

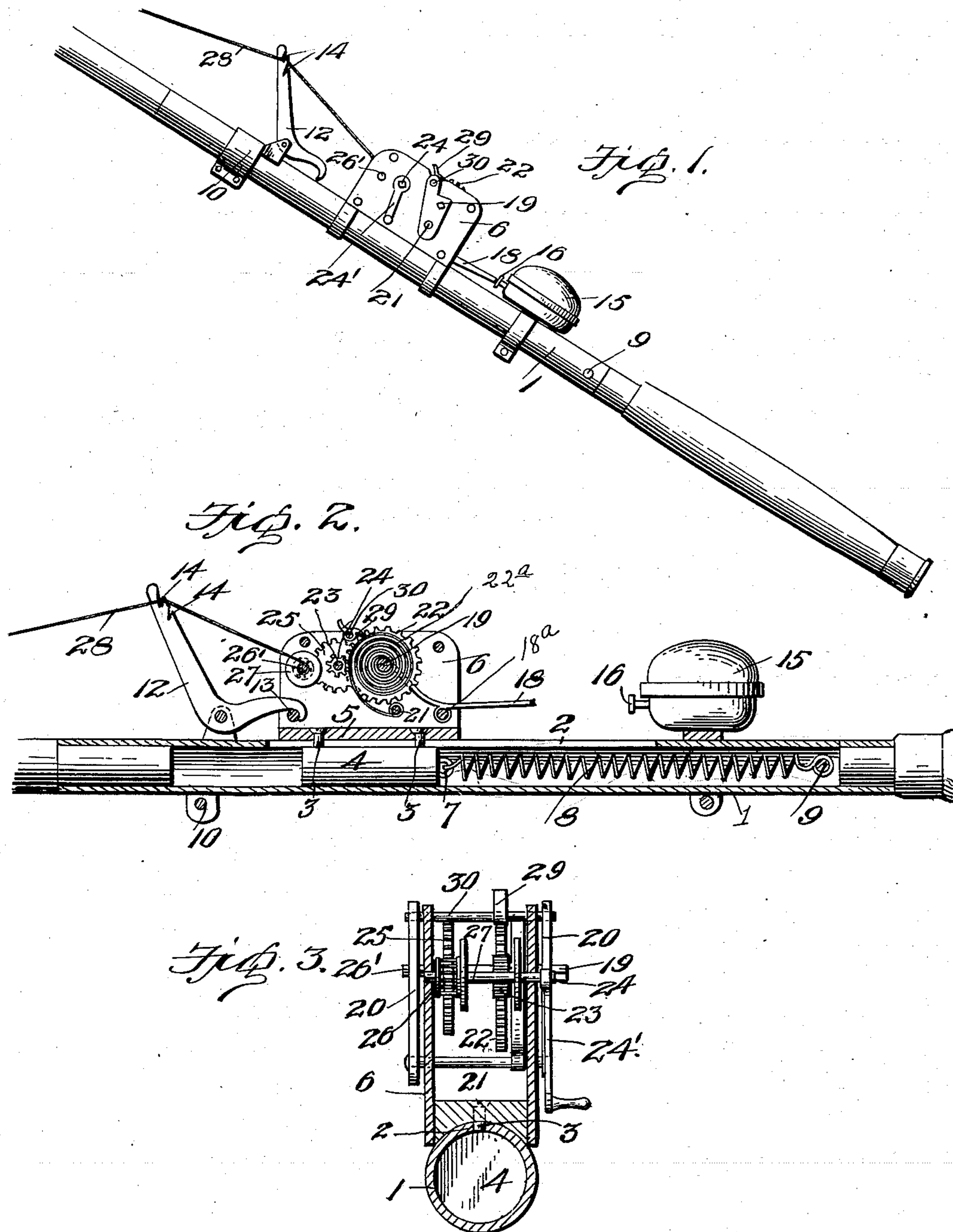
No. 657,518.

Patented Sept. 11, 1900.

G. COOK.  
AUTOMATIC FISHING DEVICE.

(Application filed Oct. 10, 1899.)

(No Model.)



Witnesses  
*C. E. Hunt*  
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# UNITED STATES PATENT OFFICE.

GEORGE COOK, OF LOUISVILLE, KENTUCKY.

## AUTOMATIC FISHING DEVICE.

SPECIFICATION forming part of Letters Patent No. 657,518, dated September 11, 1900.

