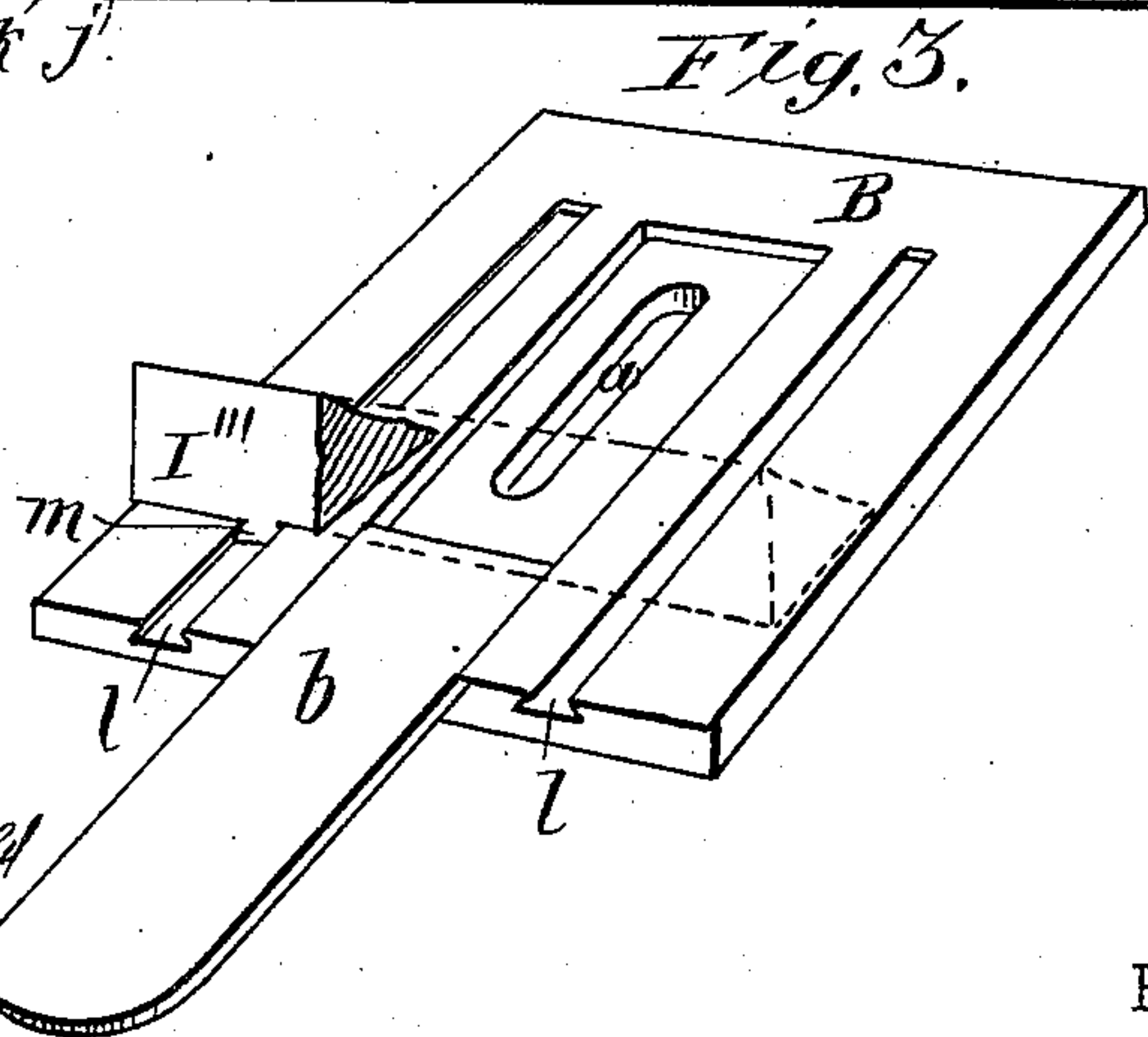
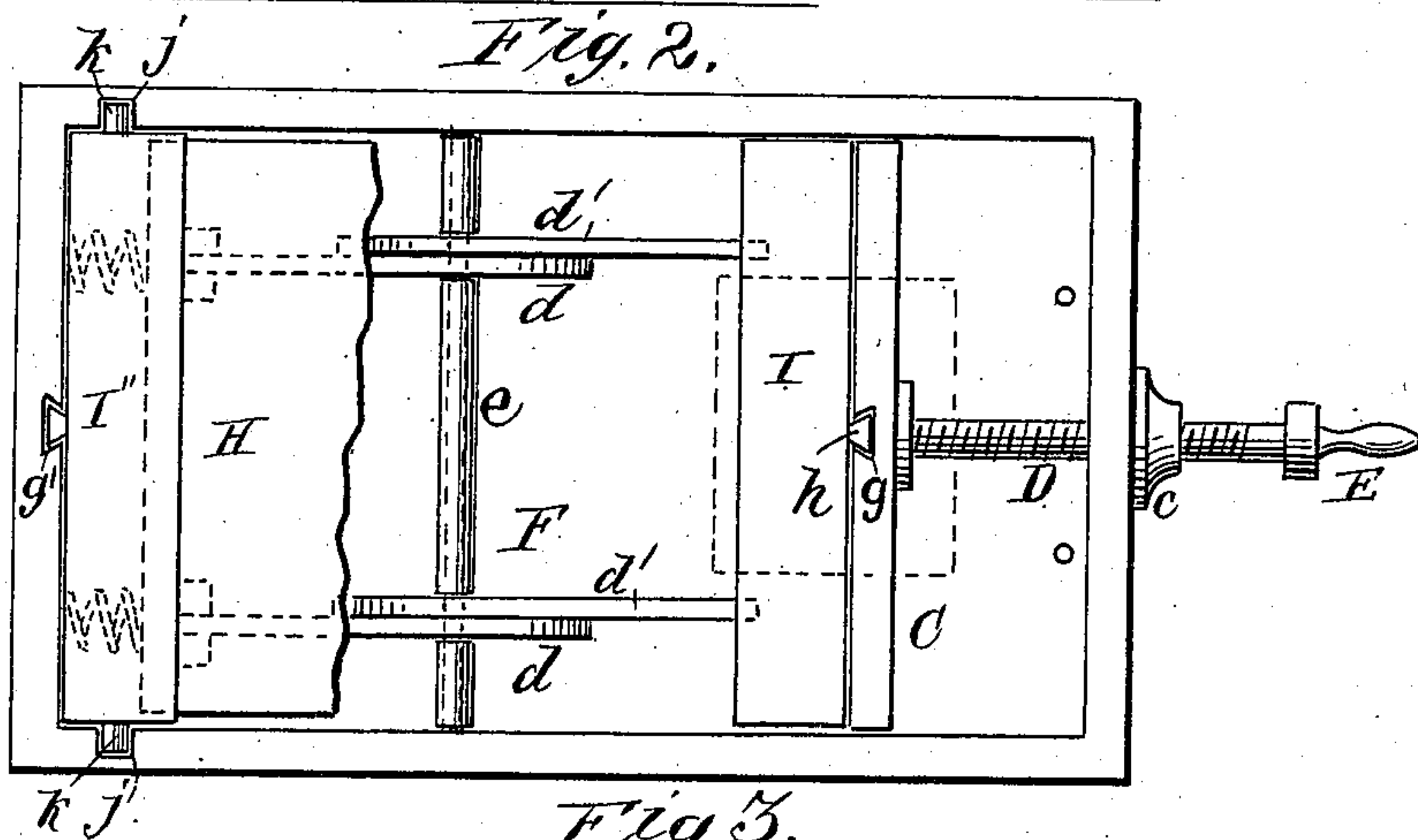
