

(No Model.)

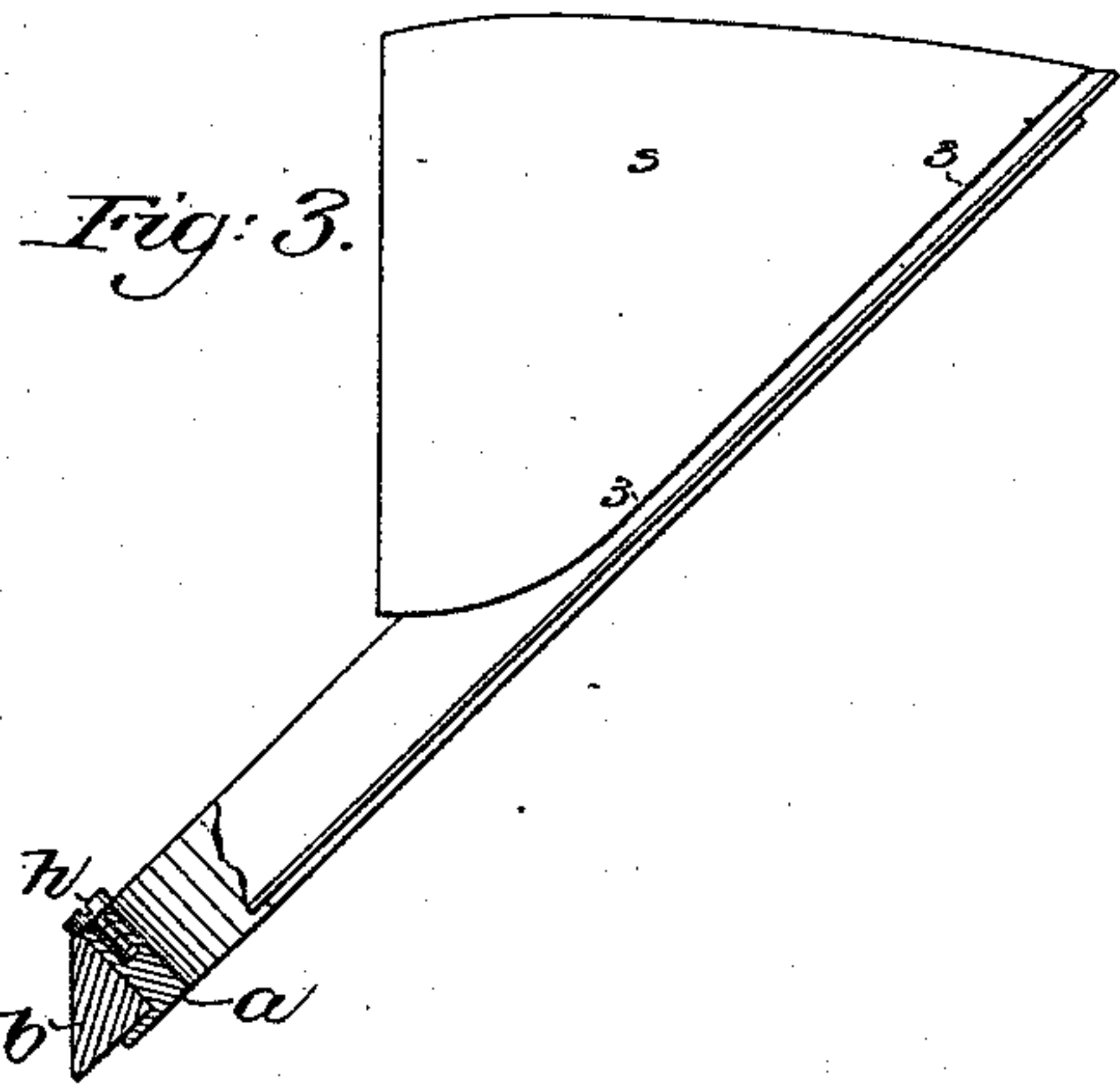
