

E. L. CONKEY.
CIGAR PERFORATOR.

No. 174,488.

Patented March 7, 1876.

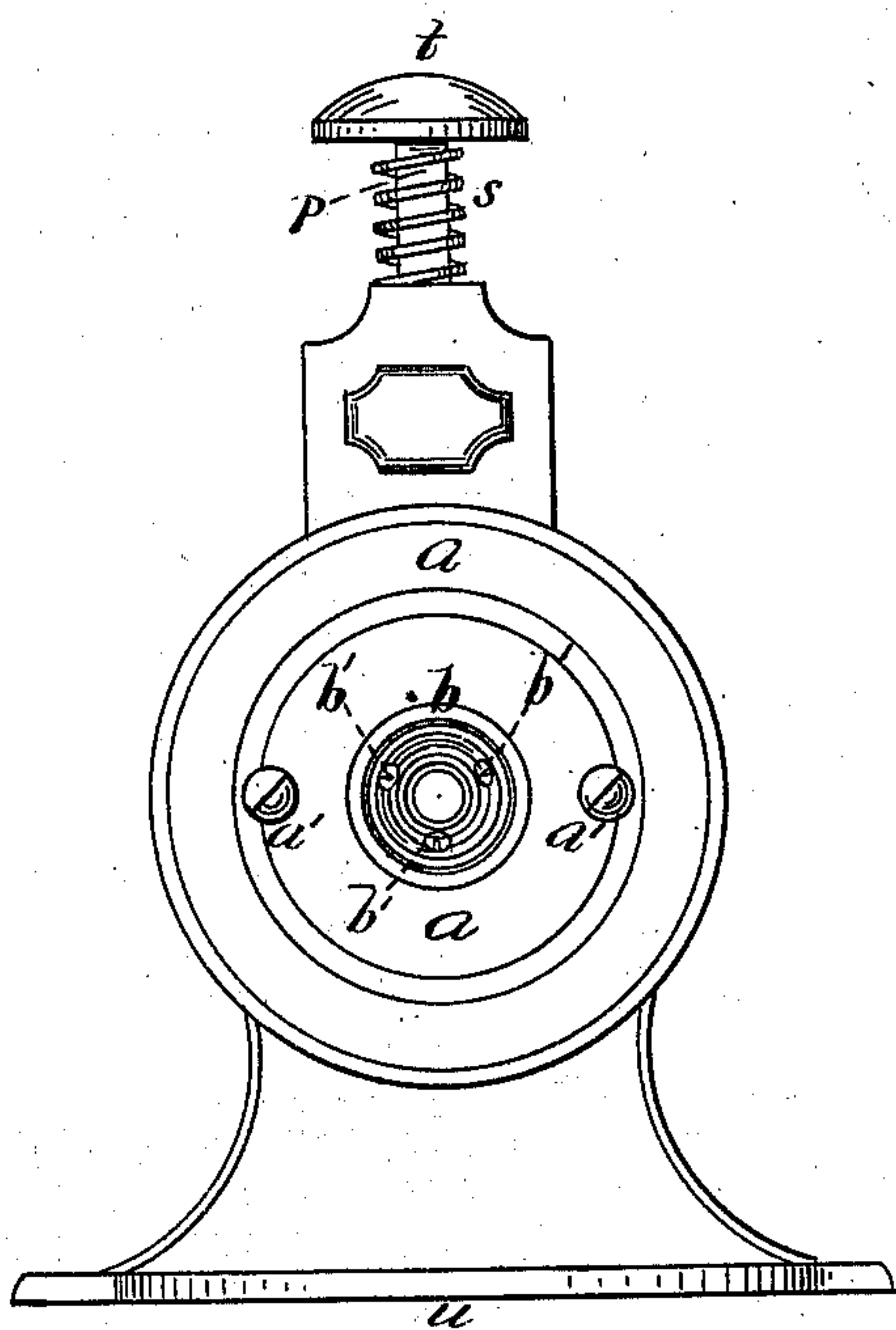


Fig. 1.

