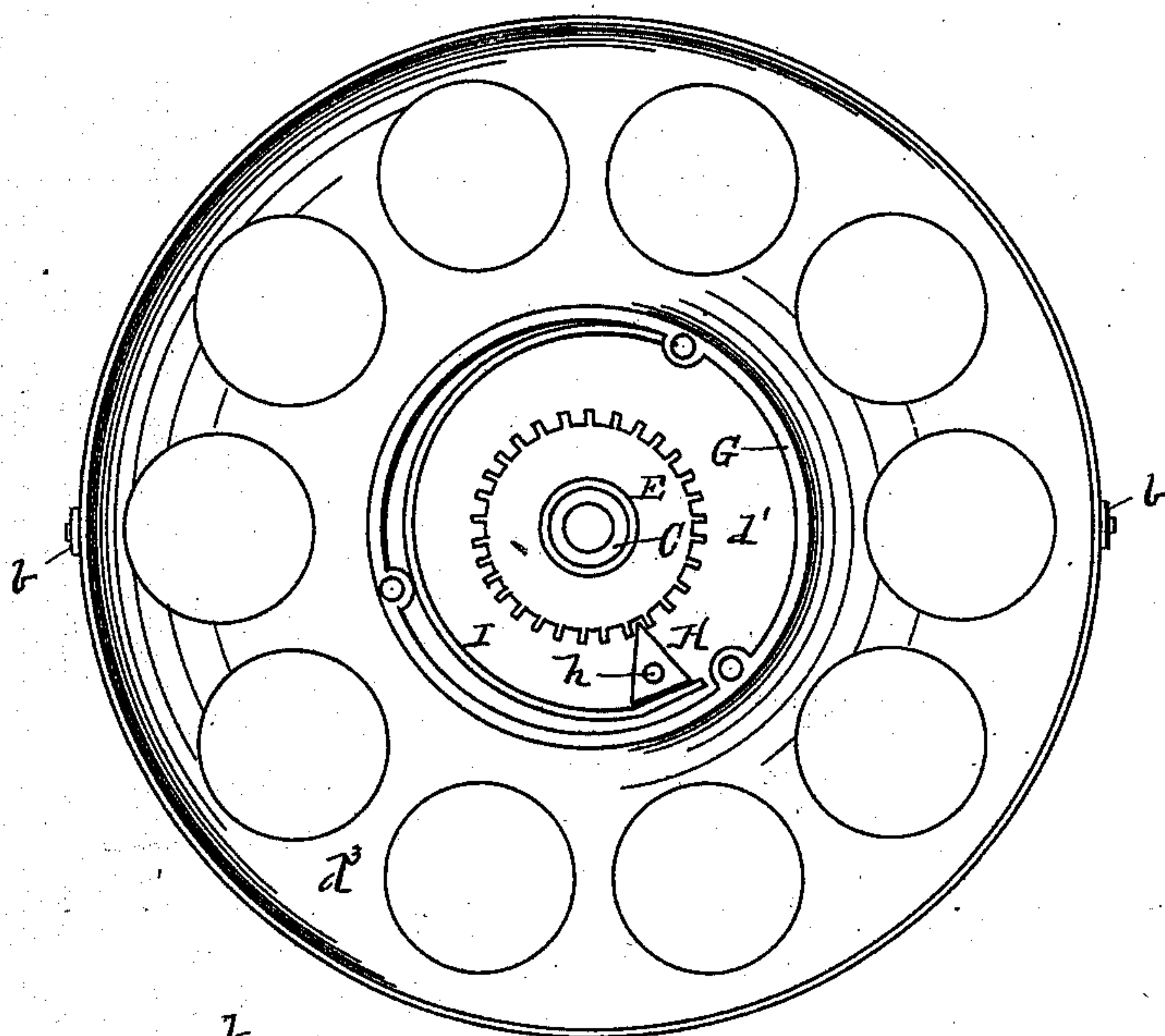


(No Model.)