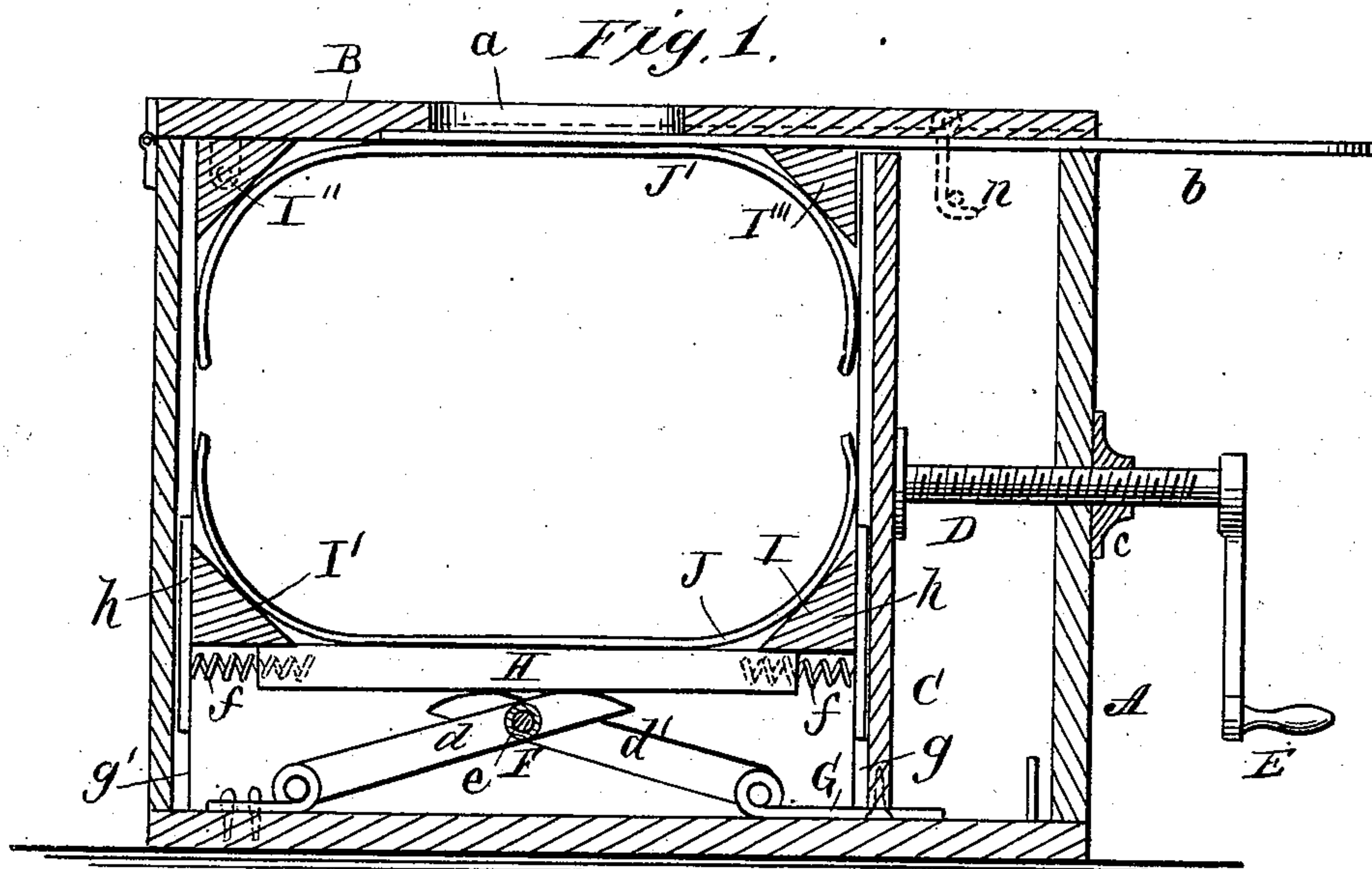


