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7 items in my patents list

Displaying selected publications

| Publication | Title | Page |
|-----------------|--|------|
| GB190623229 (A) | Improvements connected with Winches f... | 2 |

N^o 23,229



A.D. 1906

Date of Application, 19th Oct., 1906

Complete Specification Left, 19th Apr., 1907—Accepted, 18th July, 1907

PROVISIONAL SPECIFICATION.

Improvements connected with Winches for Fishing Rods.

I, WILLIAM HENRY LAMPERT ALFRED, of 6 Crooked Lane, King William Street, London, Manufacturer, do hereby declare the nature of this invention to be as follows:—

5 The object of this invention is the construction of a brake to a winch for fishing rods, that the line may be thrown out freely, and yet be braked or retarded in its movement when being pulled by a fish.

For the purpose of my invention, around the axle or bearing of the reel on one side, I form a circular track having angled recesses for containing balls or spheres, and on the side or frame of the winch coinciding with the undulating
10 circular track I form a screw thread, this carrying a screw threaded track having a spring handle which extends beyond the reel, and is provided with means, as also may the casing, for holding it to the winch casing, the track coinciding with the track on the reel and having a race for the balls to run in.

The reel can revolve or be revolved one way freely, as also it can in the other
15 direction when the screw track is at its position furthestmost away from the balls or spheres, by reason of the balls having free movement in their inclined or other slots, but by moving the handle to revolve the screw track in a direction towards the balls, the track will get closer together, and in consequence, the balls will be gripped to a greater extent between the tracks, and by the
20 revolution of the reel, will be caused to travel up the inclines and jamb themselves against the screw track, and so brake the reel, the braking being determined by the degree of movement of the screw track.

Dated this 19th day of October 1906.

25

R. CORE GARDNER,
Chartered Patent Agent,
173—4—5 Fleet Street, London, E.C.
Agent for the said:—
William Henry Lampert Alfred.

COMPLETE SPECIFICATION.

30 **Improvements connected with Winches for Fishing Rods.**

I, WILLIAM HENRY LAMPERT ALFRED, of 6 Crooked Lane, King William Street, London; Manufacturer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement;—

35 This invention relates to that class of fishing reel in which an adjustable
[Price 8d.]

Alfred's Improvements connected with Winches for Fishing Rods.

check or braking appliance is employed, and consists in a particular and improved construction of a brake for such fishing reels, whether of the plain or ball bearing type, whereby the line may be thrown out freely and yet be braked or retarded in its movement when being pulled by a fish.

My invention will be clearly understood from the following description aided 5 by the accompanying drawings in which:—

Figure 1. is a front elevation of a winch with the reel removed.

Figure 2. is a section of a complete winch.

Figure 3. is a back view of the reel.

Figure 4. is a section of the circular track having angled recesses. 10

Figure 5. is a back elevation of the winch.

Figure 6. a front elevation of the winch.

For the purpose of my invention, around the axle or bearing A of the reel B on one side, I form on the reel B a circular plate C having recesses D for containing balls E or spheres, and with sloping or angled bottoms L as tracks on 15 which the balls run, as at Figures 3 and 4, and on the side or frame F of the winch coinciding with the undulating circular plate C, I form a screw thread G, this carrying a track H having a spring handle I which extends outside the frame F, and is provided with means, such as a pin J, as also may the casing F, such as holed plate K, for holding it to the winch casing F, the track H coincid- 20 ing with the plate C on the reel B; and having a race for the balls to run in. The axle A is formed with the frame F.

The reel B can revolve or be revolved one way freely, as also it can in the other direction when the screw track H is at its position furthest away 25 from the balls or spheres E, as in dotted lines, Figure 1, by reason of the balls having free movement in their inclined slots D, but by moving the handle I to revolve the screw track H in a direction towards the balls, the tracks H and L will get closed together, and in consequence, the balls E will be gripped to a greater extent between the tracks H and L, and by the revolution of the reel B, will be caused to travel up the inclined tracks L of the recesses D, and jamb 30 themselves against the screw track H, and so brake the reel B, the braking being determined by the degree of movement of the screw track H.

The outer end of the axle A is provided with a nut or screw M to keep the reel B in place.

