H. O. BARRY.

FISHERMAN'S REEL.

APPLICATION FILED APR. 22, 1919.

1,333,697. Patented Mar. 16, 1920.

Fig. 2.

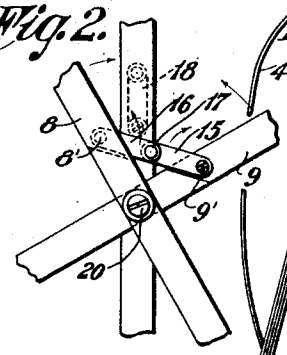


Fig. 1.

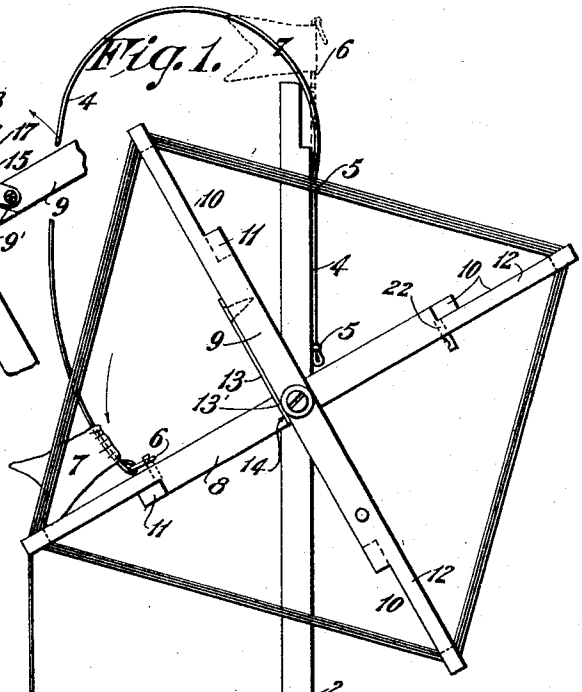


Fig. 3.

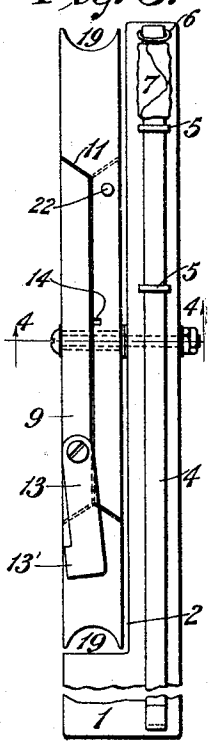


Fig. 4.



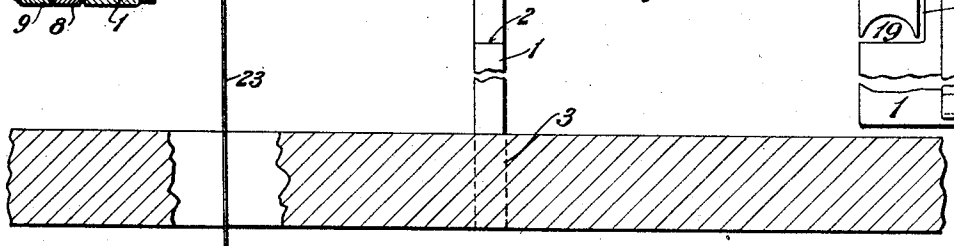


Fig. 5.

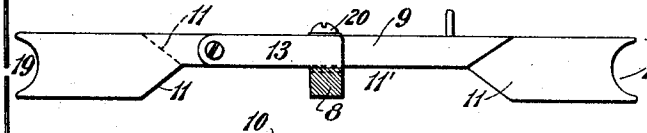


Fig. 6.

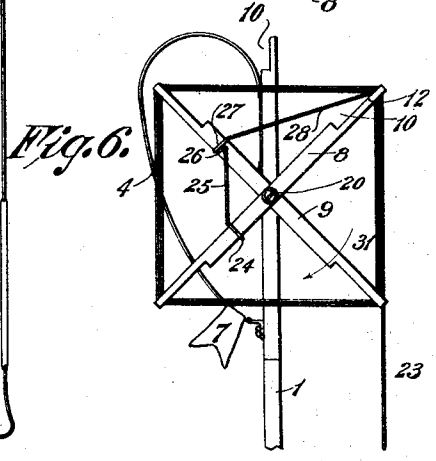
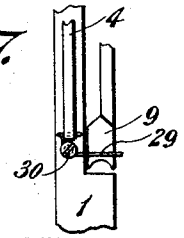


Fig. 7.



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FISHERMAN'S REEL.

1,333,697. Specification of Letters Patent. Patented Mar. 16, 1920.

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To all whom it may concern:

Be it known that I, HENRY O. BARRY, citizen of the United States of America, residing at Springfield, in the county of Hampden and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Fishermen's Reels, of which the following is a specification.

This invention relates to improvements in a fisherman's reel of the kind in which is rotatably secured to the standard that is usually temporarily secured in the ice and having a line coiled thereon and suitable means for holding the reel open or extended. The reel is so constructed that when in folded position it is of the same thickness as the standard. Suitable means is also provided for temporarily holding the reel in a locked or latched position and for tripping or releasing the same when the bait is taken.

