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Perkins
Francis J. Perkins

Benjamin O. Bush

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John W. Davis

Attorney

UNITED STATES PATENT OFFICE.

BENJAMIN O. BUSH, OF KALAMAZOO, MICHIGAN, ASSIGNOR TO GEORGE W. UPTON,
OF WARREN, OHIO.

REEL-CLAMP FOR FISHING-RODS.

950,656.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BENJAMIN O. BUSH, of Kalamazoo, in the county of Kalamazoo and State of Michigan, have invented certain new and useful Improvements in Reel-Clamps for 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.

The primary objects of this invention are to greatly reduce the weight of the handle and shorten the length of the reel-seat so that an angler, in casting, will grasp only the cork or fibrous handle and avoid taking hold the slippery metal.

A further object is to lessen the distance the clamping band has to be moved in order to lock the reel cross plate to its seat. And further objects are to provide a finger pull so shaped that a line cannot catch thereon; to provide improved means for locking the clamping band; and also to provide a stop, preferably adjustable, for the end of the reel cross-plate for adding to the rigidity of the reel.

The invention will be hereinafter fully set forth and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation. Fig. 2 shows the stop removed. Fig. 3 is a modification. Fig. 4 is a view in perspective of the clamping band, Fig. 1. Fig. 5 is a similar view of the band, Fig. 3. Fig. 6 is a cross sectional view on line *a-a*, Fig. 3.

Referring to the drawings, 1 designates the handle which is preferably equipped with the ordinary sleeve having reel seat 2. 3 is a cap at the inner end of the seat forming a pocket for one end of the cross-plate 4 of the reel (shown in dotted lines, Fig. 1.) At the outer end of the reel seat is a stop 5 for the other end of cross-plate 4 to abut against. I have shown this stop in Figs. 1 and 2 as adjustable by a screw 6 working through a central slot, but in cheap rods this stop may be formed by striking up a piece of the metal, as at 5', Fig. 3.

The clamp is shown in the form of a split band 7 and a ring 8, or, otherwise expressed, the clamp consists of a partly-split band, the split running longitudinally but stopping short of one end. In any event, the

band is slightly bent outward adjacent to its split, so as to form practically a convolute as distinguished from a perfect circle. In consequence the end of the reel cross-plate if placed on the concentric portion of the band will be encircled by turning the latter until its slightly-deflected portion passes over the cross-plate. Then it is only necessary to move the band longitudinally of its axis and upon the cross-plate, the extent of the width of the ring 7 or the unsplit portion of the band in order to tightly lock such cross plate in position. The end of the concentric portion of the band, adjacent to the split, is preferably formed with teeth 9 which by engaging teeth 10 on the seat-sleeve, will insure the locking of the band as against accidental displacement.

12 is a finger-pull which I have shown in Fig. 1 as extending from the lower side of the clamping-band when the latter is locked. This finger-pull is of concavo-convex formation, its convexed side being forward. Its lower edge is rounded. By this formation a line cannot catch upon the finger-pull. By securing the latter on the band, the strength of such band is greatly increased, but if preferred it may be secured to the seat-sleeve at the inner end thereof, or to the ring or ferrule which forms the cap 3.

While I have described the preferred form of embodiment of my invention, it will be understood that changes may be made without departing from its scope. For instance, if desired the locking teeth for the clamp may be omitted. (see Figs. 3 and 5) since with the aid of stop 5 such clamp will sufficiently bind the reel cross-plate to lock it in position. Then, too, the locations of the cap and the clamp may be reversed, and the deflected end of the clamp band may be reinforced as shown at 13, Fig. 5.

The advantages of my invention are apparent. By reducing the quantity of metal required for seating the reel, not only is the weight of the rod lessened, but the angler's hand, in casting, will grasp only the cork or fiber of the handle. This reduction in the metal is largely due to the use of the partly-split clamp which needs to be moved only the extent of its solid portion to bind the reel to its seat.

I claim as my invention:

1. In a reel clamp, in combination, a reel-seat, a fixed cap at one end of such seat for

receiving one end of a reel cross plate, and a clamp at the other end of such seat composed of a split band, the split extending longitudinally from one end of the band to near the other end thereof, said split being
5 designed to receive a reel cross plate.

2. In a reel clamp, in combination, a reel-seat, a fixed cap at one end thereof, and a clamp at the other end of such seat composed of a split band and a ring carried by
10 the band, the split extending longitudinally from one end of the band to said ring, said split being designed to receive a reel cross plate.

3. In a reel clamp, in combination, a reel-seat, a cap at one end thereof, and a clamp at the other end of such seat composed of a partly-split band slightly bent outward at
15 one side of the split.

4. In a reel clamp, in combination, a reel-seat, a cap at one end thereof, a clamp at the other end of such seat composed of a split band and a ring carried by the band, such band being slightly bent outward at
20 one side of the split.

5. In a reel clamp, in combination, a reel-seat, a cap at one end thereof, a clamp at the other end of such seat composed of a split band, the split extending longitudinally
25 from one end of the band to near the other end thereof, such band at one side of the split being slightly bent outward, and means coöperating with said clamp for locking it in place.

6. In a reel clamp, in combination, a
35 sleeve, a reel-seat thereon, a cap at one end

of such seat, teeth on said sleeve, and a clamp at the other end of the seat having a band split at one of its edges, the split being formed to receive a reel cross plate,
40 and teeth at one end of such band for engaging the teeth on the sleeve.

7. In a reel clamp, in combination, a sleeve, a reel-seat thereon, a cap at one end of such seat, a stop at the other end of the seat, and a clamp composed of a partly-split
45 band.

8. In a reel clamp, in combination, a sleeve, a reel-seat thereon, a cap at one end of such seat, an adjustable stop at the other end of the seat, and a clamp composed of a partly-split band.
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9. In a reel clamp, in combination, a reel-seat, means for engaging and holding a reel thereon, and a finger-pull of concavo-convex
55 formation rounded along its lower edge, said finger pull being located near one end of the clamp on the side thereof opposite to the reel seat.

10. In a reel clamp, in combination, a reel-seat, a cap at one end of such seat, a clamping band at the other end, and a finger-pull
60 extended from such band, such finger-pull being of concavo-convex formation and rounded along its lower edge.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.
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BENJAMIN O. BUSH.

Witnesses:

EDWIN W. VOSBURG,
JANE R. BOEKELOO.