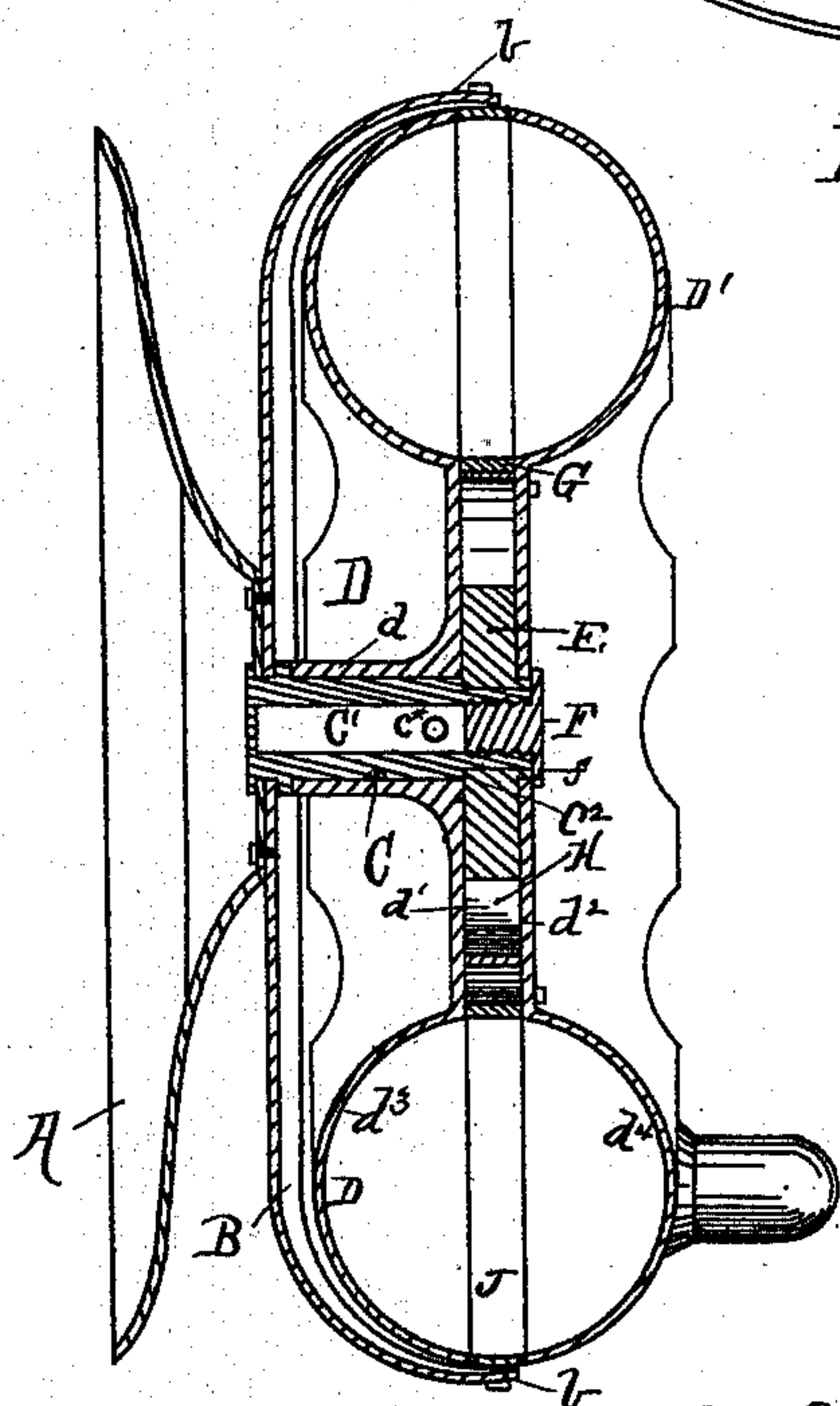
C. M. CLINTON.  
FISHING REEL.

No. 413,774.

Patented Oct. 29, 1889.



