

No. 863,676.

PATENTED AUG. 20, 1907.

C. A. TREDWELL.
FISHING ROD.

APPLICATION FILED JULY 1, 1907.

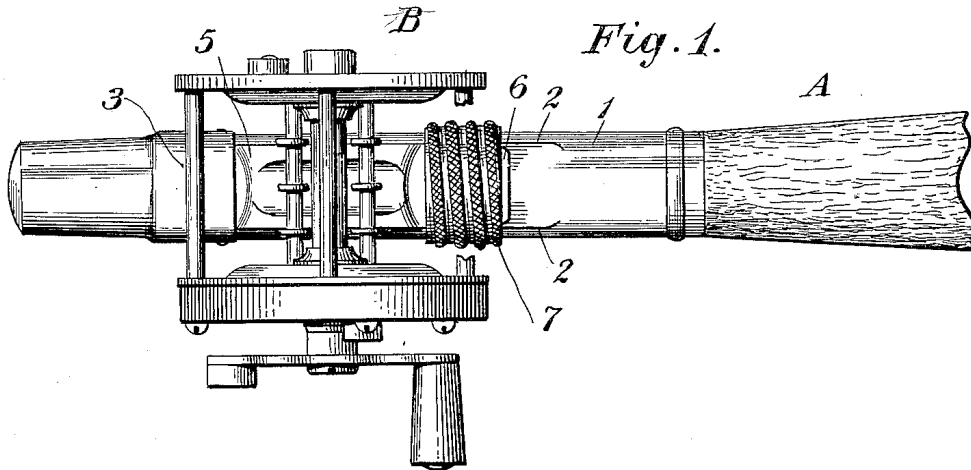


Fig. 1.

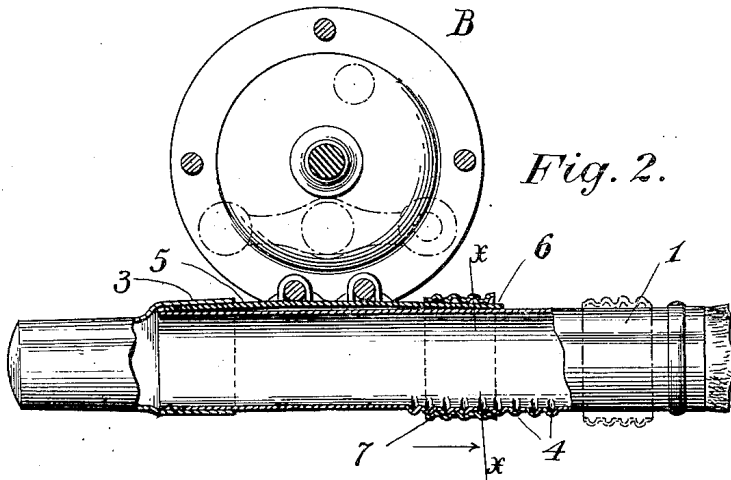


Fig. 2.

Fig. 3.

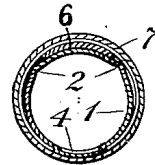
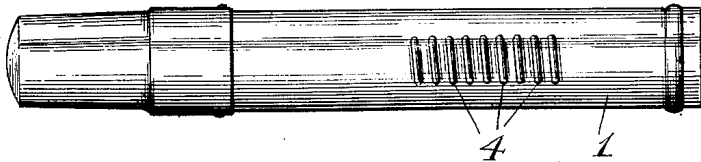


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES A. TREDWELL, OF BRISTOL, CONNECTICUT, ASSIGNOR TO THE HORTON MANUFACTURING COMPANY, OF BRISTOL, CONNECTICUT, A CORPORATION OF CONNECTICUT.

FISHING-ROD.

No. 863,676.

Specification of Letters Patent.

Patented Aug. 20, 1907.

Application filed July 1, 1907. Serial No. 381,666.

To all whom it may concern:

Be it known that I, CHARLES A. TREDWELL, a citizen of the United States, residing at Bristol, county of Hartford, State of Connecticut, have invented a certain new and useful Fishing-Rod, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

10 My present invention relates to improvements in fishing-rods, and more particularly to the means for clamping a reel upon such rod.

