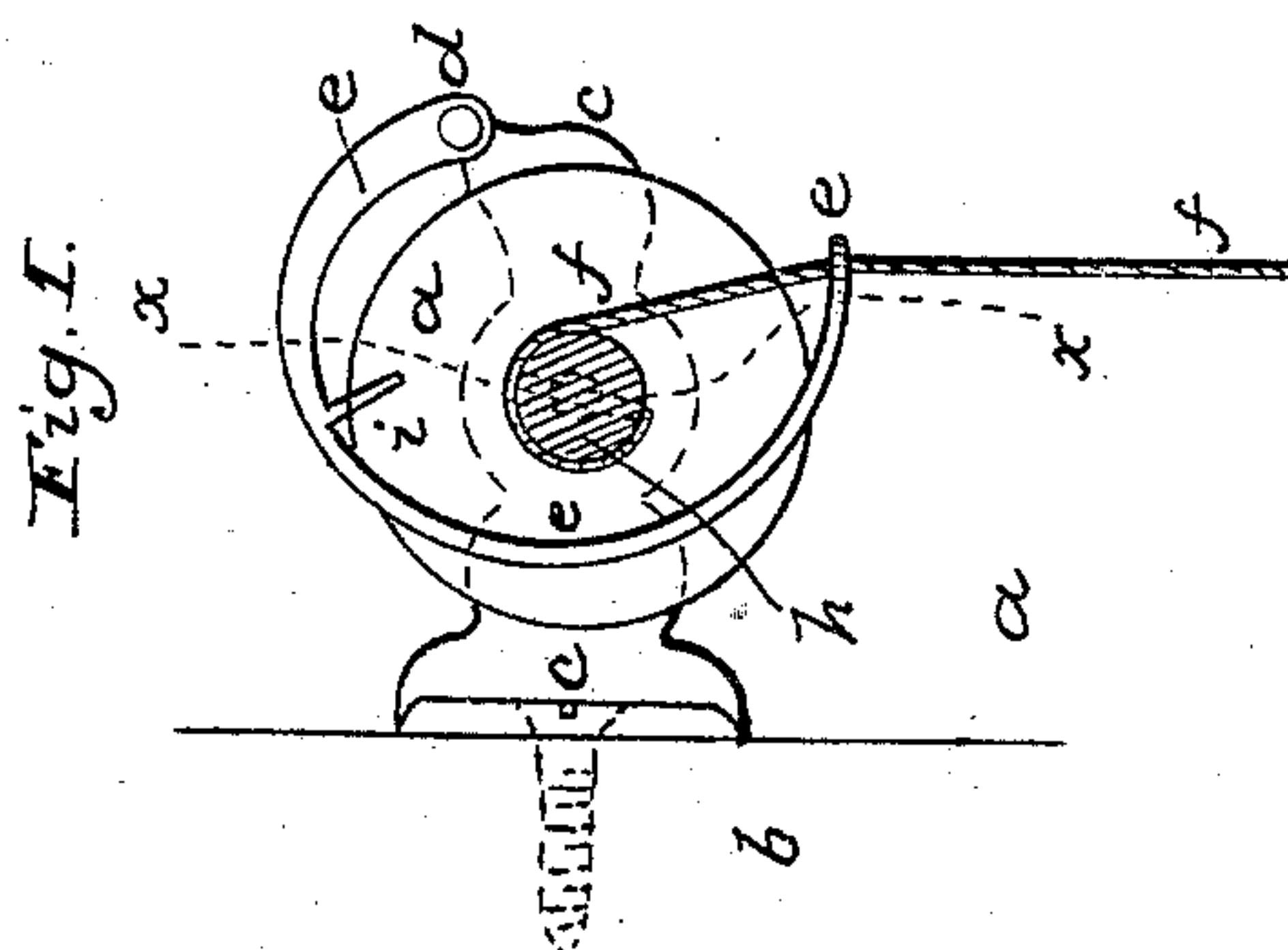
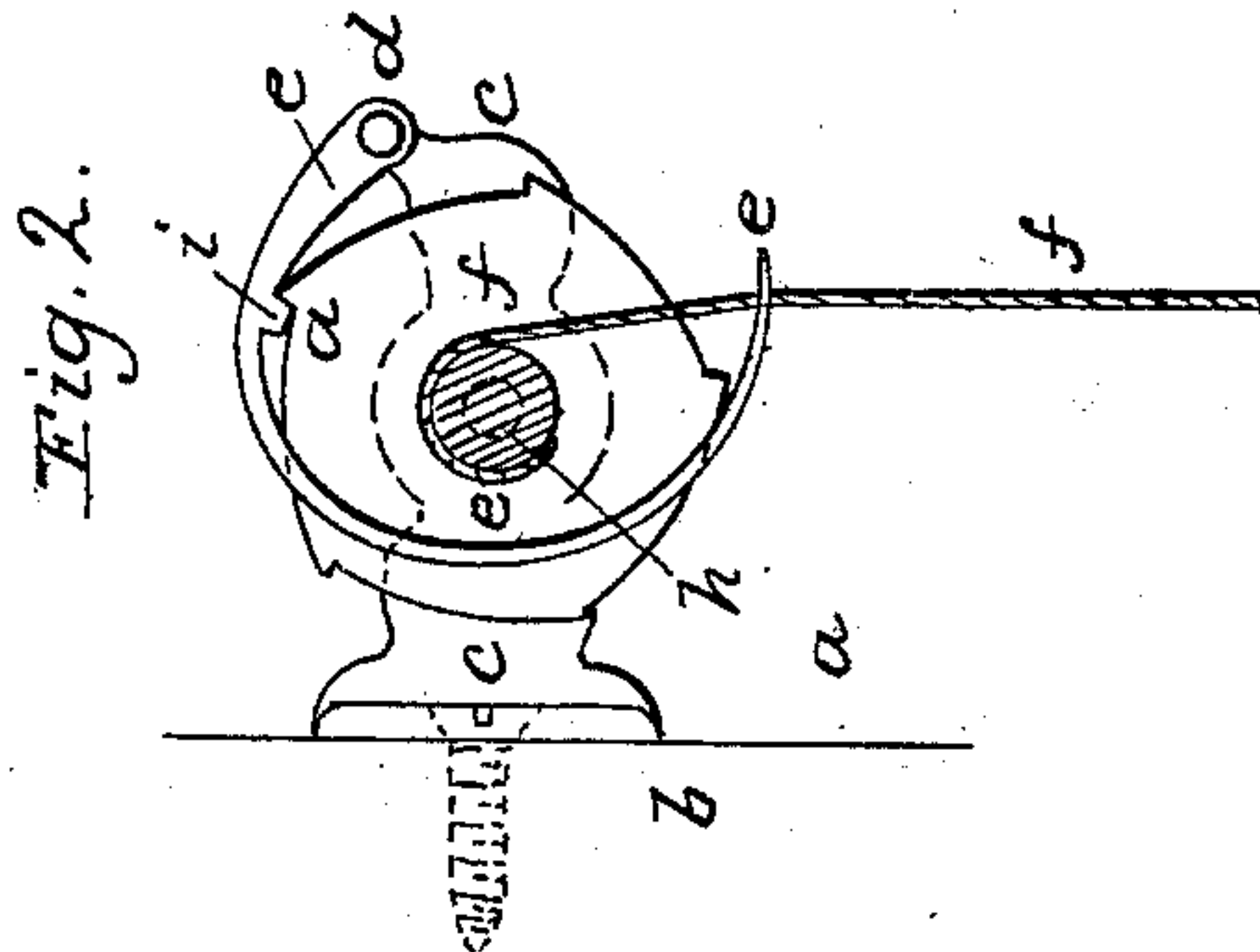