Application filed October 10, 1899. Serial No. 733,168. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE COOK, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Automatic Fishing Devices; and I do 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 automatic fishing-reels, and more particularly to that class of which Letters Patent No. 625,829, dated May 30, 1899, may be taken as the type, and the object is to simplify and improve the construction and increase the efficiency of the device.

To this end the invention consists in the construction, combination, and arrangement of the several elements of the device, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference characters indicate the same parts of the device.

Figure 1 is a perspective view of my improved fishing-reel as it appears in use on a fishing-rod. Fig. 2 is a longitudinal view through the center of the pole. Fig. 3 is a transverse section of the same.

1 denotes a section of tubing which is inserted between the handle and the contiguous joint of the pole, and it is provided with a longitudinal guide-slot 2 to receive the screws 3 3, which connect the plunger 4 with the base-piece 5 of the casing 6, and 7 denotes a staple fixed in the end of the plunger from which a helical spring 8 extends to a transverse pin 9, fixed in the tube 1.

10 denotes a clamp-bracket adjustably secured to the tube 1, and in its upper end is fulcrumed a trigger 12, the curved shorter arm of which is adapted to engage the casing-post 13, and the longer arm is provided with the notches 14 14 to receive the fishing-line 28.

15 denotes a continuous-ringing bell which is adjustably clamped to the tube 1, and its spring-actuated hammer is held in check normally by a push-pin 16, which projects into the path of an arm 18, fixed upon a transverse shaft 18<sup>a</sup>, seated in the walls of the cas-

ing 6 a short distance above the rear end of said casing 6. The arm 18 extends rearwardly from the rear end of the casing 6, so that when the helical spring 8 is permitted to act upon the casing after the lever 12 has been disengaged from the casing-post 13 the casing will be drawn rearwardly by the retracting-spring 8, thereby bringing the arm 18 in contact with the push-pin 16, and thereby set the bell 15 to ringing. As soon as the attendant hears the alarm, which signifies to him that a fish has been hooked, he approaches the automatic device, if he be absent from the same, and loosens or frees the retaining-pawl 29 from the teeth of the gear-wheel 22, when the coil-spring 22<sup>a</sup> will unwind and operate the reel 27 to wind the fish-line thereon, thus bringing the hooked fish to hand.

19 denotes the spring-actuated shaft journaled in the parallel arms 20 20, fixed to the rock-shaft 21, and 22 denotes a gear-wheel fixed on the shaft 19 and adapted to be thrown into and out of gear with the pinion 23, fixed on the counter-shaft 24, journaled in the casing, and said counter-shaft also carries a gear-wheel 25, which meshes with a pinion 26, fixed on the reel-shaft 26', also journaled in the casing, and on which the reel 27 is fixed. The counter-shaft 24 is squared at one end to receive the crank-handle 24', by means of which the reel can be manipulated by hand when desired to wind up the spring 22<sup>a</sup>. 28 denotes the fishing-line wound on the reel 27, and 29 denotes a pawl loosely mounted on a shaft 30, which connects the outer ends of the arms 20 20 and is adapted to engage and release the gear-wheel 22, the release taking place when said pawl 29 is pressed out of engagement therewith by hand. The spring-controlled gear-wheel 22 when released from engagement with the pawl 29 acts through the described train of gearing which it drives to wind the fishing-line upon the reel 27 by uncoiling from its shaft, and must be rewound by means of the crank-handle 24' and set by placing the pawl 29 in engagement with the gear-wheel 22 when the line has been again cast.

The accompanying drawings show my invention in the best form now known to me, but many changes in the details might be made within the skill of a good mechanic



without departing from the spirit of my invention as set forth in the claim at the end of this specification.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

In an automatic fishing-reel, the combination with the slotted tube and the spring-actuated plunger incased thereby, of the clamp-bracket secured to said slotted tube; the notched lever fulcrumed in said clamp-bracket near the forward end of the slot in said tube; the continuous-alarm bell provided with the push-pin 16, and the casing 6 fixed to said spring-actuated plunger and having sliding engagement with the tube; the

arm 18 fulcrumed upon a shaft in said casing and adapted to engage and release said push-pin 16; the reel-shaft and reel; the counter-shaft; the spring-actuated shaft 19; the gear-wheel 22 each supported within the casing in operative engagement, and means substantially as described for throwing said gearing into and out of gear with the reel-shaft, substantially as specified.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE COOK.

Witnesses:

JAS. A. MALONE,  
J. E. THOMPSON.