No. 720,136. PATENTED FEB. 10, 1903.

J. HALLIRAN.

FISH HOOK RELEASER.

APPLICATION FILED MAY 5, 1902.

NO MODEL.

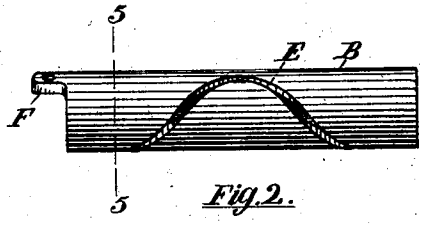


Fig. 2.

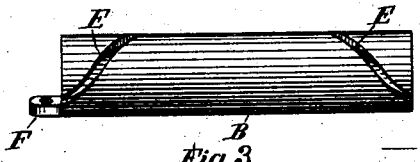


Fig. 3.

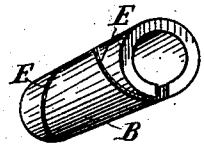


Fig. 4.

Fig. 1.

Fig. 5.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN HALLIRAN, OF GRAND RAPIDS, MICHIGAN.

FISH-HOOK RELEASER.

SPECIFICATION forming part of Letters Patent No. 720,136, dated February 10, 1903.

Application filed May 5, 1902. Serial No. 106,001. (No model.)

To all whom it may concern:

Be it known that I, JOHN HALLIRAN, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Fish-Hook Releasers; 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.

My invention relates to improvements in fish-hook releasers, and its object is to provide means whereby a fish-hook may be released when the same is caught in any obstruction and to provide the same with certain new and useful features hereinafter more fully described, and particularly pointed out in the claims.

My invention consists, essentially, in a heavy body or weight, preferably of metal, adapted to be attached to a fish-line and to traverse the same by gravity, and a suitable line or cord attached to the said weight, by which the weight may be drawn upward on the fish-line and allowed again to traverse the same, whereby a series of blows may be delivered upon the hook if necessary to release the same, as will more fully appear by reference to the accompanying drawings, in which—

Figure 1 is a perspective illustrating the operation of my device; Fig. 2, an enlarged detail of the weight in side elevation; Fig. 3, the same, showing the opposite side thereof; Fig. 4, a perspective of the same, and Fig. 5 a transverse section on the line 5 5 of Fig. 2.

Like letters refer to like parts in all of the figures.

A represents a fish-hook attached to a sunken log; B, a tubular weight adapted to slide down the line C and pass over the sinker thereon.

D is a second line attached to the weight B, whereby the same may be drawn up along the fish-line C and allowed to descend as often as may be necessary to release the hook A.

To readily attach and detach the weight B to the line C, said weight is provided with an opening E in its side, extending from end to end thereof. To render the weight less liable to become detached, this slot is made spiral. The direction of the spiral is also reversed near the middle of the weight, and at one end of the weight and in line with the uncut portion of the weight is an eye F to attach the line D. The portion of the weight in line with this eye being undivided by the slot E is adapted to deliver a more forcible blow when it strikes the hook A than if it were more yielding by dividing the same.

I do not limit my invention to the specific means for attaching the weight to the line. Obviously various modifications may be adopted without departing from the invention.

By the foregoing description the operation of my device will be readily understood. Whenever by any chance the hook A becomes engaged with any obstacle, the line C, attached to the same, is passed through the slot or opening E into the interior of the tubular weight B, which weight will then slide down the line C and passing over the sinker attached to the same will strike against the bent portion of the hook A close to its point of engagement with the obstruction, and thus release the hook. Should the first blow be insufficient to release the hook, the weight B can be drawn up the line C by means of the cord D and again sent down as often as may be necessary until the hook is hammered loose thereby.

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

1. Means for releasing a fish-hook, consisting of a weight adapted to be temporarily and detachably connected to the fish-line, and to slide down the same and to pass over the sinker and strike against the hook, substantially as described.

2. A weight for releasing a fish-hook, consisting of a tubular body having an opening larger than the sinker and a slot or opening in its side and extending from end to end thereof, whereby the weight may be temporarily attached to a fish-line and allowed to traverse the same, substantially as described.

3. A weight for releasing a fish-hook, consisting of a tubular body having a central opening larger than the sinker and a spiral slot extending from end to end thereof, where-

by the weight may be temporarily attached to a line and allowed to slide down the same and pass over the sinker and engage the hook.

4. In combination with a weight adapted to be attached to a fish-line and to traverse the same and to freely pass the sinker and engage the hook, a cord attached to the weight, whereby the weight may be drawn up and allowed to retraverse the line, substantially as described.

5. The combination of a tubular weight having a spiral opening extending from end to end thereof and a cord attached to the weight, substantially as described.

6. A weight for releasing a fish-hook, consisting of a tubular body having a spiral opening extending from end to end thereof, said spiral opening reversed in its direction near the middle of the body, substantially as described.

7. In combination with a fish hook and line, a tubular weight having a spiral opening extending from end to end thereof, whereby it is adapted to be attached to the line and to traverse the same, and a cord attached to the weight, substantially as described.

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

JOHN HALLIRAN.

Witnesses:

LUTHER V. MOULTON,

PALMER A. JONES.