(No Model.)

T. W. HAUS.  
CIGAR BUNDLING MACHINE.

No. 352,749.

Patented Nov. 16, 1886.



WITNESSES:

*J. D. Larfield*  
*C. Sedgwick*

INVENTOR:

*T. W. Haus*

BY

*Munn & Co.*

ATTORNEYS.



# UNITED STATES PATENT OFFICE.

T. WILSON HAUS, OF MEADVILLE, PENNSYLVANIA.

## CIGAR-BUNDLING MACHINE.

SPECIFICATION forming part of Letters Patent No. 352,749, dated November 16, 1886.

Application filed March 19, 1886. Serial No. 195,871. (No model.)

*To all whom it may concern:*

Be it known that I, T. WILSON HAUS, of Meadville, in the county of Crawford and State of Pennsylvania, have invented a new and useful Improvement in Cigar-Bundling Machines, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a vertical transverse section. Fig. 2 is a plan view with parts broken away to show the internal construction. Fig. 3 is a detail perspective view of the cover of the box, with a part of the triangular corner-block broken away.

Similar letters of reference indicate corresponding parts in the different figures of the drawings.

The object of my invention is to provide a simple and convenient device for bundling cigars, and holding them while they are being tied.

My invention consists in a box provided with a side and bottom follower, with a trestle for supporting and raising the bottom follower, a screw connected with the side follower and passing through the side of the box, and in movable triangular corner-blocks filling the corners of the space occupied by the cigars; also, in an apertured cover provided with a slide for closing the aperture.

The box A has a cover, B, which is hinged thereto and provided with an oblong opening, *a*, near its center, and with a slide, *b*, for closing the opening *a*. To the box A is fitted a follower, C, swiveled to the end of a screw, D, which passes through the side of the box A, and through a nut, *c*, attached thereto. The follower C is provided with a hand-crank, E, by which it may be turned.