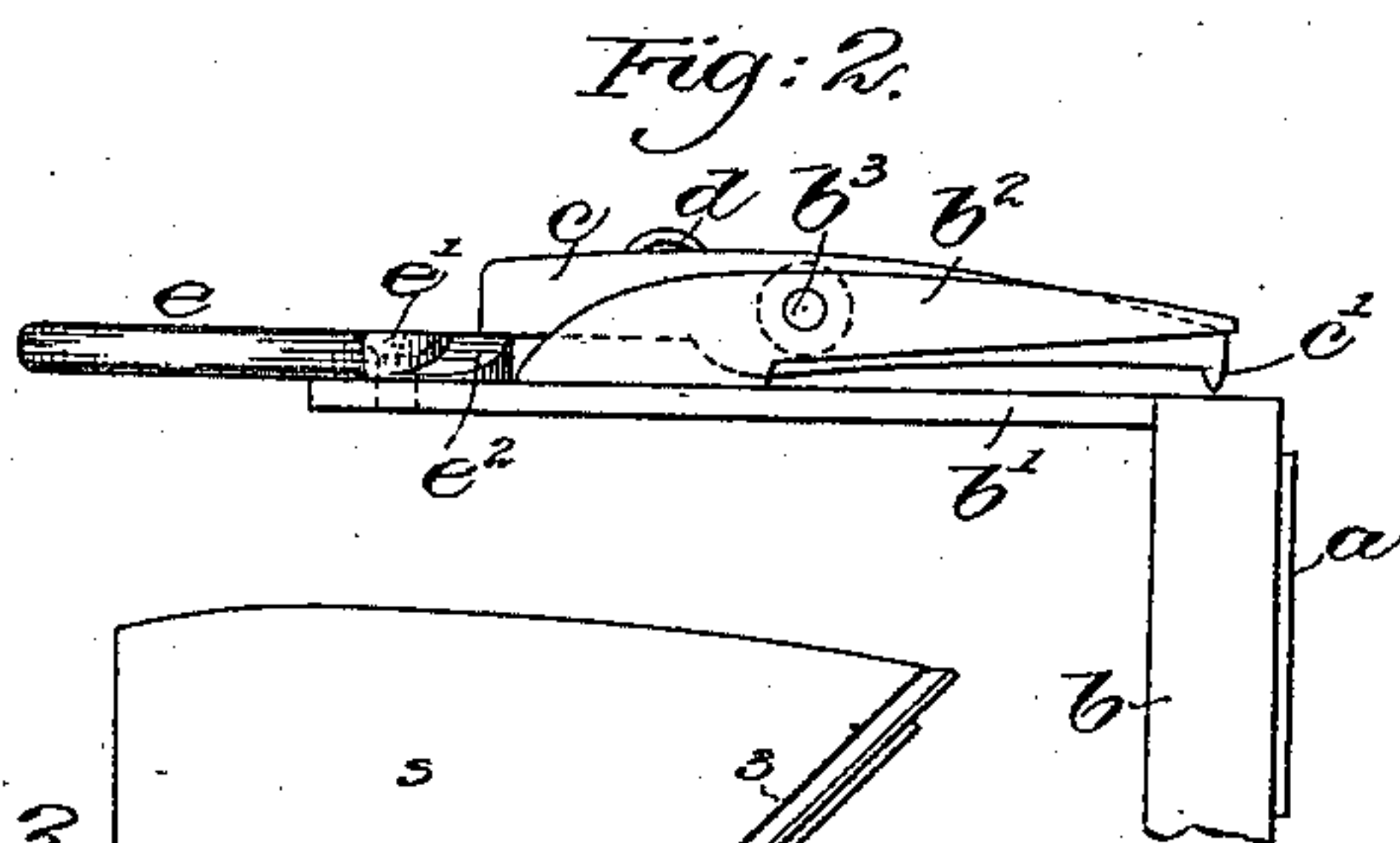
