

E. E. NELSON.
 DEVICE FOR HOOKING FISH.
 APPLICATION FILED AUG. 3, 1911.

1,012,899.

Patented Dec. 26, 1911

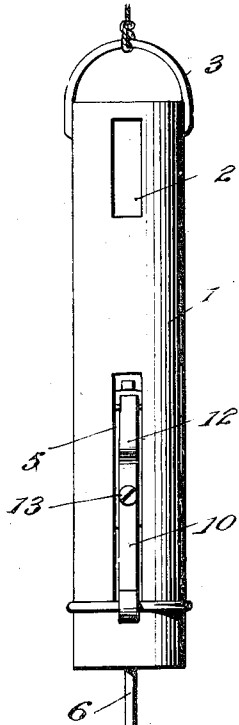


FIG. 1.

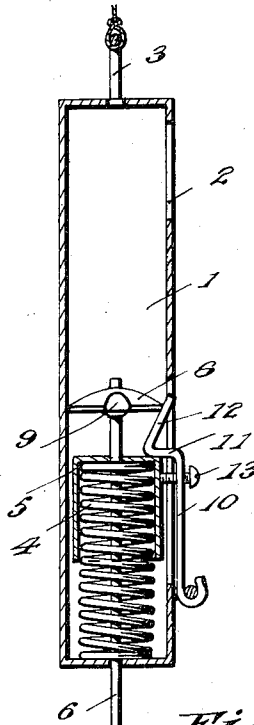


FIG. 2.

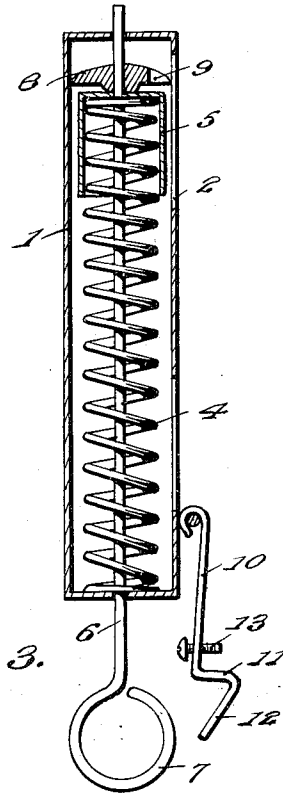


FIG. 3.

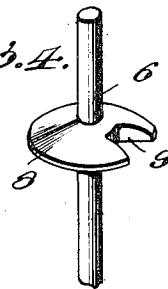


FIG. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

EDWARD E. NELSON, OF FILLMORE, ILLINOIS, ASSIGNOR OF ONE-FOURTH TO EDGAR GRIGG AND ONE-FOURTH TO HENRY C. HILL, BOTH OF FILLMORE, ILLINOIS.

DEVICE FOR HOOKING FISH.

1,012,899.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWARD E. NELSON, a citizen of the United States, residing at Fillmore, in the county of Montgomery and State of Illinois, have invented certain new and useful Improvements in Devices for Hooking Fish, of which the following is a specification.

This invention has relation to devices for hooking fish, and has for its object to provide a simple device including a slotted cylinder having a spring actuated plunger located therein, with a trigger pivotally mounted upon the cylinder and adapted to engage the plunger to hold the same in retracted position against the tension of the spring. A rod is slidably mounted in the cylinder and is provided with an eye to which the hook line is attached. At its inner end the rod carries a disk which is adapted to operate against the end of the plunger, said disk being provided at one side with a recess through which the trigger may pass when it engages the plunger. Means is provided for adjusting the extent to which the trigger will engage the plunger so that the device may be made easy or hard to operate, as desired.

For a full understanding of the invention reference is to be had to the following description and accompanying drawing, in which:

Figure 1 is a side elevation of the device; Fig. 2 is a vertical sectional view of the same showing the parts set; Fig. 3 is a similar view showing the parts retracted; and Fig. 4 is a perspective view of a disk and a portion of a rod used in the device.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawing by the same reference characters.