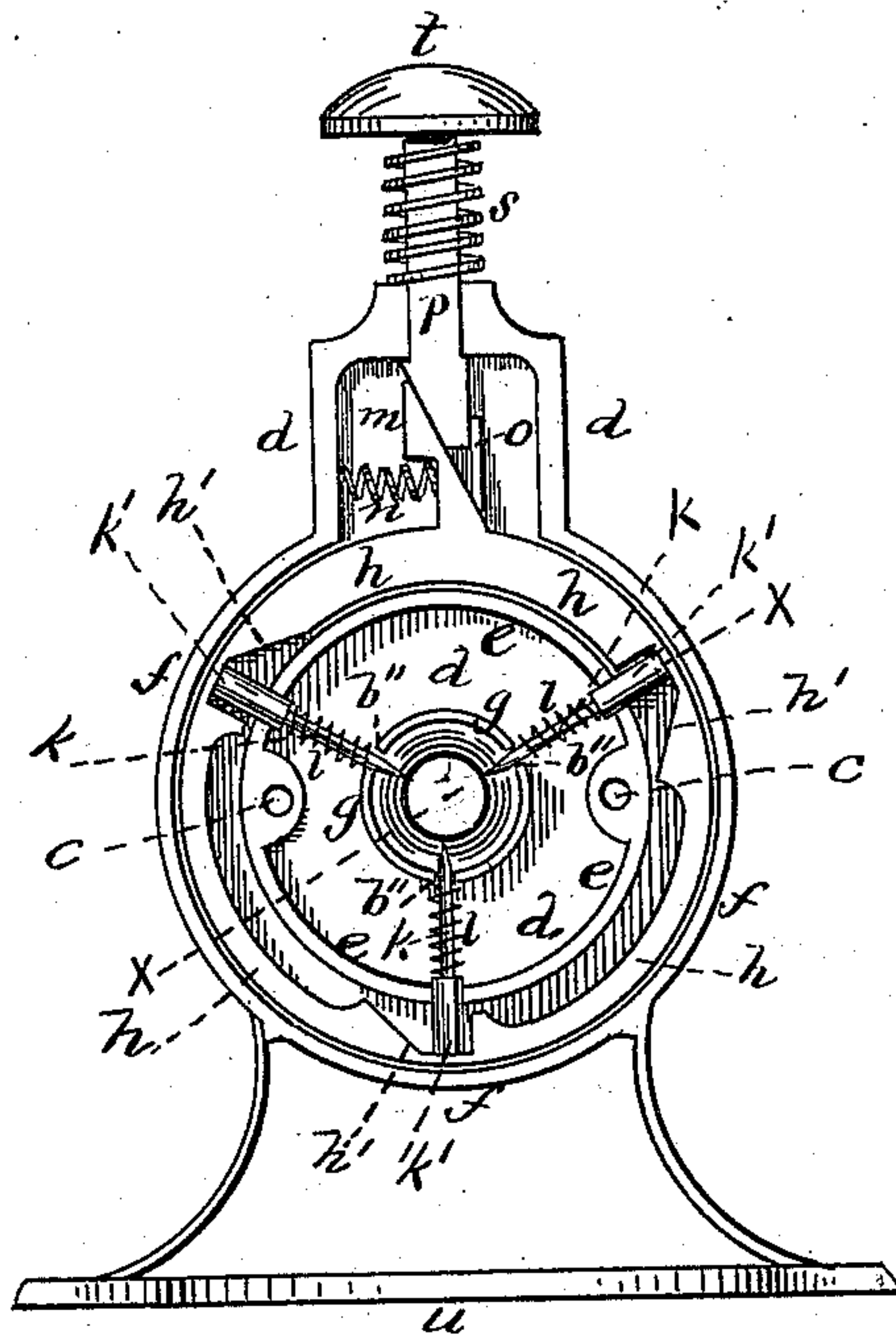


Fig. 2.