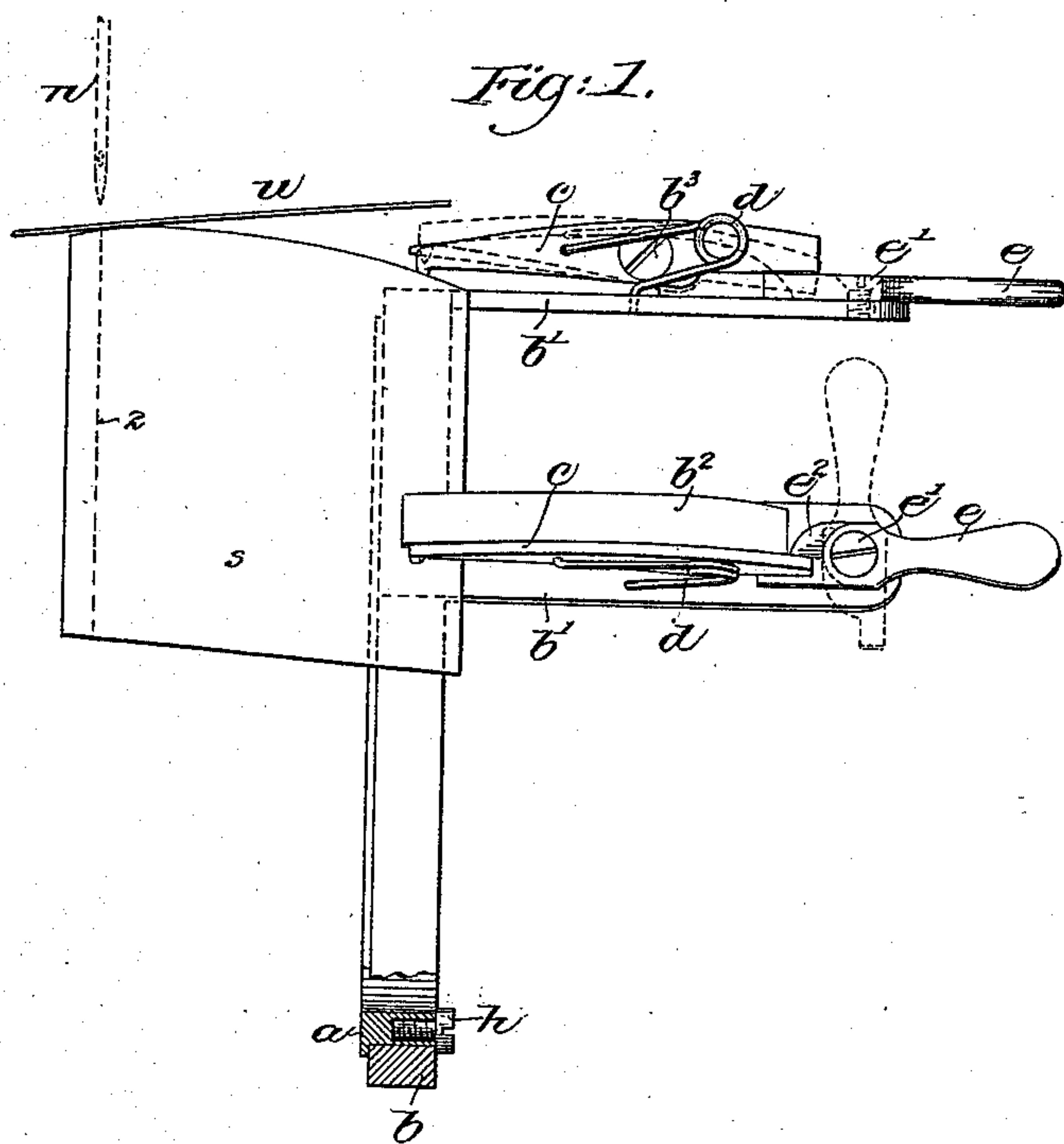
2 Sheets—Sheet 1.

