

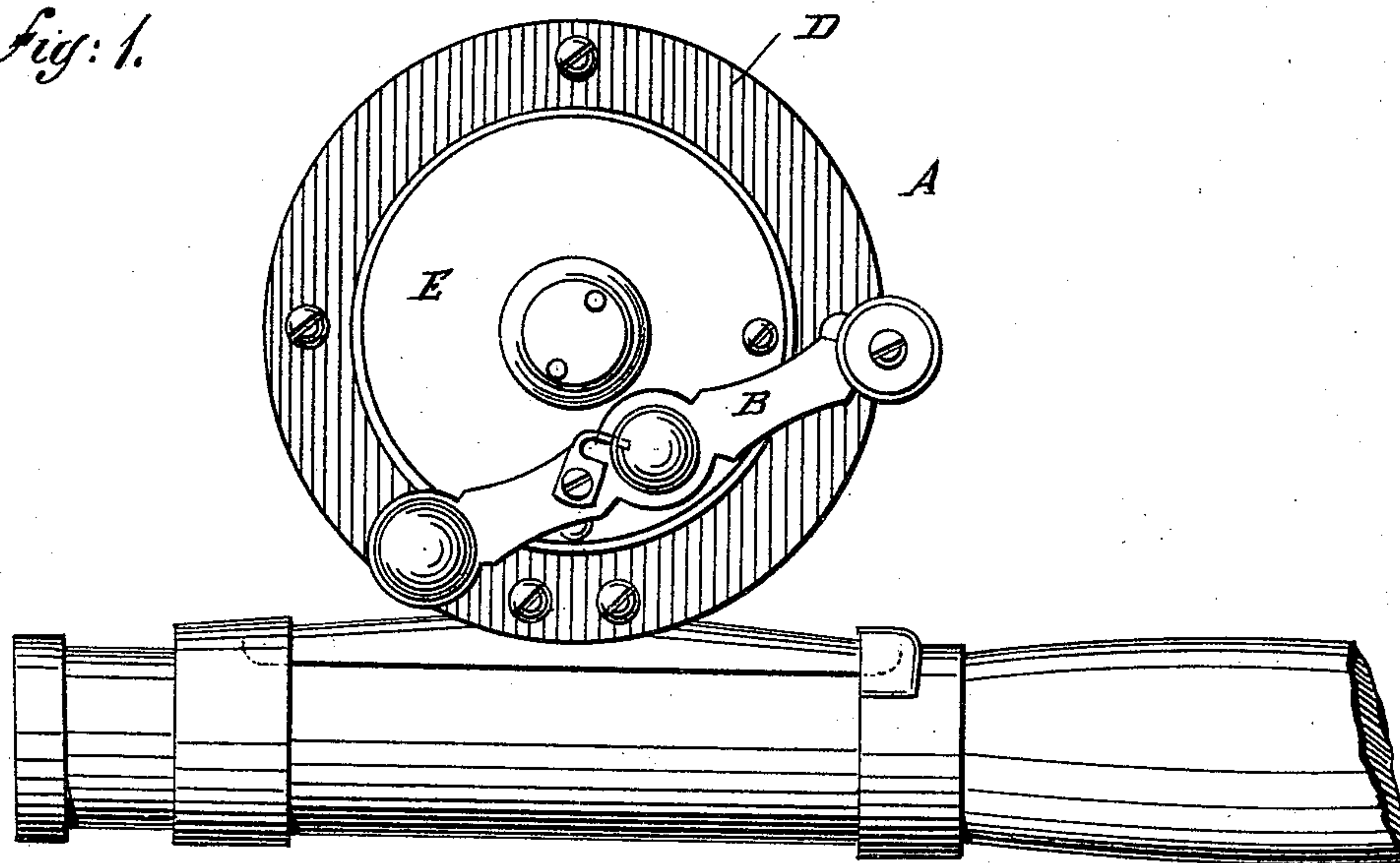
(No Model.)

W. SLOTE.  
FISHING REEL.

No. 437,627.

Patented Sept. 30, 1890.

