H. KENWARD.

BASS REEL.

APPLICATION FILED AUG. 26, 1910.

996,258.

Patented June 27, 1911.

Fig. 1.

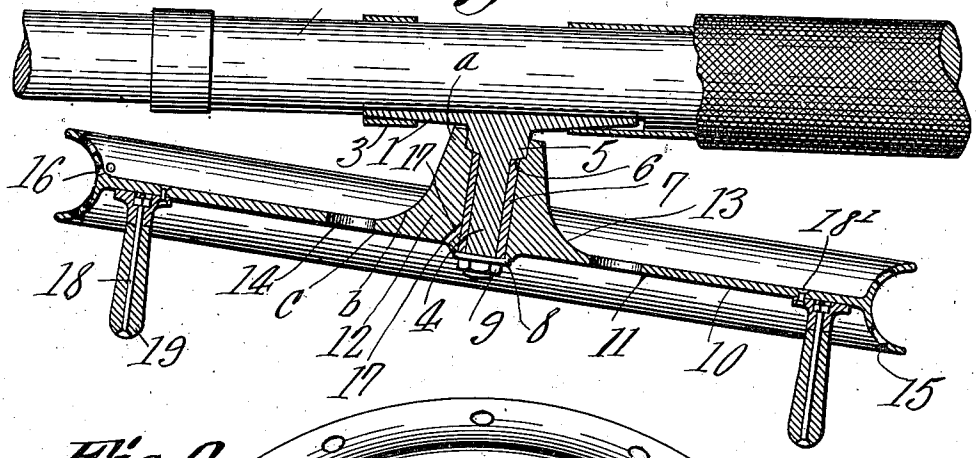
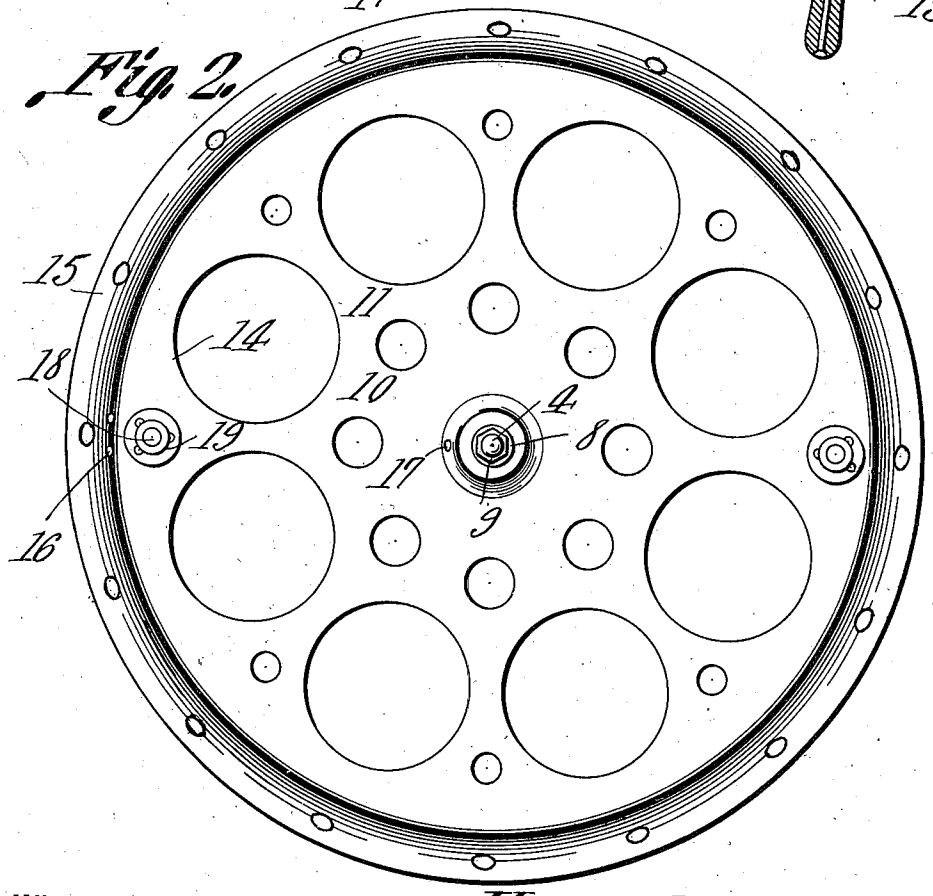


Fig. 2.



Witnesses

J. Tomlin

M. E. Tracey.

Henry Kenward. Inventor

by C. A. Snow & Co.

Attorneys

UNITED STATES PATENT OFFICE.

HENRY KENWARD, OF JONESBORO, ARKANSAS.

BASS-REEL.

996,258. Specification of Letters Patent. Patented June 27, 1911.

Application filed August 26, 1910. Serial No. 579,004.

To all whom it may concern:

Be it known that I, HENRY KENWARD, a citizen of the United States, residing at Jonesboro, in the county of Craighead and State of Arkansas, have invented a new and useful Bass-Reel, of which the following is a specification.

