

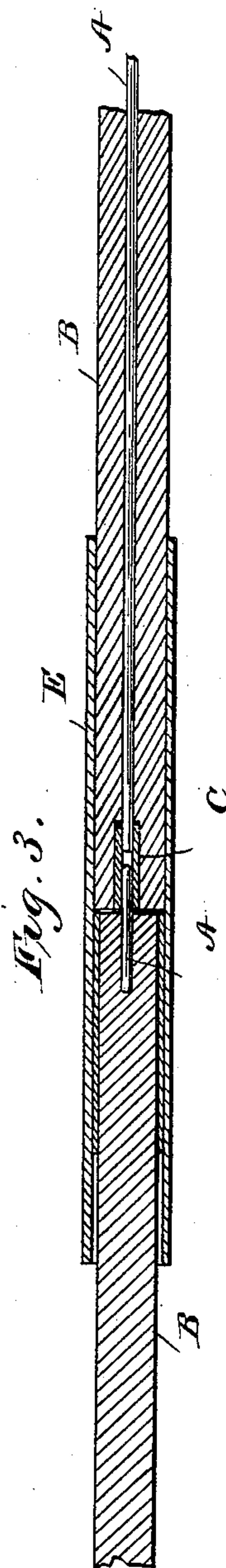
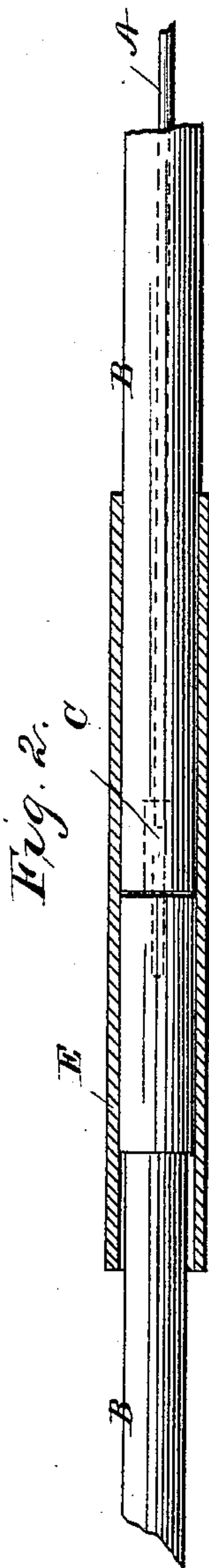
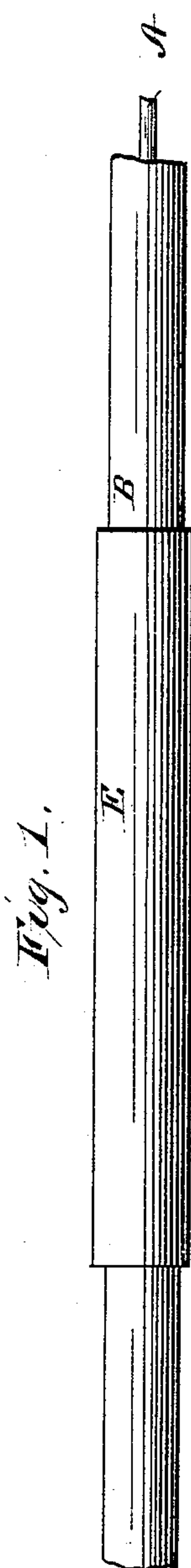
(Model.)

W. H. RIPPARD.

FISHING ROD.

No. 250,842.

Patented Dec. 13, 1881.



Witnesses,
Edwin L. Jewell,
J. J. McCarthy.

Inventor,
William H. Rippard,
by C. M. Alexander,
his Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM H. RIPPARD, OF WESTMINSTER, MARYLAND, ASSIGNOR OF ONE-HALF TO GEORGE S. YINGLING, OF SAME PLACE.

FISHING-ROD.

SPECIFICATION forming part of Letters Patent No. 250,842, dated December 13, 1881.

Application filed October 24, 1881. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM H. RIPPARD, of Westminster, in the county of Carroll, and in the State of Maryland, have invented certain new and useful Improvements in Jointed or other Fishing-Rods; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in the construction of jointed and other fishing-rods; and it has for its objects to provide a stronger, cheaper, and lighter article than heretofore. These objects I attain by the devices illustrated in the accompanying drawings, in which—

Figure 1 represents an elevation of a rod constructed according to my invention; Fig. 2, a view partly in section and partly in elevation, and Fig. 3 represents a longitudinal sectional view of my invention.

In carrying out my invention I construct a fishing-rod, or the sections thereof, with a longitudinal metallic core, A, which is preferably formed of steel wire. The said core may be made tapering from butt to tip of the rod, or the sections thereof, or it may be made uniform throughout its entire length, as may prove most convenient. The metallic core is provided with a covering, B, of rattan, cane, wood, or other vegetable material, which may be made in longitudinal sections glued or cemented together, or may be made in one piece and suitably bored for the reception of the core; or the core may be surrounded, surmounted, or covered

with a layer, of proper thickness, of rubber, which may be vulcanized, or with celluloid, or other similar plastic and elastic material.

In the construction of jointed rods, in order to strengthen the same at the connections, a metallic tube or re-enforce, C, may be employed, in which is adapted to fit the extremities of the cores of the respective sections, as clearly shown in Fig. 3, the ends of the cores being made to project beyond the incasing-covering for the purpose.

In some instances, in a jointed rod, the butt may be provided with a short core, extending only a short distance into it, and projecting to a sufficient distance to enter the re-enforce tube and assist in holding the sections together.

The letter E indicates the usual sleeve secured over the adjoining sections, by which they are held together.

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

In combination with the flexible metallic core and its incasing-covering, the tubular re-enforce adapted to receive the ends of the cores of the respective sections of a jointed rod, and serve, in conjunction with the connecting-sleeves, to hold the parts together, substantially as specified.

In testimony whereof I affix my signature, in presence of two witnesses, this 13th day of October, 1881.

WM. H. RIPPARD.

Witnesses:

JNO. H. MITTEN,

HARRY M. GERNAUD.