*Fig: 1.*



*Fig: 2.*

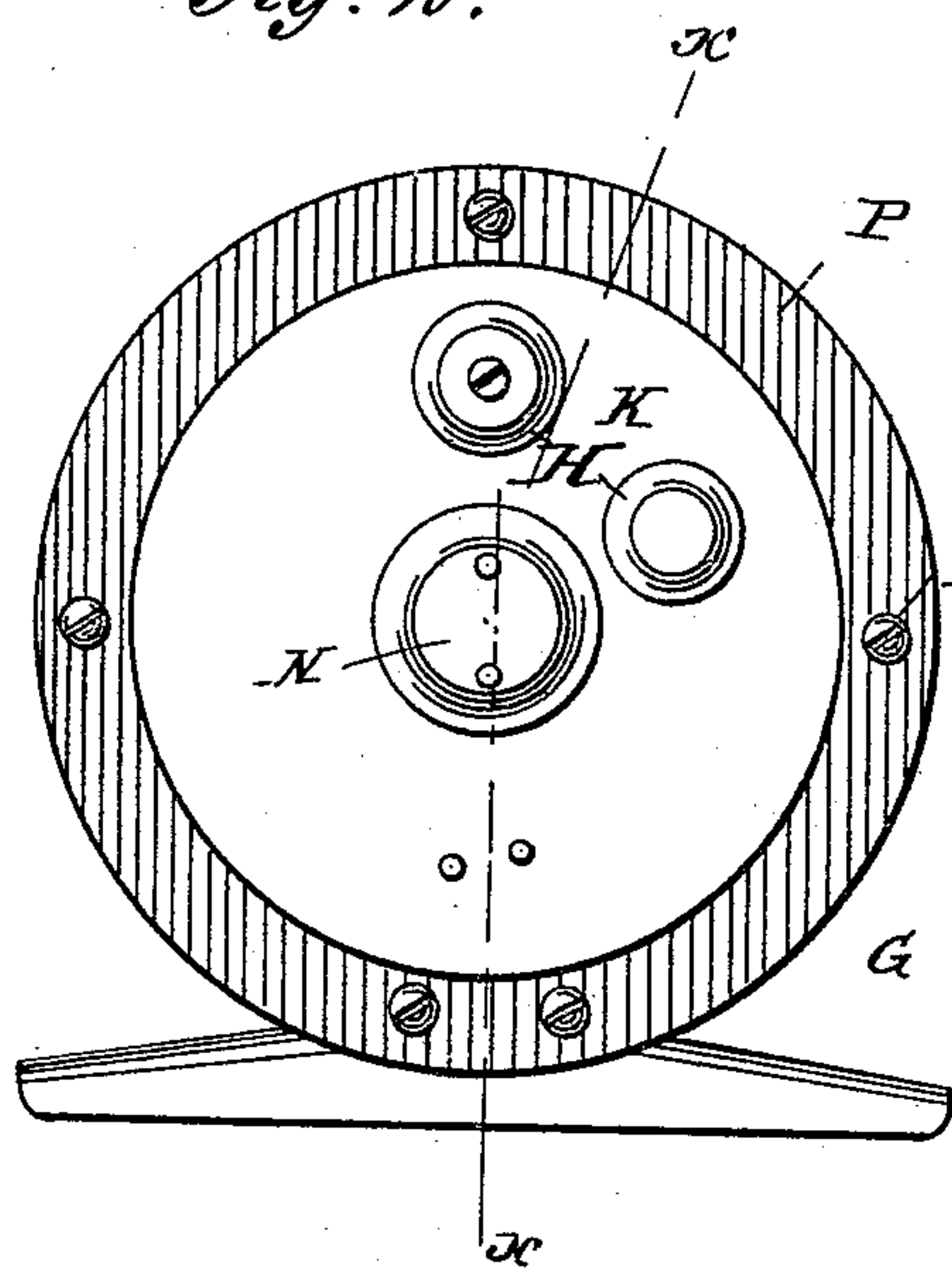
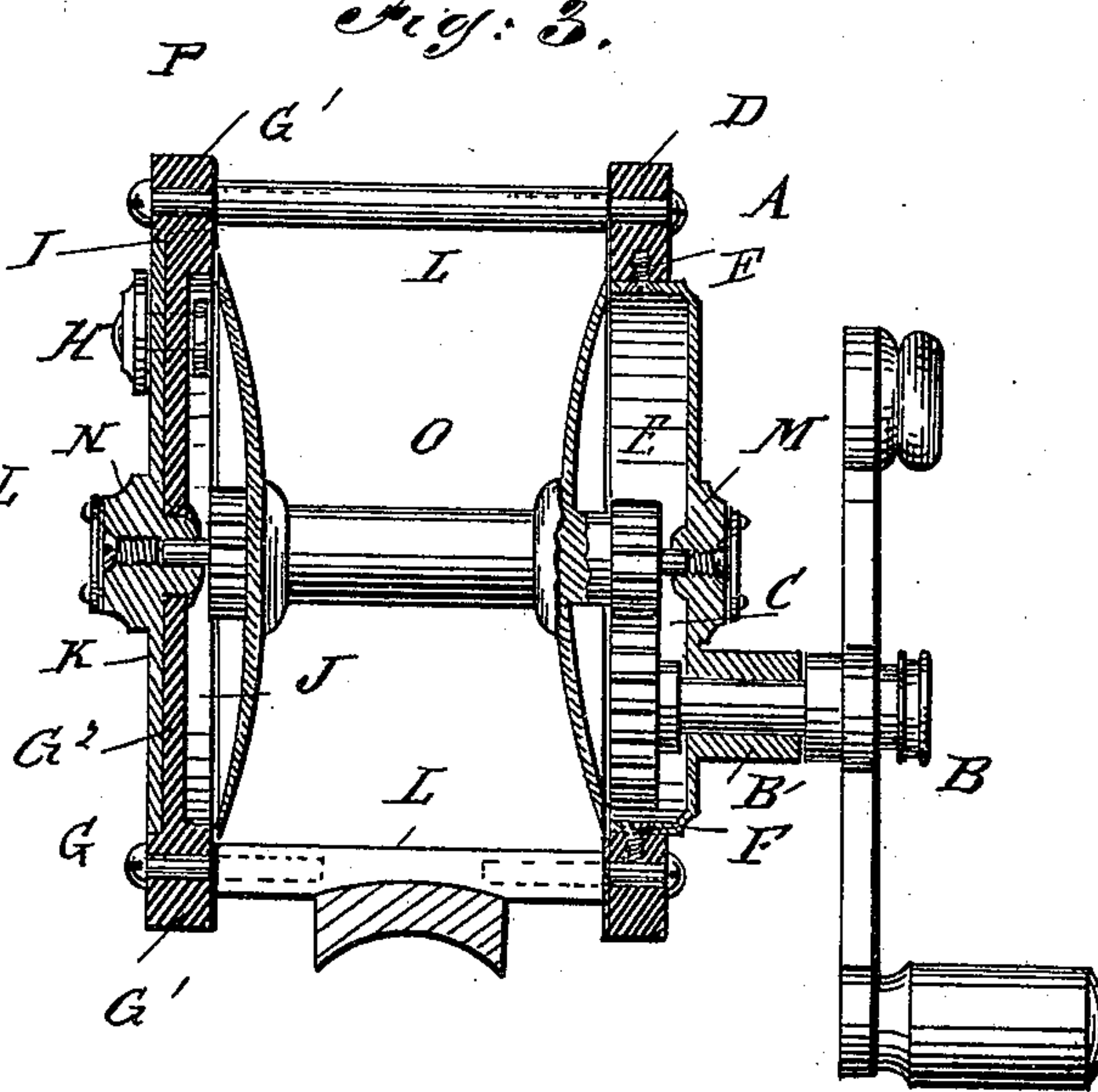