Referring to the drawings:

Figure 1 is a side elevational view of the improvement with the reel in an extended position showing the same temporarily locked against movement by means of a tell-tale device, also showing the manner in which the arms of the reel are constructed so as to fit together when closed, as shown in Fig. 3.

Fig. 2 is a detail view showing one way of holding the arms of the reel open and in dotted lines showing the holding device closed.

Fig. 3 is a side elevational view in which the reel is shown closed.

Fig. 4 is a transverse sectional view on the line 4—4 of Fig. 3, showing the construction of the pivotal connection of the reel to the standard.

Fig. 5 is a detail view of one of the arms of the reel.

Fig. 6 is a modification of the construction shown in Fig. 1 in which the arms are held extended or locked by means of the line.

Fig. 7 is a detail view of the trip mechanism of the construction shown in Fig. 6.

Referring to the drawings in detail; 1 indicates a standard which is temporarily secured in the ice indicated at 3 when the reel is in use. 2 is a cut away portion of the standard. Secured to the standard 1 by means of the staples 5 is a flexible steel spring 4, whereby the spring can be slid along the standard to the folded position as indicated in Fig. 3. The upper end of the spring is provided with a ring 6 and also a tell-tale or flag 7.

Referring to the construction of the reel, as shown in Fig. 1 the two members 8 and 9 of which are exactly alike, and having their end portions cut away as shown at 10 and with inclined shoulder portions 11, whereby when the reel is folded the cut away portions will fit together and equal the thickness of the arms 8 and 9. The thickness of the cut away portion 10 as shown, is equal to the integral part 12. In order to maintain the arms extended, a latch 13 with a lip 13′ is provided which is pivoted to one of the arms as 9. The other arm is formed with a kerf or cut away portion as indicated at 14. The lip 13′ of the latch is shown engaging this kerf in Fig. 1 to hold the arms in open position. When the latch is turned out of the kerf 14, the arms can be folded together as shown in Fig. 3. As a modification for holding the arms extended, toggle links 15 and 16, shown in Fig. 2, are used, the ends of which are pivotally connected to the arms 8 and 9 shown at 8′ and 9′. These are connected together as indicated at 17. When they are folded the links pass by each other into the position shown in dotted lines at 18.

Referring to Fig. 5, which is a detail view of the members of the reel, both of which are alike, it is noted this figure shows a side view with the shoulder portions 11 and between these shoulder portions the material is removed as indicated at 11′. Two of these arms will accurately fit together as shown in Fig. 3. 19 indicates the notched ends of the reel members for receiving the fish line. The reel is pivotally secured to the standard 1 by means of the bolt 20, which passes through a sleeve 21 of the members of the reel, whereby a loose running fit is provided and one that will not freeze or become inoperative in cold weather. For the purpose of holding the reel stationary, after the reel is set, the ring 6 of the spring 4 is caught on the pin 22 as shown in Fig. 1, whereby when a downward pull on the line 23 is made, the reel will be unlatched, the resiliency of the spring causing the spring to fly upward to indicate that the bait has been taken.

Referring to the construction shown in Fig. 6, the arm or members 8 and 9 of the reel are constructed the same as those shown

in Figs. 1, 2, 3, and 5. Instead of employing the latch 13 or the toggle links 15 and 16, the arms of the reel are held open by means of the fish line, one end of which is attached to the arm 8 as indicated at 24. This is passed to the next arm as indicated by the strand at 25, where it extends through an opening 26 and is then carried around the arm 9 as shown at 27. It then extends, as indicated by the numeral 28, to the outer end of the arm 8 and thence around the outer ends of the reel as shown. For the purpose of holding the reel in a set position, the end of the spring 4 is provided with an angular shaped piece of wire 29, which is locked under the head of a pin or screw 30 in the standard 1. When the reel is rotated in the direction of the arrow 31, the wire 29 is unlatched from the head of the screw 30 and the spring 4 flies upward, permitting the reel to turn freely on its bolt 20.

It will be seen from this description that the reel is one that can be readily extended or held locked in the open position, also when it is closed, as shown in Fig. 3, the arms fit together so that they will occupy the cut out portion 2 of the standard and are of a thickness equal to that of the standard 1 since the ends are cut away as indicated at 10, the cut away part and the integral part fitting together as shown in Fig. 3.

What I claim is:

1. In a fisherman's reel, the combination, of a standard, means for pivotally connecting the reel to the standard, said reel being formed with a plurality of members that are secured together by means of said pivot, the outer ends of the arms having cut-away portions in a lateral direction that fit together when the reel is folded to form a member of equal thickness throughout and means for holding the reel in its open or set position.

2. In a fisherman's reel, a standard, reel members pivoted thereto, means for holding the members extended consisting in attaching one end of the line to one of the reel members, and a portion adjacent said end to the next reel member, said line being wound around the ends of the reel members, as described.

HENRY O. BARRY.