The device includes a cylinder 1 having at one side an elongated slot 2. The cylinder is provided at one end with a bail 3 to which a supporting line may be attached. A coiled spring 4 is housed in the lower portion of the cylinder 1 and bears at its upper end against a plunger 5 which is slidably mounted within the cylinder. A rod 6 passes through the lower end of the cylinder 1 and is slidably mounted therein. The said rod also traverses the length of the spring 4 and is provided at its lower end with an eye 7 to which a hook line may be attached. A

disk 8 is housed within the upper portion of the cylinder 1 and is fixed to the upper end of the rod 6. This disk is provided in its side with a recess 9. A trigger 10 is pivoted to the lower end portion of the cylinder 1 and is provided at its free end portion with a shoulder 11 and an extremity 12 which is disposed at an acute angle to the shoulder 11. The trigger 10 is also provided with a set screw 13 which passes through the said trigger and may be adjustably positioned therein. The inner end of the set screw is adapted to rest against the side of the plunger 5 when the device is set.

To set the device the rod 6 is turned in the cylinder 1 until the recess 9 carried by the disk 8 is brought into register with the slot 2. The rod 6 is then pulled in a direction away from the cylinder 1 which compresses the spring 4 and moves the plunger 5 down toward the trigger 10. When the plunger 5 passes beyond the shoulder 11 of the said trigger, the said shoulder will fall over the upper edge of the plunger and engage the same through the recess 9 in the disk 8. Thus the plunger 5 is held in retracted position against the tension of the spring 4. The rod 6 is then pushed in an upward direction which carries the disk 8 above the extremity 12 of the trigger 10. The rod 6 is then partially rotated which moves the recess 9 of the disk 8 from over the shoulder 11 and the extremity 12 of the trigger 10 and positions a solid portion of the said disk over the extremity 12 of the said trigger. The rod 6 is then permitted to gravitate so that the solid portion of the disk 8 rests directly against the angularly disposed extremity 12 of the trigger 10. When the parts are so positioned, as described, and a fish tugs at the hook on the line carried by the eye 7, the rod 6 will be moved in a downward direction, whereby the edge portion of the disk 8 which is in engagement with the extremity 12 of the trigger 10 will force the upper end of the said trigger in an outward direction so that the shoulder 11 is carried from over the upper edge of the plunger 5. The tension of the spring 4 then moves the plunger 5 swiftly in an upward direction which carries with it the rod 6, and the line attached to the said rod is moved longitudinally, whereby the fish is hooked. When the plunger 5 is retained in a retracted position

by the trigger 10, the set screw 13 carried by the said trigger will lie directly against the side of the said plunger, and by adjusting the said set screw transversely with relation to the trigger 10 the shoulder 11 may
5 be caused to project more or less over the end of the plunger so that the device may be made to operate easily or with more or less difficulty, as desired.

10 Having thus described the invention, what is claimed as new is:

1. A hooking device comprising a body having in its side a slot, a spring actuated plunger mounted in the body, a trigger pivoted to the body and having a shoulder and
15 an extremity disposed at an acute angle to the shoulder, said shoulder adapted to engage the end of the plunger through the slot, a rod slidably entering the body, and
20 a disk fixed to the said rod and provided at its edge with a recess, said disk adapted to encounter the end of the plunger and also adapted to encounter the angularly disposed extremity of the trigger.

2. A hooking device comprising a body 25 provided in its side with a slot, a resiliently supported plunger slidably mounted in the body, a trigger pivoted to the body and having a shoulder and an extremity disposed at an acute angle to the shoulder, said
30 shoulder adapted to engage the end of the plunger through the slot, means carried by the trigger and engageable with the side of the plunger and adapted to be adjusted to regulate the extent to which the shoulder 35 will extend over the end of the plunger, a rod slidably entering the body, and a disk carried at the inner end of the rod and provided with a peripheral recess, said disk adapted to encounter the end of the plunger 40 and the angularly disposed extremity of the trigger.

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

EDWARD E. NELSON. [L. s.]

Witnesses:

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