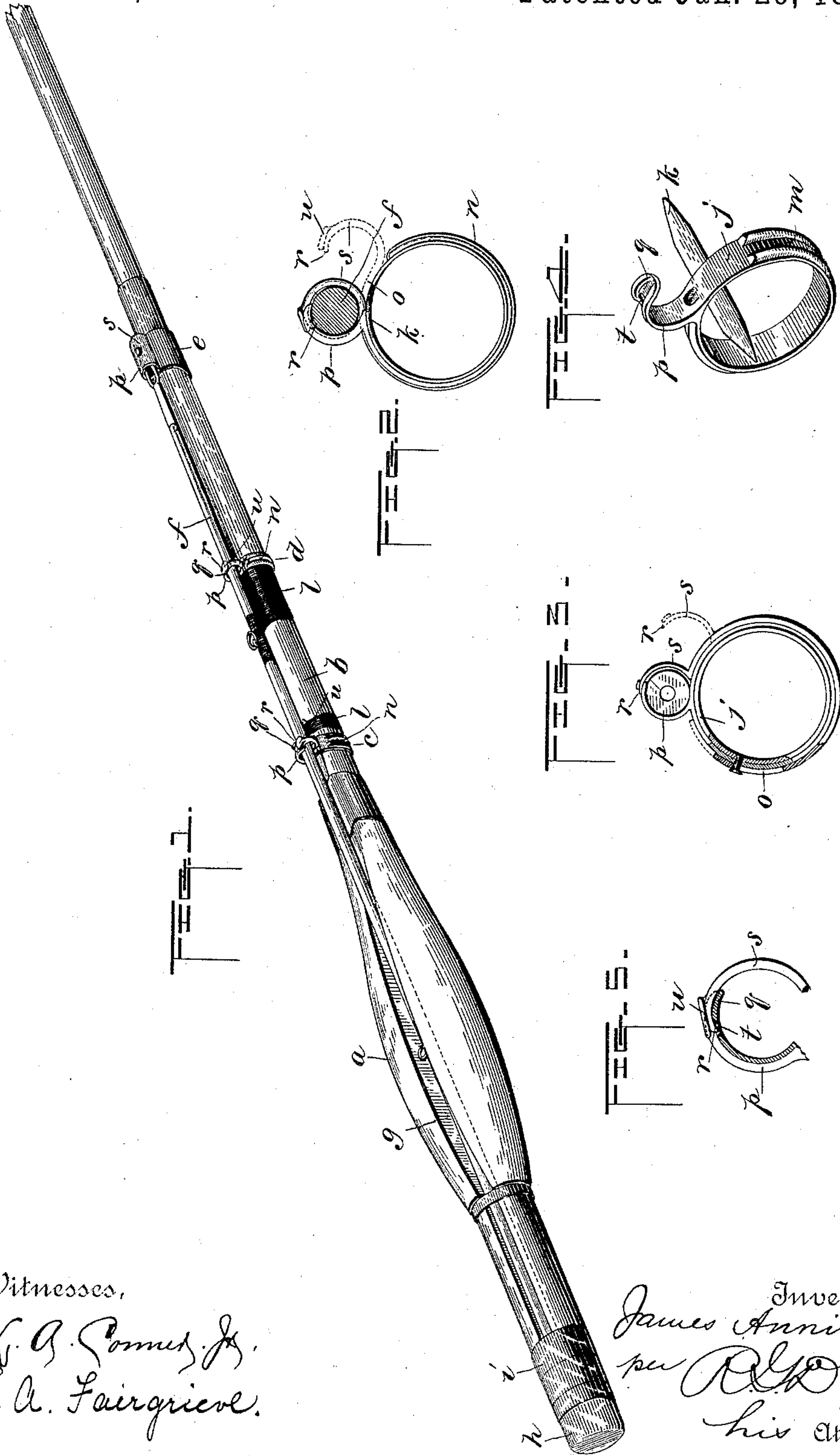


(No Model.)

J. ANNIN.
FISHING ROD.

No. 396,909.

Patented Jan. 29, 1889.



Witnesses,

L. G. Somers, Jr.
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UNITED STATES PATENT OFFICE.

JAMES ANNIN, OF LE ROY, NEW YORK.

FISHING-ROD.

SPECIFICATION forming part of Letters Patent No. 396,909, dated January 29, 1889.

Application filed May 24, 1888. Serial No. 274,919. (No model.)