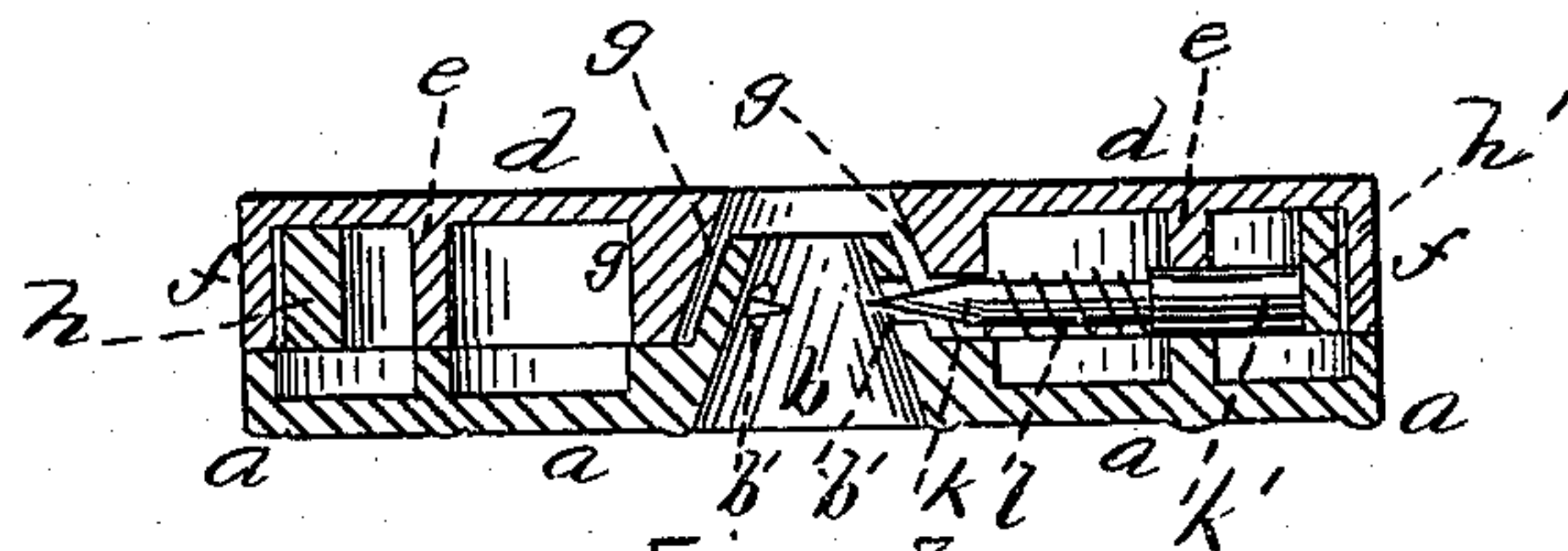


Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

EDWARD L. CONKEY, OF BOSTON, ASSIGNOR OF ONE-HALF HIS RIGHT
TO JOSEPH BOWMAN, OF WEYMOUTH, MASSACHUSETTS.

IMPROVEMENT IN CIGAR-PERFORATORS.

Specification forming part of Letters Patent No. **174,488**, dated March 7, 1876; application filed
January 22, 1876.

To all whom it may concern:

Be it known that I, EDWARD L. CONKEY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Cigar-Perforators; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention is a device made in the form of a stand, and capable of being screwed to a counter, table, or other article of furniture. It is provided with an opening, into which the tapering end of a cigar may be held with one hand, while the other hand, by pressing a knob or plunger, causes needles or perforators to enter the cigar at different points, thus making openings in it, and saving the smoker the necessity of cutting or biting the end, or puncturing it in any other manner.

In the accompanying illustration, Figure 1 is a front elevation of my device. Fig. 2 is an interior view, or a front elevation after the outer plate is removed. Fig. 3 is a section through the line *xx*, Fig. 2.

Similar letters of reference indicate corresponding parts.

a is a front metallic plate, attached to the flange *e* upon the rear or main plate *d* by means of screws *a'* screwing into holes *c*. *b* is a central opening, into which the cigar end is to be placed. The wall or side of this opening is perforated at the points *b'*, in order to allow the points of the needles or perforators to project through when desired. *d* is the main or rear plate, and is provided with a rim, *f*, a flange, *e*, provided with slots or openings, in which lie the thick ends of the needles, and the central flange *g*, provided with notches or slots *b''*, corresponding with the holes *b'* in the plate *a*, through which may pass the points of the needles. *h* is a metallic ring placed in the annular space between the flange *e* and rim *f*. This ring *h* is provided with beveled openings *h'*, in which lie the thick ends or shoulders *k'* of the needles or perforators *k*. Upon each needle *k*, confined between the shoulder *k'* and the flange *g*, is a spiral

spring, *l*. *m* is a projection extending from the upper side of the ring *h*, and holding in its notch the spiral spring *n*, which also presses against the side of the plate *d*. *p* is a plunger, surmounted by a knob, *t*. A spring, *s*, surrounds the plunger *p*, and presses against the top of the plate *d*. *u* is the base of the device, and it may be screwed or otherwise attached to any flat surface.

In practical operation, the device works as follows: After placing the tapering end of the cigar into the central opening *b*, press the knob *t*, and the cigar will be perforated. By pressing the knob *t* the plunger *p*, which is beveled at its lower end, is forced down between the projecting piece *o* and the projection *m*, compressing the spring *n* and forcing the projection *m* to one side. As the projection *m* and the ring *h* are of a single piece, the pushing of the said projection causes the ring *h* to rotate. The rotating of the ring *h* forces the thick ends of the needles (which are held in place by the openings in the flanges *e* and *g*) up the beveled sides of the openings *h'*, and the points of the needles are thus thrust through the openings *b'* into the cigar end. When the knob *t* is released, the spring *s* forces it back into its original position, and the springs *n* and *l* perform similar offices for the projection *m* and needles *k k'*.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the ring *h*, provided with the beveled openings *h'*, the needles *k k'*, provided with springs *l*, and the flanges *e g*, provided with openings or slots for said needles to rest in, substantially as and for the purposes above specified.

2. In combination with the knob *t*, plunger *p*, and springs, the projections *m* and *o*, spring *n*, ring *h*, and needles *k k'*, all constructed and arranged substantially as and for the purpose hereinbefore described.

EDWARD L. CONKEY.

Witnesses:

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