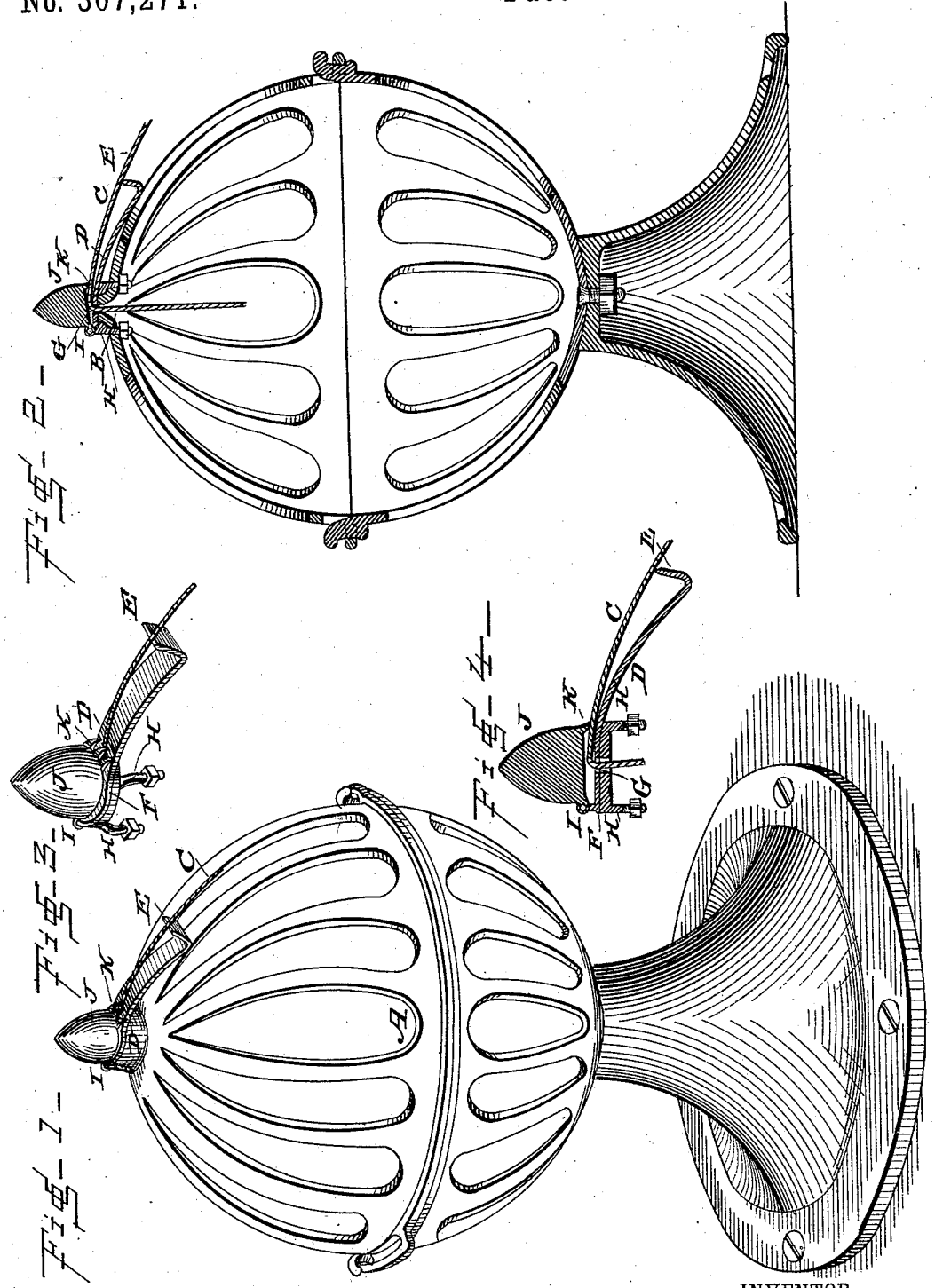
(No Model.)

C. DRAKE.

TWINE CUTTER.

No. 307,271. Patented Oct. 28, 1884.



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TWINE-CUTTER.

SPECIFICATION forming part of Letters Patent No. 307,271, dated October 28, 1884.

Application filed May 9, 1884. (No model.)

To all whom it may concern:

Be it known that I, CUNINGHAM DRAKE, a citizen of the United States, and a resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Twine-Cutters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of a twine-holder provided with my improved cutter. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a perspective view of the cutting device detached from the holder, and Fig. 4 is a sectional detail view of the same on a larger scale.

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

My invention has relation to devices for cutting twine, adapted to be attached to and form part of the twine-holder; and it consists in the detailed construction and combination of parts of a device of that class, as will be hereinafter more fully described and claimed.

In the accompanying drawings, A denotes the twine-holder, which may be of any desired construction, and has the usual aperture, B, in the top, for the passage of the twine, (shown at C.)

D is a plate curved to conform to the shape of the top part of the holder, and provided with an upwardly-projecting steel plate, E, having a sharp edge. The upper end of plate D forms a circular disk, F, having a central aperture, G, registering with the aperture B in the top of the holder. This plate D is formed with three or more strips or prongs, H, which pass through perforations in the top of the twine-holder, and are secured by means of nuts, or in any other suitable manner, thus securing the said plate and its disk F to the top of the twine-holder.

Upon one side of the disk F, opposite to or in a line with the knife plate or arm D, is hinged at I a weighted button, J, the under side of which is provided with a series of sharp steel teeth K, slanting outwardly, as will be seen more clearly by reference to Fig. 4 on the drawings, which teeth will allow the twine to be drawn out, while they at the same time will prevent it from slipping back, the twine passing either under one of the teeth or between the edges of two of the teeth, the weight of the button and the sharpness of the teeth retaining it and preventing it from slipping back, while the incline of the teeth will allow it to be drawn out.

In order to make the hinged button J sufficiently heavy to answer its purpose it should be loaded with lead, or made from some equally heavy substance.

From the foregoing description, taken in connection with the drawings, the operation of this device will be readily understood. The slant or inclination of the steel teeth K permits the twine to be drawn freely from the holder through the aperture B between disk F and its hinged button J, and when the proper length of twine has been drawn out it is cut off by passing it across the sharp knife-edge E. The teeth K on the hinged button will prevent the free end of the twine from slipping back into the holder, so that a fresh supply can be readily pulled out when more twine is wanted for use.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The twine-cutter consisting of the arm or plate D, having knife-edge E, and disk F, having central aperture, G, in combination with the weighted button J, hinged upon one side of disk F, and provided with downwardly-projecting slanting teeth K, substantially as and for the purpose shown and set forth.

2. The combination of the twine-holder A, having aperture or twine-passage B, twine-cutter consisting of the arm or plate D, having knife-edge E, and disk F, having central aperture, G, in combination with the weighted button J, hinged upon one side of disk F, and provided with downwardly-projecting slanting teeth K, and means for the attachment of the cutting device upon the holder, substantially as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own, I have hereunto affixed my signature in presence of two witnesses.

CUNINGHAM DRAKE.

Witnesses:
LOUIS BAGGER,
AUGUST PETERSON.