*Fig. 3.*



WITNESSES *Fig. 2.*

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L. J. F. Johnson

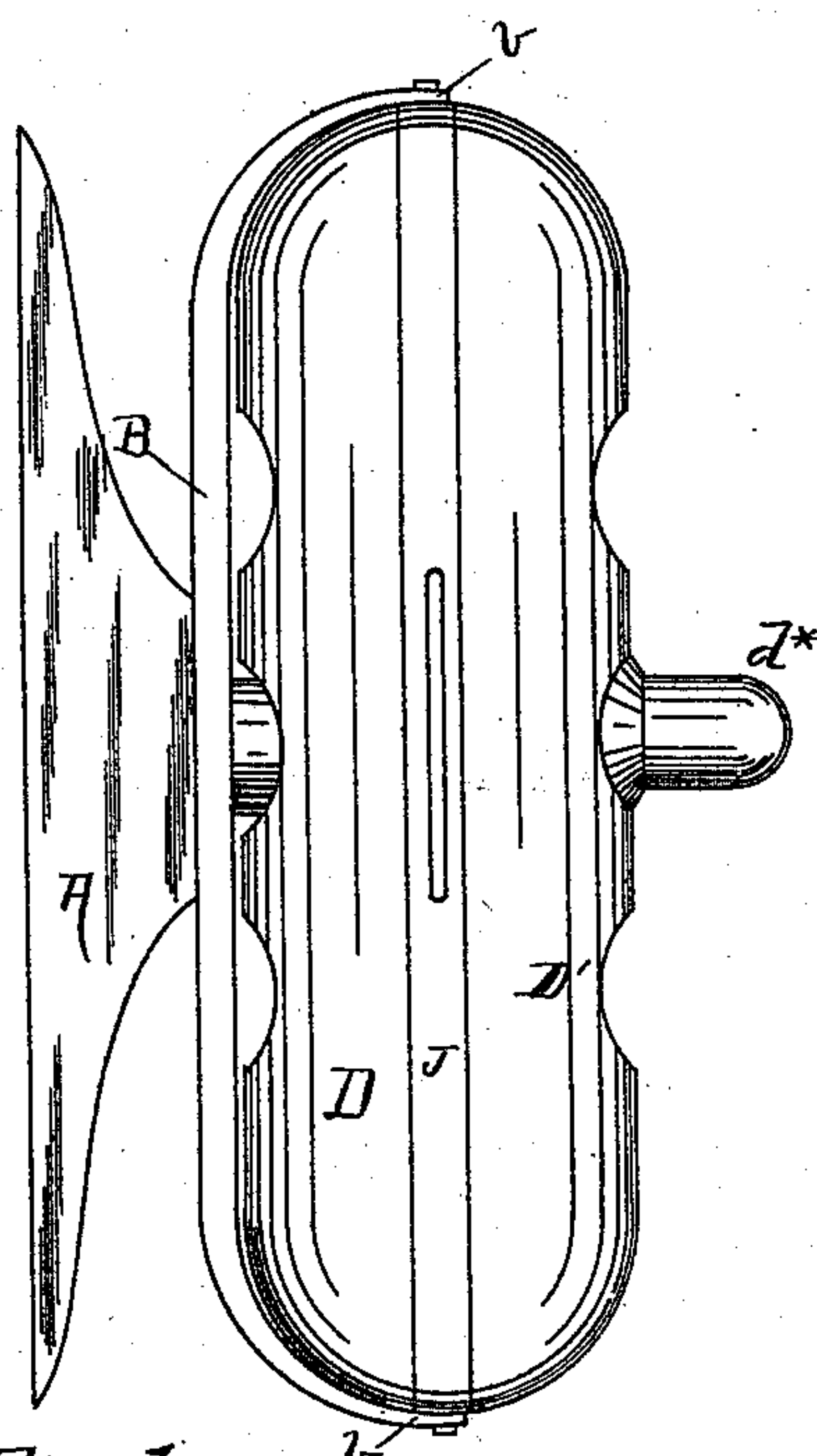


Fig. 1. INVENTOR

C. 771, Clinton

By Atty. J. N. Kaulb



# UNITED STATES PATENT OFFICE.

CHARLES M. CLINTON, OF ITHACA, NEW YORK.

