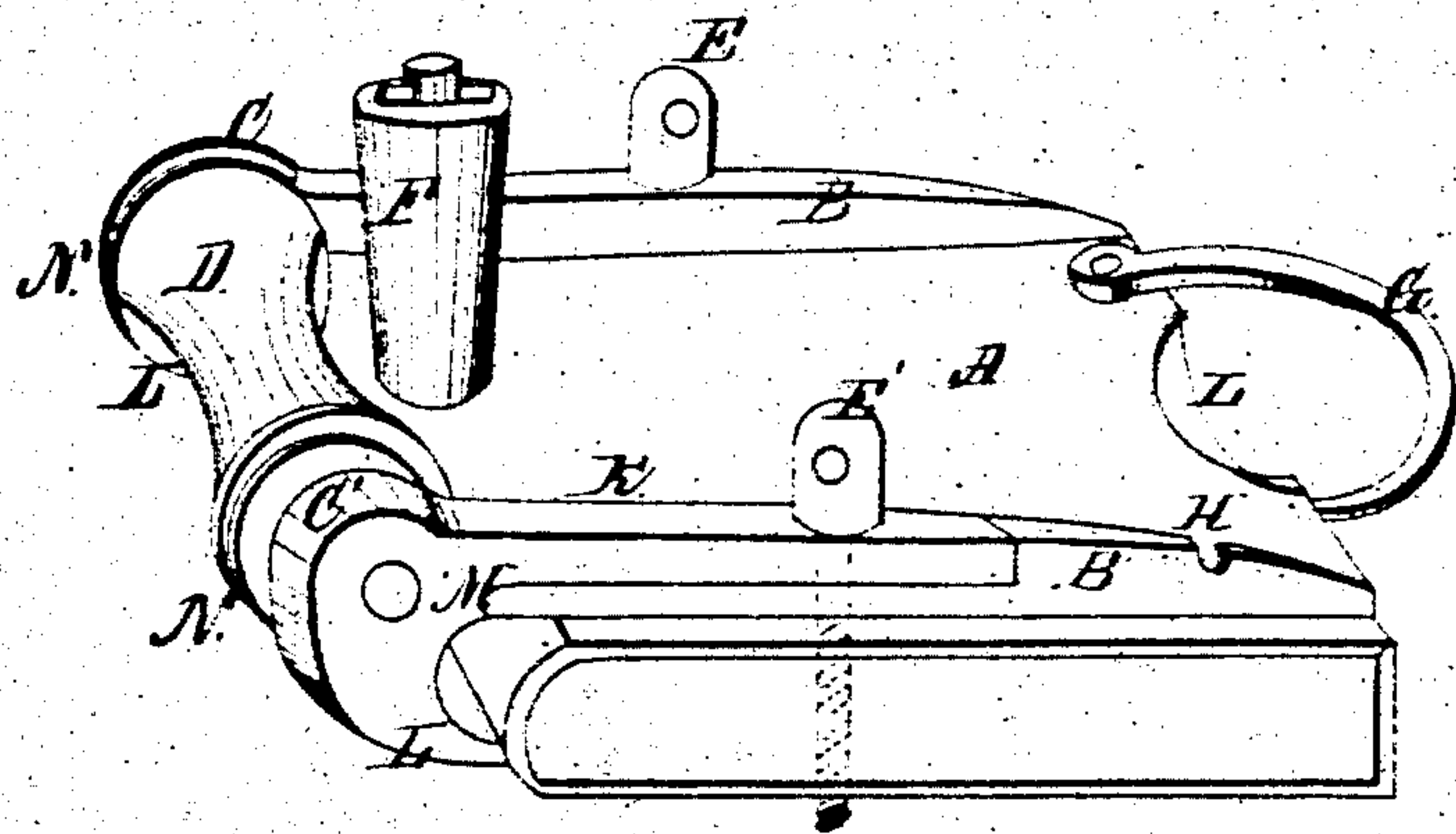


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A. Tiffany
Fishing Reel.

N^o 854.

Patented July 26, 1838.



UNITED STATES PATENT OFFICE.

ARUNAH TIFFANY, OF GIBSON, PENNSYLVANIA.

IMPROVEMENT IN THE APPARATUS FOR ASSISTING IN THE OPERATION OF CATCHING FISH.

Specification forming part of Letters Patent No. 854, dated July 26, 1838; antedated May 26, 1838.

To all whom it may concern:

Be it known that I, ARUNAH TIFFANY, of Gibson, Susquehanna county, State of Pennsylvania, have invented a new and useful Apparatus to Facilitate the Operation of Fishing, which is described as follows, reference being had to the annexed drawing of the same, making part of this specification.

The nature of my invention consists in a certain combination and arrangement of the plate marked A, rollers D and F, and the hook G, to be attached to the rail of a vessel or other place when the fishing is to be carried on, for reducing labor and friction in drawing in the lines to which the hooks or seines are fastened, the rollers serving to reduce friction and wear of the lines in drawing them in or letting them out, and the hook answering to keep the lines in a proper position while the latter operation is going on.

As before mentioned, A represents the plate containing the rollers and hook secured to the rail or other place. This plate is made flat on the under side, which lies on the top of the rail, and is secured to the rail by two screw-bolts, E E, passing through it at the sides, which sides are increased in thickness, so as to form ribs or rails B B, for guiding the lines properly and for strengthening it, and are extended in front, forming ears C C, which are perforated to receive the gudgeons of the horizontal roller D, and on the under side, at L, are formed like a hook for passing under the rail to assist in holding the plate more firmly to it. The ears are thus formed and make part of the plate, as just described, when the gudgeons of the roller are detached from it to be inserted in their places after the roller is put in its proper place between the ears; but when the gudgeons form part of the roller, then one of the ears must be made to turn on a pivot or center-pin, in order to admit the roller with its fixed gudgeons; and for this purpose a part of the left rib, and which forms the left ear C', must be made separate, in the manner represented in the drawing, and to turn on a pin, K, rising from the plate, so as

to be opened in order to admit the horizontal roller with fixed gudgeons, and when arranged in its proper position the movable ear is turned on its pivot and closed toward the roller, the gudgeon entering the aperture therein, and is secured by means of one of the screw-bolts E and a projection from the plate which enters a notch, M, in the ear. This roller, as well as the other, to be hereinafter described, is made bell-shaped.

The side of the plate toward the horizontal roller is made convex, in order to correspond with the shape of the sides of said horizontal roller. The opposite side is made concave and its edges rounded to allow the rope to run over them more easily. The vertical roller F turns on a spindle inserted into the plate near the center thereof, and is secured from rising by a small pin inserted horizontally through the spindle above the upper end of the roller.

The roller D has channels or grooves N around its ends for carrying the lines.

The curved arm or hook G turns horizontally on a pin inserted through its larger end into the top of the plate near the concave edge. Its small end or point passes into a cavity or mortise made in the edge of the plate. This hook is closed round the line for keeping it in its place when letting it out, and is turned back out of the way when drawing in the line.

In the left rib of the plate is made a notch or cavity, H, for cleaning the hooks when required to be fresh baited, which is done by passing the hooks through the notch, the sides thereof catching hold of the pieces of bait and drawing them from the hook as the latter is moved to the right or left.

The invention claimed, and desired to be secured by Letters Patent, consists in—

The combination of the plate A, constructed as described, with the rollers D and F, and the hook G, as herein set forth.

ARUNAH TIFFANY.

Witnesses:

SML. B. PERRY,
ARCHIBALD A. WALKER.