Fig: 3.



**WITNESSES:**

Edwin W. Fisher  
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**INVENTOR:**

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# UNITED STATES PATENT OFFICE.

WILLIAM SLOTE, OF BROOKLYN, NEW YORK.

## FISHING-REEL.

SPECIFICATION forming part of Letters Patent No. 437,627, dated September 30, 1890.

Application filed October 1, 1889. Serial No. 325,686. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM SLOTE, a citizen of the United States, residing in Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Fishing-Reels, of which the following is a specification.

This invention relates to fishing-reels the heads of which are composed partly or wholly of gutta-percha, commonly called "rubber," for the sake of lightness. In reels of this character metal bearings have to be provided on the rubber heads for the various movable parts of the bobbin, crank-handle, and multiplying-gear. These bearings have been made on metal plates secured on the face of the heads, which were in the form of solid disks, and when the rubber heads became warped or distorted the metal bearings were correspondingly displaced, to the injury of the mechanism of the reel.

My invention consists of a reel one of the heads of which, particularly that holding the winding-gear, is formed of an external annulus of gutta-percha, to which the pillars are attached, and a hollow circular box of metal filling and fixed within the open center of the annulus so as to make the entire head inflexible, and to form a rigid bearing for the working parts of the gearing without impairing the lightness of the reel, substantially as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side view of a fishing-reel constructed according to my invention. Fig. 2 is an opposite side view of the said fishing-reel. Fig. 3 is a cross-sectional view of the same, on the line X X, Fig. 2.

Like letters of reference designate corresponding parts in the several figures of the drawings.

The head A of the reel thus illustrated, on which the handle B and multiplying-gear C

are mounted, is made of an outer annular ring D, of rubber—i. e., gutta-percha or equivalent material—and a cup-shaped metal center E, fitted within the ring D, with its open side facing inward and secured to the ring by fastenings, such as the screws F. The other head G of the reel on which the click-and-drag mechanism H, which may be of any approved description, is arranged, is constructed of a solid rubber disk P, having circular central recesses I J, formed on opposite sides, and a metal center K countersunk in the outer recess I, the rubber portion of said head G thereby virtually forming a ring G', as in the other head A, closed only by a thin diaphragm G<sup>2</sup>, which serves as a backing for the metal center K. The rubber rings D and G of the two heads are connected by metal pillars L in the ordinary manner, and on the metal centers E K are formed the bearings M N for the respective pivots of the bobbin O, and on the center E the bearing B' for the handle B. With this construction, while the requisite lightness of reel is obtained, the various bearings being all on the described metal centers, and the rubber rings being rigidly braced and stiffened from within by said centers, said bearings, and hence all the working parts, will remain unaffected by changes of temperature or humidity.

I claim as new and desire to secure by Letters Patent—

As an improved article of manufacture, a fishing-reel the head A of which is constructed of an external annulus D of gutta-percha, to which the pillars L' are attached, and a hollow metallic gear-containing and bearing box O, filling and fixed within the open center of the gutta-percha annulus, substantially as specified.

WM. SLOTE.

Witnesses:

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