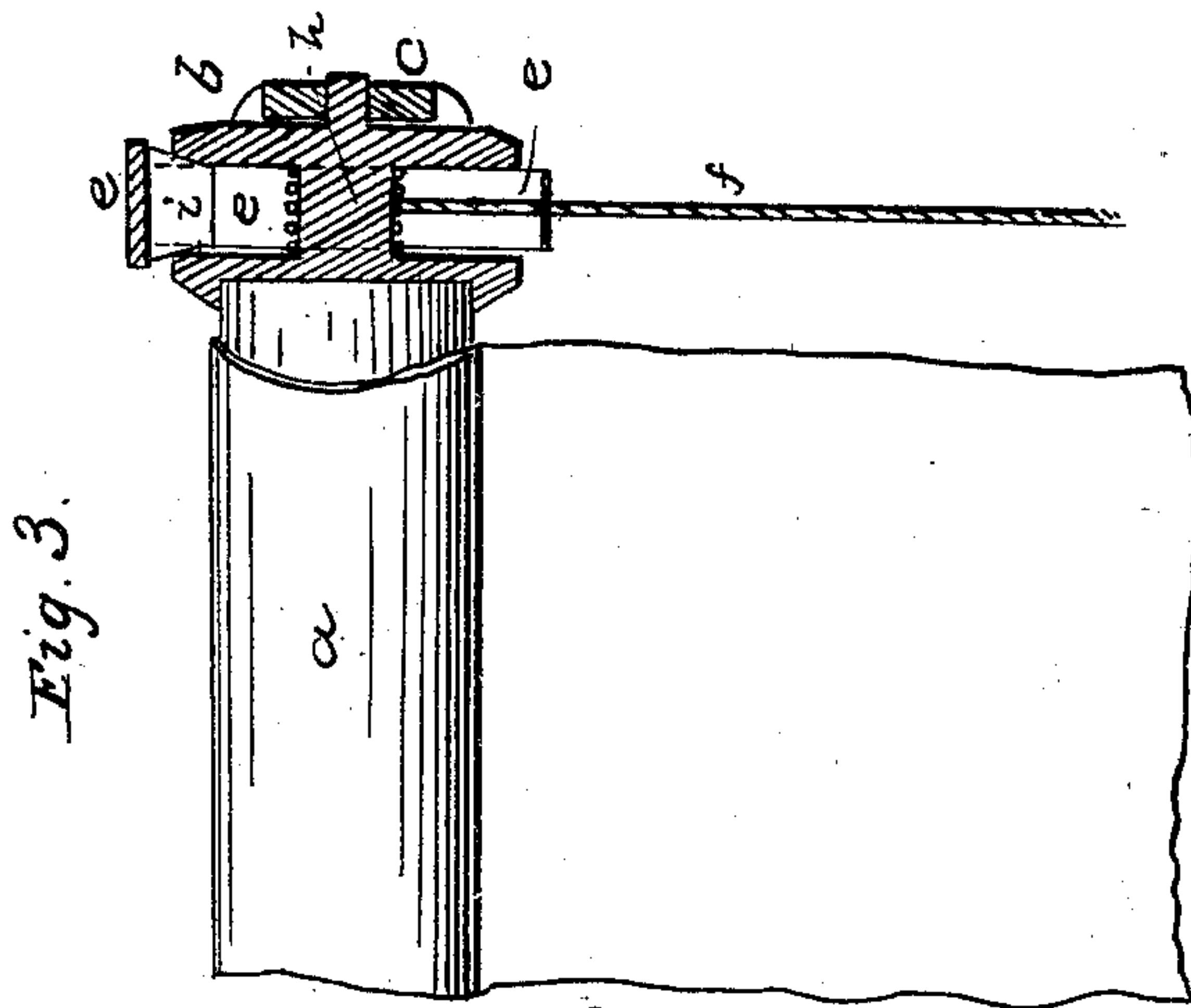