In the bottom of the box is placed a trestle, F, formed of two pairs of oppositely-arranged levers, *d d'*, pivoted on the rod *e*, extending across the box A. The longer arms of the levers *d* are pivotally connected with the bottom of the box A, and the longer arms of the levers *d'* are pivotally connected with the plate G, which is attached to and carried by the follower C. The shorter arms of the levers *d d'* project beyond the pivotal rod *e*, and are rounded, as shown in Fig. 1, and upon the rounded ends of these levers is supported the

bottom or lower follower, H. The edges of the follower H are bored to receive spiral springs *f*, which press against the side of the box and against the follower C and hold the follower H in an approximately central position.

In the follower C is formed a dovetailed groove, *g*, in which is received the dovetailed tongue *h*, attached to the triangular corner-piece I. The projecting edge of the corner-piece I rests upon the follower H. In a similar way the end of the box is provided with a dovetailed groove, *g'*, which receives a dovetailed tongue, *h*, carried by the triangular corner-piece I'. The projecting edge of the corner-piece I' rests upon the follower H.

In the upper edges of the side pieces of the box, near the hinged end thereof, are formed recesses *j*, for receiving trunnions *k*, projecting from the ends of the triangular corner-piece I'', thus suspending the corner-piece at the hinged corner of the box. In the cover B are formed two dovetailed grooves, *l*, in which are received correspondingly-shaped projections *m* on the triangular corner-piece I'''.

To the follower H is secured a lining, J, of felt or other soft material, which extends over the corner-pieces I I' and a short distance up the end of the box and up the follower C, and to the cover B is secured a felt lining, J', which extends over the triangular corner-blocks I'' I''' and partly down the end of the box and follower C, and has an aperture corresponding with the opening *a* of the cover.

The ribbon or tape employed for tying the bundle of cigars is placed across the follower H and along the follower C and the end of the box, and the cigars to be bundled are placed in the box within the ribbon upon the follower H. The triangular corner-piece I'' is put in its place, the cover B is closed down upon the box A, with the triangular piece I''' between the cigars contained by the box and the follower C, and the cover is fastened, by means of hooks *n*, on opposite sides of the box. By moving the follower C forward, by means of the screw D, the space between the follower and the opposite end of the box is diminished. At the same time the angle between the levers *d d'* is lessened, thus raising the follower H simultaneously with the forward movement of



the follower C. This operation contracts the space occupied by the cigars, so that they are pressed closely together in condition to tie when the slide *b* is withdrawn, and the ribbon or tape surrounding the bundle is tied through the aperture *a* of the cover.

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

10 1. The combination, in a cigar-bundler, of the box A, follower C, fitted to the box, follower H, the levers *d d'*, jointed together and supporting the follower H and arranged to be moved by the follower C, to which lever *d'* is attached, and means, substantially as described, for moving forward the follower C.

20 2. In a cigar-bundler, the combination of the box A, the follower C, fitted thereto, levers *d d'*, jointed to each other and to the box bottom and connected with the follower C, the follower H, the corner-pieces I I' I'' I''', and means for operating the follower C, substantially as herein shown and described.

25 3. The combination of the box A, follower C, fitted thereto, the screw D, adapted to move the follower, the levers *d d'*, pivoted to the box-bottom and connected with the follower C, the follower H, supported by the levers, the springs *f*, guiding the follower H, the triangular corner-pieces I I' I'' I''', the apertured cover B, and the slide *b* fitted thereto, substantially as herein shown and described.

4. The combination of the box A, follower C, fitted thereto, the screw D, adapted to move the follower, the levers *d d'*, pivoted to the box-bottom and connected with the follower C, the follower H, supported by the levers, the springs *f*, guiding the follower H, the triangular corner-pieces I I' I'' I''', the lining J J', and the apertured cover B and slide *b* fitted thereto, substantially as herein shown and described.

5. The combination of the box A, provided with the groove *g'* and the recesses *j*, the follower C, fitted to the box and provided with the dovetailed groove *g*, the screw D, arranged to move the follower, the levers *d d'*, pivoted to each other and to the box-bottom and pivotally connected with the follower C, the follower H, provided with the springs *f*, the triangular corner-pieces I I', provided with the dovetailed tongues *h*, the triangular corner-piece I'', having the trunnions *k*, the triangular corner-piece I''', provided with screws *m*, and the apertured cover B, having the dovetailed grooves *l*, and provided with the slide *b*, as described.

T. WILSON HAUS.

Witnesses:

ISAAC MONDERAN,  
H. H. THOMPSON.