## FISHING-REEL.

SPECIFICATION forming part of Letters Patent No. 413,774, dated October 29, 1889.

Application filed July 8, 1889. Serial No. 316,834. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES M. CLINTON, a citizen of the United States, residing at Ithaca, in the county of Tompkins and State of New York, have invented certain new and useful Improvements in Reels for Fishing-Rods; 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to reels for fishing-rods, and has for its object the provision of a reel which shall possess in an eminent degree the qualities of lightness, accurate detention at the point where the pull upon the line or the action on the handle ceases, and ready movement when even the most delicate pull or action is made upon the line or reel, the further quality of being self-oiling in the frictional points, and of a generally simplified and improved construction.

With these objects in view the invention consists in the novel construction and combination of parts hereinafter described, and pointed out in the claim.

The accompanying drawings illustrate what I consider the best means for carrying the invention into practice.

Figure 1 is a side elevation of the device. Fig. 2 is a central section. Fig. 3 is an interior plan view with the outer disk removed.

Similar letters of reference indicate corresponding parts in all the figures where they occur.

A is the base piece or plate, which is to be clamped to the rod by a slip-band or in any other convenient or suitable manner.

B is a yoke, which is secured to the base-piece in the center, and is sprung outward in line with the base-piece, and has turned-up ends *b b*, which are to be secured to a ring or band bearing the line-slot, as will presently be explained. The rivet which unites the yoke and base-piece is extended outward into the hollow stud C, which forms the center for the lower disk, a support for the click-wheel, and also affords an oil-reservoir C' within it, from which the lubricant

exudes to the bearings through a small perforation *c*.\*

D is the inner disk, which is provided with a center sleeve *d*, which envelops the hollow stud C and forms the bearing for the disk. A seat C<sup>2</sup> is formed on the outer end of the bearing-stud C, upon which is seated the click-wheel E. Around the eye of the click-wheel, on the outer side, is a projecting ring or band *e*, which forms the bearing for the outer disk D' on its circumference and for the binding-screw F on its face. The screw F is threaded into the end of the hollow stud C, and has an enlarged head or cap *f*, which rests upon the face of the projection *e* and projects over the edge of the disk D' and binds the parts together. The opposing faces of the disks lie parallel to each other at the center, as shown at *d' d*<sup>2</sup>, and are surrounded by annular perforate channels *d*<sup>3</sup> *d*<sup>4</sup>, to afford, when the parts are set up, a chamber or receptacle for the line. The faces *d' d*<sup>2</sup> are secured to a core G by screws let through from the exterior of the disks, which core forms a box for the click-wheel, click, and spring and a large center on which to reel the line. The click H is a triangular piece of metal swiveled on a pin *h*, projecting from one of the faces, and having its point projecting into the teeth of the click-wheel and its base borne upon by a spring I, whose tension is such as to cause the click to hold the wheel with a delicate force, just sufficient to hold the reel from turning by the weight of the line or the preponderance of any portion of its structure, and to permit it to reel off when the least pull comes upon the line or to be reeled up with equal facility, it being apparent that the click operates with the same certainty and force in whichever direction the disks are turned. A handle *d*<sup>\*</sup> is provided on the outer disk for convenience of manipulation. A band J, of a width about equal to the width of the core G, is secured to the bent ends *b b* of the yoke and lies between the peripheral edges of the disks. This band bears the line-slot *j*, and is held stationary while the disks are being revolved.

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

In a fishing-reel, the combination of the hollow stud or center post, which serves as an oil-reservoir, an orifice therein for the passage of oil to the reel-bearing, the disks having bearing thereupon and being provided with parallel center faces, a peripheral band against which the outer edges of the disks revolve, and the click-wheel and spring-click

located in a central orifice in one of the disks, substantially as described. 10

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

CHARLES M. CLINTON.

Witnesses:

ERON C. VAN KIRK,  
ISAAC DODD.