To all whom it may concern:

Be it known that I, JAMES ANNIN, a citizen of the United States, residing at Le Roy, in the county of Genesee and State of New York, have invented certain new and useful Improvements in Fishing-Rods; and I do hereby 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 jointed fishing-rods, the object being to provide a more convenient way of attaching an extra tip.

With this end in view my invention consists in the peculiar features and combinations of parts more fully described hereinafter, and pointed out in the claims.

Referring to the accompanying drawings, Figure 1 is a perspective view of my complete invention, and Figs. 2, 3, and 4 views in detail.

The reference-letter *a* indicates the handle-section or stock of a jointed fishing-rod. The smaller tapering end, *b*, of the stock is provided with a series of double rings or concentric bands, *c*, *d*, and *e*, provided with separable eyes or clasps *z*, which, when closed, embrace an extra tip, *f*. The thicker portion of the stock is provided with a longitudinal recess, *g*, which receives the larger portion of the tip, and the eyes *c*, *d*, and *e* are placed in alignment with this recess. The lower end of the recess is closed by the ferrule and reel-bands *i*, while the upper end is left open for the reception of the tip. This recess is given such a depth that the tip will lie below the outer surface of that part of the stock which is grasped while fishing, in order to prevent any uncomfortable projections. By this arrangement the exterior contour of the handle is preserved, the operations of the fisherman not interfered with, and the main portion of the tip protected from injury. The double rings *c d* consist each of two concentric metal bands, *j* and *n*, the former being rigidly secured to tapering portion of the stock by means of lateral arms *k*, over which silk, *l*, is wound. This base-band *j* is also provided with an exterior groove, *m*, within which slides the outer concentric ring, *n*. Reversely-curved arms or spring-projections *p s* rise from the circumference of both bands, and their free ends *q r* are arranged to overlap and engage each other

to form a separable eye or clasp, *z*. The planes of these two meeting arms *p* and *s* are made to slightly intersect each other, so that the end *r* of the arm *s* will slide over the curved surface of the stationary end *q* and snap down into the recess *t* to lock the ends in positive engagement, as shown more clearly in Fig. 5. The movable end *r* is provided with a head, *u*, to receive the finger-nail in opening the clasp to remove the tip.

In the clasp shown in Fig. 3 the planes of the semicircular arms *p s* are cylindrical and made concentric with each other, and the band *j* and ring *o* are also made cylindrical, and the latter has a larger frictional surface upon the band *j*, and the ring *o*, being sprung over the band, will stay in open and closed adjustment without employing the recess *t* in Fig. 5. The cylindrical form of the clasping-arms *p s* shields the eye upon the end of the tip and prevents it from catching upon obstacles.

In applying the extra tip to the rod the operator has simply to insert the thicker end in the recess *g*, and so that its lighter end will lie within the arms *p* of the clasps, which have been left open. The semicircular arms *s* are then pressed in engagement with the stationary arms *p* to close the clasps, and the tip is held securely in place. In removing the tip reverse operation is performed, the ring *o* sliding back over the band *j* and enabling the operator to release the tip and withdraw it from the slot.

It will be observed that when the semicircular arms are in closed adjustment they form a separable eye for the reception of the extra tip, and by making the recess in the side of the stock so that it will be in alignment with the clasping-eyes the tip can be inserted and withdrawn and held in place without bending or injuring it in any way.

It is evident that many slight changes which might suggest themselves to a skilled mechanic could be resorted to without departing from the spirit and scope of my invention; hence I do not limit myself to the precise construction shown.

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

1. In a fishing-rod handle or stock having a longitudinal recess therein for the reception

of a rod-section, the combination of concentric clasping bands or rings for encircling the rod at intervals, provided with overlapping spring-clasps for engaging the rod-sections, substantially as described.

2. In a fishing-rod, a stock provided with a longitudinal recess for the reception of an extra tip, in combination with one or more eyes or clasps placed in alignment with said recess, in the manner and for the purpose set forth.

3. In a fishing-rod, one or more double rings arranged to slide within each other and provided with curved arms, the free ends of which lock one with the other by frictional contact, in

the manner and for the purpose substantially as described.

4. A clasping-band for fishing-rods, comprising two concentric rings, one of which is fitted to slide within or upon the other, each being provided on its circumference with a reversely-curved spring projection to overlap and clasp a rod-section, substantially as described.

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

JAMES ANNIN.

Witnesses:

WALTER H. SMITH,
JOHN B. ANDERSON.