Having now particularly described and ascertained the nature of my said 35 invention, and in what manner the same is to be performed I declare that what I claim is:—

In winches for fishing rods, providing one side of the reel with a circular plate having recesses provided with inclined bottoms as tracks for balls contained in said recesses, screw threading a portion of the axle and mounting 40 thereon a circular track coincident with the plate on the reel, and operable by a handle to grip the balls and so brake the reel, the handle being affixable to the frame in any adjusted position, substantially as set forth for the purpose described..

Dated this 19th day of April 1907. 45

R. CORE GARDNER,
Chartered Patent Agent,
173—4—5 Fleet Street, London, E.C.
Agent for the said:—
William Henry Lampert Alfred. 50

Fig. 1.

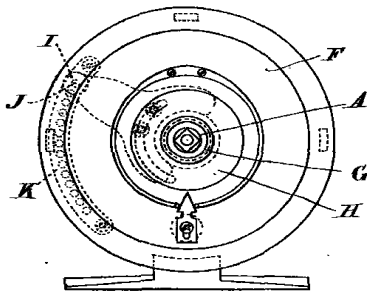


Fig. 2.

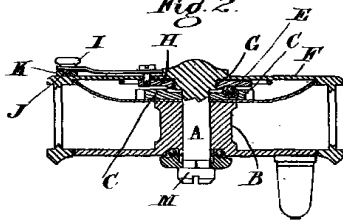


Fig. 3.

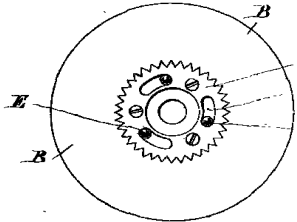


Fig. 4.

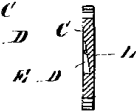


Fig. 5.

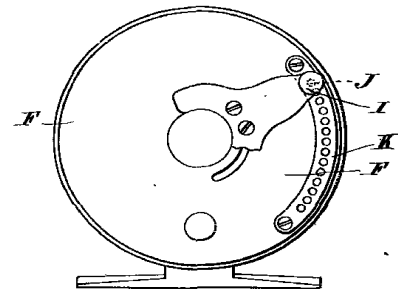


Fig. 6.

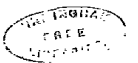
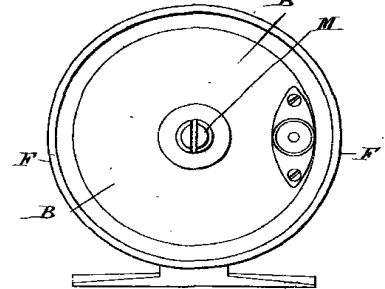


Fig. 1.

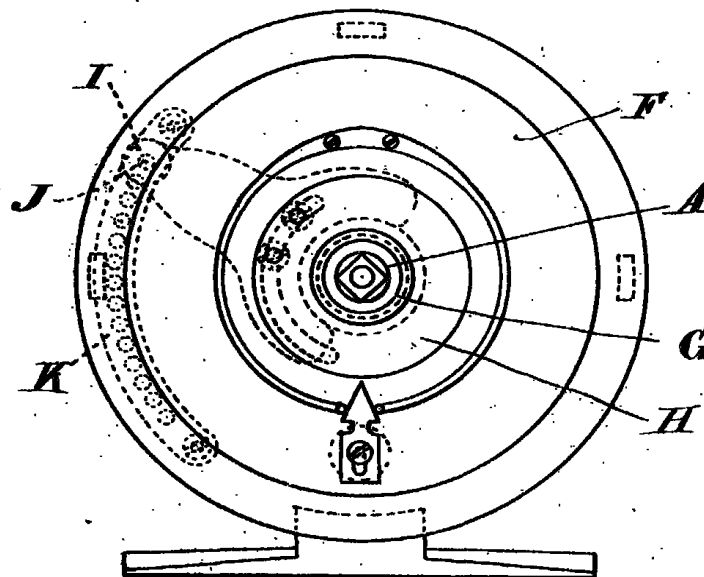


Fig. 2.

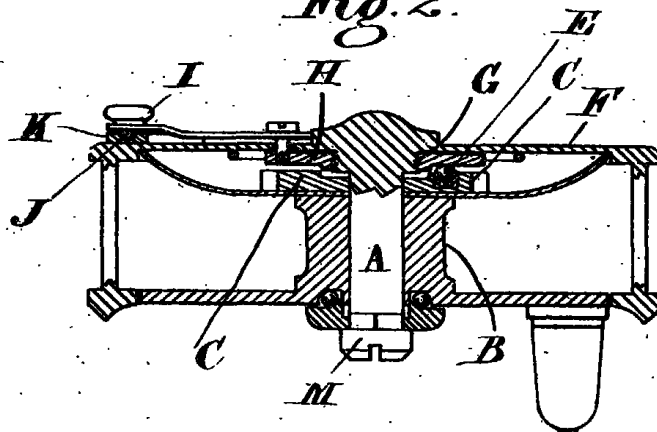


Fig. 3.