This invention has relation to reels especially adapted to be used for bass fishing and consists in the novel construction and arrangement of its parts as hereinafter shown, described and claimed.

The object of the invention is to provide in a reel structure a rotor having upon one side an abnormally projecting hub which is especially adapted to be used as a brake for controlling the rotary movement of the rotor when the line is cast. An advantage gained by so constructing the rotor is that the rod and the reel may be held and controlled in the one hand, leaving the other hand free for other purposes.

A further object of the invention is to so construct and assemble the parts that a rotor of unusual diameter may be employed without adding materially to the weight of the reel.

In the accompanying drawings:—Figure 1 is a plan view of a portion of a rod showing the reel applied thereto and in section. Fig. 2 is a side elevation of the rotor.

The reel includes an attaching plate 1 which is adapted to be applied to the side of a rod 2 and which is secured in position thereon by means of a ring 3 or equivalent securing device. A spindle 4 projects from the plate 1 and the axis of the said spindle is pitched at an acute angle to the bearing surface of the plate. The inner portion of the spindle 4 is of greater diameter as at 5 than the outer portion of the said spindle forming a shoulder 6. A sleeve 7 is journaled upon the outer portion of the spindle 4 and the inner end of the said sleeve abuts against the shoulder 6. A washer 8 is located upon the outer portion of the spindle 4 and is held in position thereon by means of a nut 9 which is screw-threaded upon the outer extremity of said spindle.

The reel also includes a rotor 10 which is preferably made of aluminum or other light metal comprising a thin, light, flat web 11 and a dished rim 15, and the said rotor 10 is provided at the center of its web 11 and at one side thereof with a prolonged and substantially conical hub 12 having a dished outer annular surface 13 which merges at the base of the cone into one of the faces of the web 11. The web 11 of the rotor is provided with a number of openings 14 which tend to reduce the weight of the reel. A dished rim 15 is formed at the periphery of the web 11 of the rotor 10 and is provided with one or more perforations 16 in which the end of a line may be secured. The conical hub 12 is journaled upon the sleeve 7 than which it is longer and the inner end portion of the said hub extends over the inner portion 5 of the spindle 4.

Studs 18 are riveted at 18′ to the outer face of the web 11 of the rotor 10 and handles 19 are journaled upon the said studs. The said studs 18 are two in number and located at the diametrical opposite sides of the said rotor 10 so as to balance it. The rotor 10 is provided in the vicinity of its center and leading obliquely through the hub 12 from its outer side, with an oil hole 17 in communication with the interior of the hub and through which oil may be passed to the sleeve 7 and the adjacent parts of the reel.

The reel is operated as follows:—Presuming that a line is wound about the rotor 10 and within the annular groove 15 thereof and it is desired to cast the line a distance of approximately 30 or 40 feet; when the cast is made, the rotor 10 will revolve at a comparatively slow rate of speed and the operator may check the rotation of the rotor 10 by placing his thumb upon the smaller portion of the dished surface 13 of the hub 12 at or about the point *a*. Thus the rotation of the rotor 10 is easily stopped. If however it is desired to cast the bait and the line a distance of approximately 50 to 75 feet, when the cast is made the operator will check the rotation of the rotor 10 by placing his thumb on the large portion of the surface 13 approximately at the point *b*. As the hub is of greater diameter at the line or point *b* than it is at the line or point *a* the rotor will be easily stopped notwithstanding the fact that it is subjected to greater momentum by reason of additional force in casting the line a greater distance. In making a cast of the line for a distance of approximately one hundred or one hundred

and fifty feet the rotor 10 assumes a high rate of rotary speed and is sometimes difficult to check and control. In this case the operator places his thumb upon the side of the web 11 still farther from the axis and approximately at the point *c* and his forefinger upon any part of the hub 12 between the ends thereof. Thus the thumb and forefinger may be employed for checking the movement of the rotor and for interrupting the rotation of the same. By reason of the fact that the spindle 4 is so positioned that its axis is at an acute angle to the bearing surface of the plate 1, that portion of the periphery of the rotor 10 from which the line passes is in close proximity to the rod 2 and the line is directed along the rod while that portion of the periphery of the rotor 10 adjacent the hand of the operator is sufficiently spaced from the rod 2 to permit the operator to grasp and to manipulate the reel in the manner indicated herein.

Having described the invention what I claim as new and desire to secure by Letters Patent is.

A fishing reel comprising an attaching plate provided with a spindle arranged obliquely thereto and having a shoulder adjacent to its inner end, a sleeve on the spindle bearing at its inner end against the shoulder and terminating with the outer end of the spindle, a rotor embodying a counterbored conical hub engaging the sleeve and the shoulder, a thin web and a dished rim, the base of the hub being disposed against the web to provide space for the insertion of the thumb of the user between the web and the attaching plate, and means for holding the rotor and spindle assembled.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HENRY KENWARD.

Witnesses:

HENKEL PEWETT,

J. T. ELROD.