My object is to provide a structure which effects secure clamping of the reel by the use of few and simple parts which are inexpensively manufactured; and also to provide a structure whereby the clamping and releasing of the reel can be quickly and easily performed.

To these ends, and also to improve generally upon devices of the character indicated, my invention consists in the various matters hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a top plan view of the butt portion of a fishing-rod having my present invention applied and showing a reel in place; Fig. 2 is a longitudinal, sectional elevation of a portion of the structure shown in Fig. 1, said view illustrating, in broken lines, the clamping-collar in inoperative position; Fig. 3 is a transverse, sectional elevation on about the line $x-x$ of Fig. 2; and Fig. 4 is a bottom view showing the reel-support.

Referring now more particularly to these drawings, A indicates the fishing-rod and B the reel. The fishing-rod has a reel-support 1 provided upon one side with the usual longitudinal ribs 2 for producing a reel-seat, and with the well known socket 3 at one end of said seat. Upon what may be termed the under side of said reel-support and diametrically opposite that portion of the reel-seat removed from said socket 3 are threads 4. The base plate of the reel B is received in the reel-seat between the ribs 2, the end 5 of said base plate being received in said socket 3, and the opposite end 6 being clamped by the threaded clamping-collar 7.

My present invention relates particularly to the threaded clamping-collar 7 and the relationship between said clamping-collar and the reel-support with its threads 4. Said clamping-collar, which is freely rotatable about the reel-support, has its interior diameter throughout its entire inner circumference greater than is the greatest exterior diameter of that portion of the reel-support (including the threads) over which the clamping-collar moves. Thus, when the reel is not

in place the said clamping-collar can slide freely longitudinally along the reel-support and over the said threads 4, as indicated by the broken line position of the clamping-collar in Fig. 2. When, however, the reel is in its seat and the clamping-collar is pushed into engagement with the base plate of the reel, said base plate raises the clamping-collar to bring its threads into engagement with the said threads 4, whereupon rotation of the clamping-collar about the reel-support causes said clamping-collar to be fed freely along the surface of the base plate of the reel until said base plate is firmly locked in position. This described relationship between the clamping-collar and the reel-support permits the clamping-collar to be easily and inexpensively constructed as a simple threaded band of a single diameter which is readily formed from a piece of inexpensive tubing. Furthermore, the heretofore described relatively loose fit of the threaded clamping-collar permits said collar, notwithstanding the threads, to be quickly and easily brought up to or away from the point of engagement with the base plate of the reel at which point the rotation of the clamping-collar takes place, thus expediting the clamping and releasing operations, no rotation of the collar being necessary except when said collar engages the base plate of the reel. The loose fit of the clamping-collar also permits said collar to gradually slide upon the usual inclined outer surface of the base plate of the reel, said collar coming to rest with said base plate firmly wedged between the said collar and the reel-support.

In practice the threads 6 are quickly and inexpensively produced by merely stamping them in the metal of which the reel-support is formed. Preferably these threads extend along only a segmental portion of the reel-support opposite the side upon which the reel is seated, thus leaving what may be termed the top and sides of said reel-support free from threads, whereby the loose fit of the clamping-collar is augmented.

The feature of having the threaded collar freely slidable longitudinally over the threads of the reel-support affords all the advantages of a thread lock for the reel and permits simple and inexpensive manufacture and assembling together with rapid and satisfactory clamping and releasing of the reel.

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

1. In a fishing-rod, the combination with a reel-support provided with threads, of a clamping-collar encircling said support and having threads cooperating with said first mentioned threads, the interior diameter of said clamping-collar throughout its entire inner circumference being greater than the diameter of the collar-receiving portion of said reel-support including said threads, whereby said

threaded clamping-collar can freely slide longitudinally over said threads of said reel-support; substantially as described.

2. In a fishing-rod, the combination with a reel-support provided with a reel-seat and having the segment diametrically opposite one end of said seat provided with threads, of a socket at the other end of said reel-seat and adapted to receive the base plate of the reel, and a threaded clamping-collar freely rotatable about said support and adapted to engage the base plate of the reel, the threads of said collar cooperating with said threads

of said support but said collar being of such diameter relative to said support that said collar can slide longitudinally over said threads when the reel is not upon its seat; substantially as described.

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

CHARLES A. TREDWELL.

Witnesses:

GALES P. MOORE,
ALICE E. BROWN.