T. G. HAROLD.
Curtain Fixture.

No. 31,643.

Patented March 5, 1861.



Inventor:

Thos. Geo. Harold

UNITED STATES PATENT OFFICE.

THOMAS GEORGE HAROLD, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND GIBBONS L. KELTY, OF NEW YORK, N. Y.

CURTAIN-FIXTURE.

Specification of Letters Patent No. 31,643, dated March 5, 1861.

To all whom it may concern:

Be it known that I, THOS. GEO. HAROLD, of Brooklyn, in the county of Kings and State of New York, have invented, made, and applied to use certain new and useful Improvements in Curtain-Fixtures; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1. is a view of my improved fixture with one side of the spool removed—Fig. 2. is a similar view with a slight variation in the construction of the blocking piece or pawl—Fig. 3. is a section at the line *x. x.* of Fig. 1.

Similar marks of reference denote the same parts in all the figures.

Various devices have been constructed for retaining the curtain in any desired position, by means of pawls, springs &c., most of which are costly and are operated with one or two cords.

The object of my said invention is to operate the blocking piece or pawl that retains the curtain by means of the cord that draws up the curtain, and at the same time keeps the cord on the pulley or spool.

The nature of my said invention consists in a lever moving upon a pin and guided by the sides of the spool, so that said spool keeps the lever correctly in place, regardless of the position of the spool to the bracket in consequence of any end movement allowed to the former. And by providing a blocking piece upon this lever that takes against the sides of the spool the movement of the curtain is not only arrested, but the cord is retained in place upon the spool.

In the drawing *a* is the shade or curtain roller and *b* is the window casing or other place to which the curtain is to be hung by means of suitable brackets. One of these brackets *c* has a pin *d* cast or otherwise affixed thereto, on which I swing my curved lever *e* with the blocking piece *i*, said blocking piece or pawl being formed as shown in the several figures of the drawing. The

said curved lever *e* is provided with a hole at one end through which the cord *f* passes and the other end moves upon the pin *d* as a center as aforesaid. The cord *f* winds upon the spool *h* as the curtain runs down, and unwinds in the act of drawing the curtain up, as usual, but said cord passing through the hole at the end of the said lever communicates a swinging motion to the same when the cord is pulled. This movement I cause to act in releasing or holding the spool. To effect this operation I make use of the tapering blocking piece *i* upon the curved lever *e*, which blocking piece entering between the two sides of the spool jams in such a manner as effectually to prevent the curtain running down but this is instantly relieved and raised upon pulling on the cord to raise or lower the shade.

In place of having the wedge shaped blocking piece *i*, horns may be used as shown in Fig. 2, to take notches on the edges of the spool *h*. By this mode I am enabled to move my curved lever and disconnect the blocking piece or pawl by the simple act of pulling on the cord, without drawing the cord at an angle and not only so but my curved lever inclosing the spool prevents the cord from getting off and keeps the dust out of the spool.

What I claim and desire to secure by Letters Patent is—

1. A lever *e* fitted upon a pin and guided by the spool on the curtain roller, in such a manner that the lever is always kept in its correct position for stopping the curtain regardless of the position of the spool relatively to the bracket.

2. Arresting the movement of the spool and curtain by a blocking piece pawl or stop passing in between and acting against the sides of the spool.

In witness whereof I have hereunto set my signature this second day of February 1861.

THOS. GEO. HAROLD.

Witnesses:

JOHN F. GRAY,
CHAS. H. SMITH.