(No Model.)

E. M. EDWARDS.

BAMBOO FISHING ROD.

No. 330,572. Patented Nov. 17, 1885.

Fig. 2

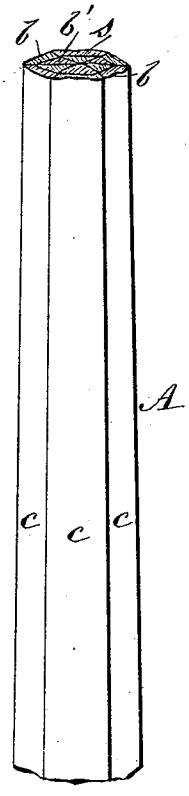


Fig. 1

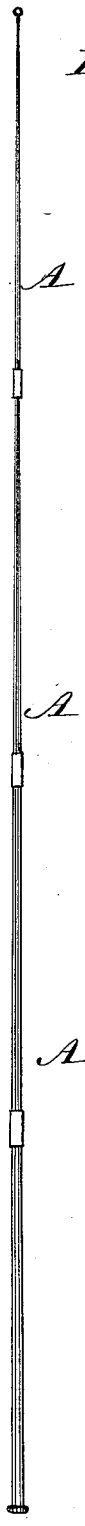


Fig. 4

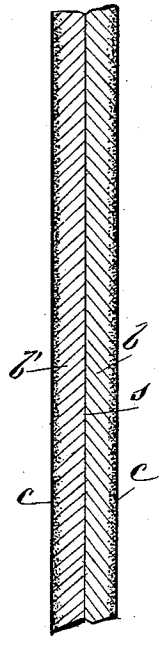


Fig. 3

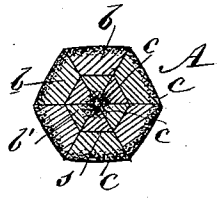
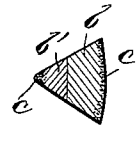


Fig. 5



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EUGENE M. EDWARDS, OF HANCOCK, NEW YORK.

BAMBOO FISHING-ROD.

SPECIFICATION forming part of Letters Patent No. 330,572, dated November 17, 1885.

Application filed October 9, 1885. Serial No. 179,412. (No model.)

To all whom it may concern:

Be it known that I, EUGENE M. EDWARDS, of Hancock, in the county of Delaware and State of New York, have invented a new and useful Improvement in Bamboo Fishing-Rods, of which the following is a full, clear, and exact description.

This invention more especially relates to what has been termed "split-bamboo fishing-rods." Ordinarily these rods are now made from splints cut from selected portions of the stock, of triangular form in transverse section, glued together to form a solid or substantially solid six or other many-sided figure, with the outer shell, coating, or enamel of the bamboo on the exterior. This enamel, which is very thin, gives the main strength, or a considerable portion thereof, to the bamboo, the interior of which as it grows is soft, poor stuff. Availing myself of these facts, I construct the rod of compound strips or splints, each of which is formed by two splints, having the enamel on the one side or face of each of them, and glued together on their opposite unenameled sides or faces, thus making a split-bamboo rod having the enamel on both its inside and outside, thereby giving greatly increased strength; and a fishing-rod thus made will not only be stronger but lighter by its being of less size in transverse section, and yet stronger than the split-bamboo rods as heretofore made—that is, from single splints with the enamel wholly on the outside of the rod; or, as they have sometimes been made, from single splints with the enamel exclusively on the inside.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a longitudinal view of a fishing-rod embodying the invention. Fig. 2 is a longitudinal view upon a larger scale of one of the rod lengths or sections in part; Fig. 3, a transverse section of the rod, or one of its lengths, and Figs. 4 and 5 longitudinal and transverse sections of one of the compound splints.

Each length or section A of the rod is or may be similarly constructed. The peculiarity of the construction consists in building it up of a series of compound splints, *b b'*, of which there may be (six more or less) in the transverse section of the rod, said compound strips being glued or secured together, as usual in split-bamboo rods of ordinary construction—that is, composed of simple or single splints for the purpose of giving to the rod its required shape and size. Each of these compound splints consists of separate pieces or splints, *b b'*, taken from the exterior portion of the stock of the bamboo, retaining the enamel *c* on the one side or face of each of them, and said splints glued together on their opposite unenameled sides or faces, making a close joint, *s*, between them. These compound splints, when cut away at their sides to give them their necessary wedge shape and built up into a rod of approximately circular form, will have the strengthening-enamel *c* on both the inside and outside of the rod, thus giving great strength, and the nearer the small end of the rod the better the material will be, as then more of the soft or inside part will be planed away from the single strips of which the compound strip is composed, and the hard enamel inside and outside of the compound strip be proportionately greater to the soft stuff. Said compound bamboo splints having the enamel on their opposite sides may also be used for other rods or bamboo structures for various purposes.

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

1. A bamboo fishing-rod built up of series of compound bamboo splints having their enamel on their opposite sides or faces, and each composed of two splints glued or cemented together on their sides or faces which are free from the enamel, substantially as specified.

2. The within-described compound bamboo splint having the enamel on its opposite sides or faces, and composed of two splints glued or cemented together on their sides or faces which are free from the enamel, essentially as described.

3. A rod built up of compound bamboo splints having their enamel on their opposite sides or faces, substantially as specified.

EUGENE M. EDWARDS.

Witnesses:
WILLIAM J. WELSH,
WESLEY GOULD.