F. J. SEYMOUR.

Twine-Cutters.

No. 139,427. Patented May 27, 1873.

Fig 1

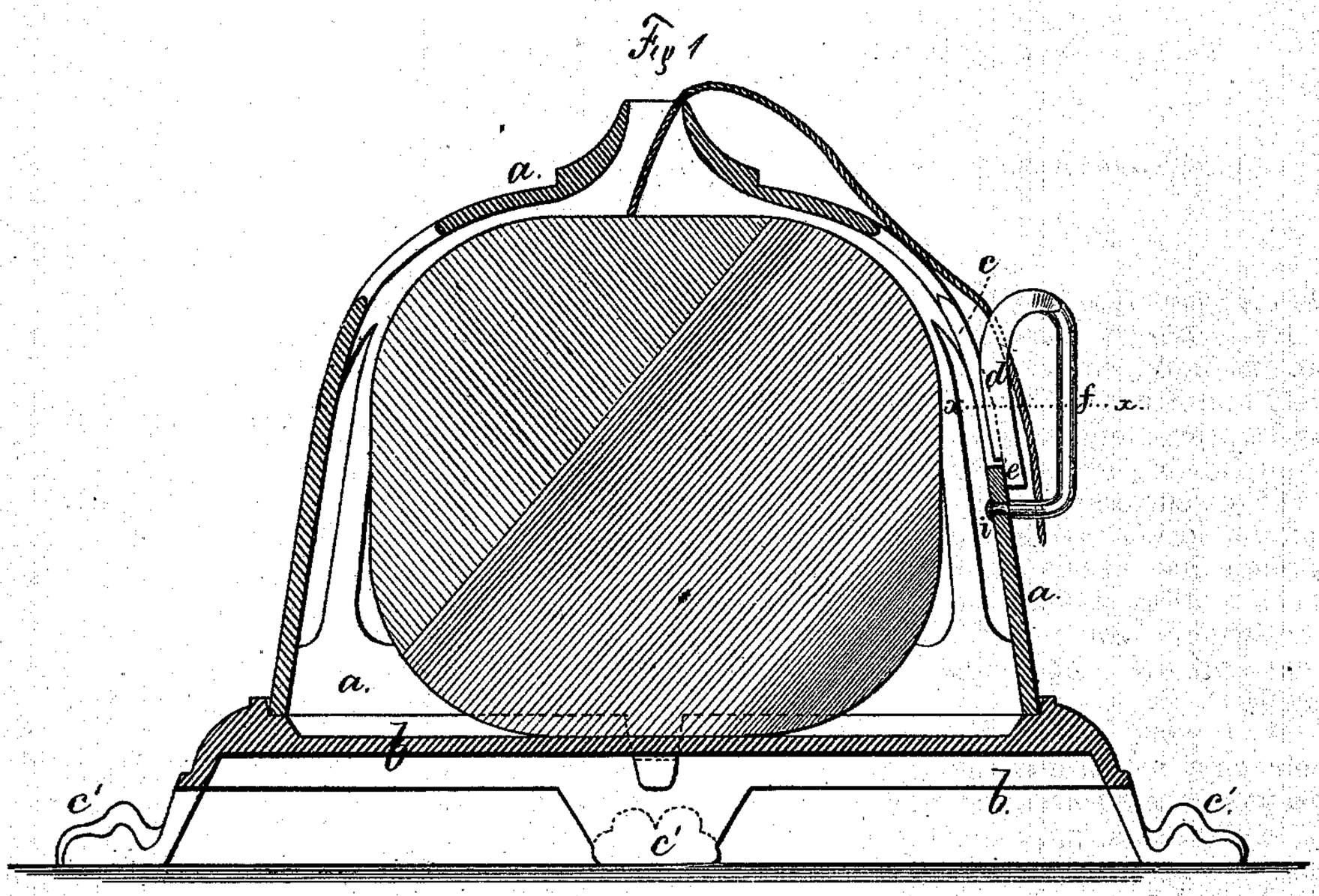
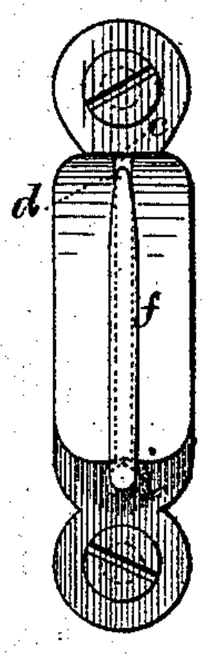


Fig. 3.



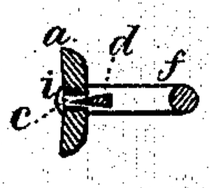


Fig. 2.

Witnesses,

Chas. A. Smith

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Inventor

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atty.

UNITED STATES PATENT OFFICE.

FREDERICK J. SEYMOUR, OF WOLCOTTVILLE, CONNECTICUT, ASSIGNOR TO TURNER, SEYMOUR AND JUDDS, OF SAME PLACE.

IMPROVEMENT IN TWINE-CUTTERS.

Specification forming part of Letters Patent No. **139,427**, dated May 27, 1873; application filed April 8, 1873.

To all whom it may concern:

Be it known that I, FREDERICK J. SEYMOUR, of Wolcottville, in the county of Litchfield and State of Connecticut, have invented an Improvement in Twine-Cutters, of which the following is a specification:

Twine-cutters have been made with a knife upon a spring riveted to a slotted plate, and a blade has been connected to wire-springs, so as to allow a slight motion to the knife as the twine is drawn across the blade, between that and the groove into which the edge of the knife passes.

My invention is made for simplifying the construction and lessening the cost of the said cutters. I make use of a twine-cutter composed of a blade, a spring, and a stop, made of one piece of metal, the stop being at one end of the blade, and the spring extending from the other end and returning at the back of the blade, and this is connected to a plate of metal having a groove or slot in it, into which the cutting-edge projects. This plate is, by preference, part of the metal basket holding the ball of twine.

In the drawing, Figure 1 is a section of a twine-holder with the knife attached thereto. Fig. 2 is a horizontal section at the line *x x*, and Fig. 3 shows the cutter on a separate plate.

The twine-holder shown is made of the metallic open-work dome *a* and base *b*, hinged or united together and resting upon legs *c'*; but such twine-holder may be of any other shape.

In the metal plate of the twine-holder there is a groove or slot, *c*, or said slot might be in a separate metal plate, and into this slot the cutting-edge of the knife *d* passes, and the depth to which it enters is determined by a stop, *e*, at one end of the knife. At the other end of the knife the metal thereof extends in the form of a spring, *f*, that returns behind the back of the knife, and then is bent at right angles, or nearly so, to enter the plate and secure the knife in place by riveting up the end of such spring-wire, as at *i*.

The metal of which the knife, spring, and stop are composed may be a wire, strip, or rod.

It will now be understood that the back *f* forms a spring that presses the knife *d* towards the slot *c*, and the stop *e* prevents the knife passing into the same beyond the proper depth.

This cutter is very simple and cheap; it is not liable to get out of order or be broken; and the blade itself is shielded by the spring-back.

I claim as my invention—

1. The blade *d*, with a stop, *e*, at one end, and the spring *f* extending from the other end, and returning at the back of the blade, and bent and attached to the plate, the blade, stop, and spring being made of a metallic wire or strip, as set forth.

2. A metal twine-holder having a slot in the same, in combination with the twine-cutting blade secured to such holder, and having the cutting-edge within such slot, as set forth.

Signed by me this 27th day of March, A. D. 1873.

F. J. SEYMOUR.

Witnesses:
LYMAN W. COE,
S. W. HARTMAN.