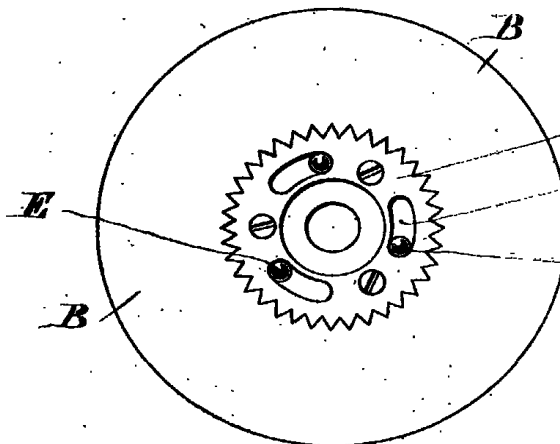
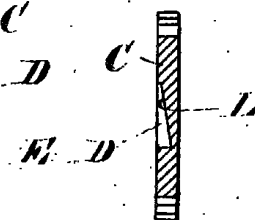


Fig. 4.



[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 5.

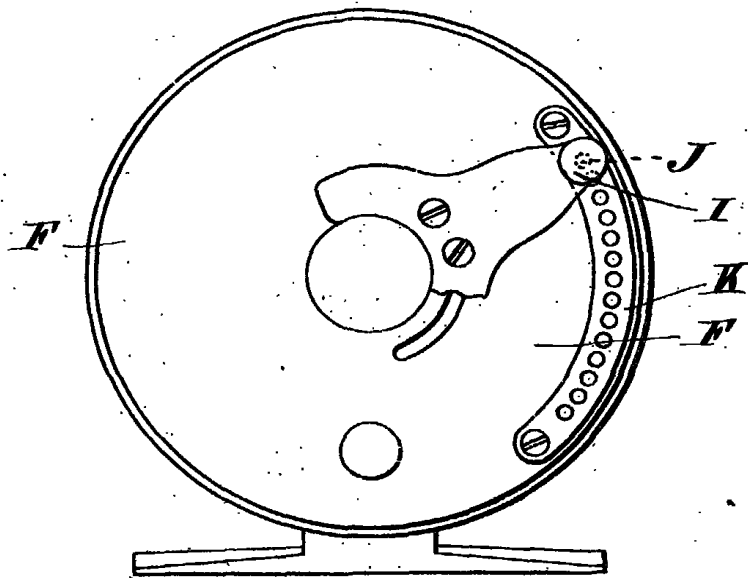
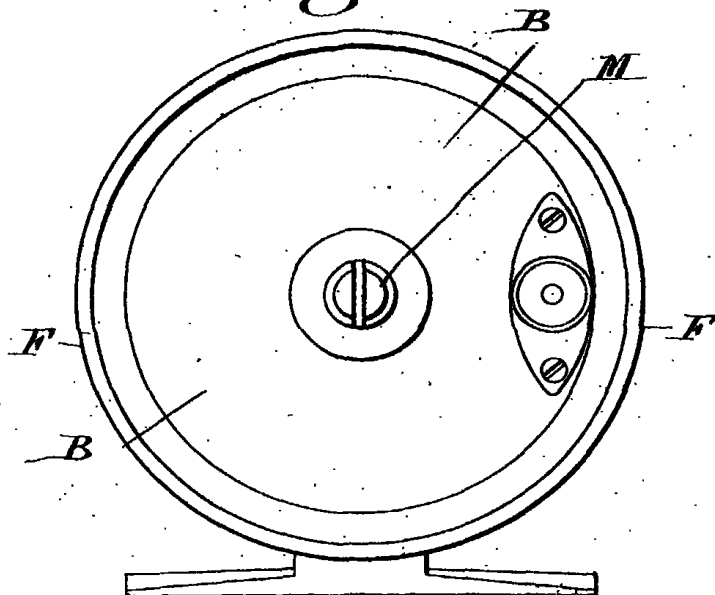


Fig. 6.



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