J. BARRETT.

COUNTER HOLDER FOR SHOE SEWING MACHINES.

No. 413,706.

Patented Oct. 29, 1889.



Witnesses.

Fredrick L. Emery.
Fred. S. Dumble of

Inventor.

Jonathan Barrett,
by Leroy H. Gregory
Attys

(No Model.)

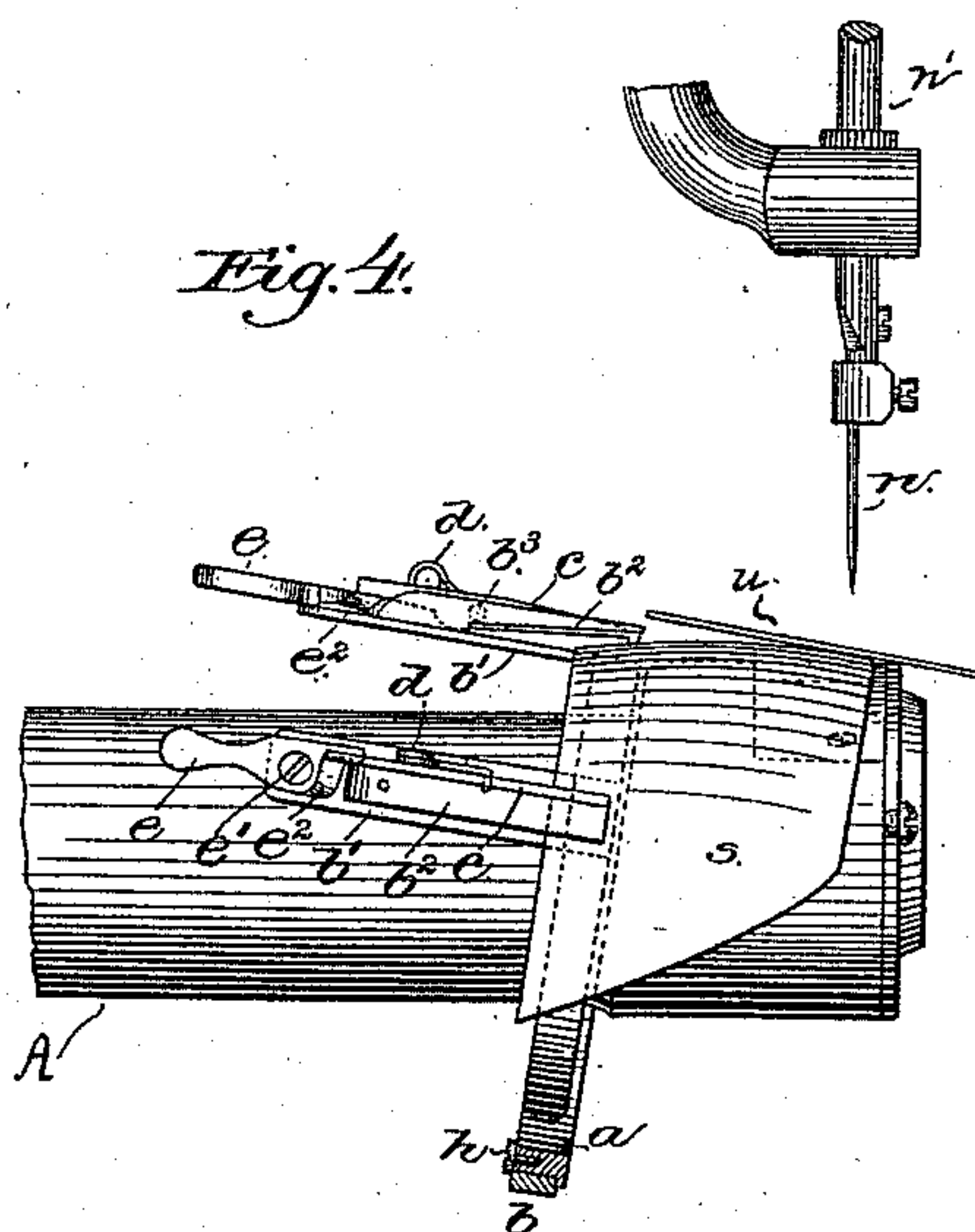
2 Sheets—Sheet 2.

J. BARRETT.

COUNTER HOLDER FOR SHOE SEWING MACHINES.

No. 413,706.

Patented Oct. 29, 1889.



Witnesses.
John F. B. Printz
Howard F. Eaton

Inventor.
Jonathan Barrett.
by Crosby & Mayory attys.

UNITED STATES PATENT OFFICE.

JONATHAN BARRETT, OF MELROSE, MASSACHUSETTS.

COUNTER-HOLDER FOR SHOE-SEWING MACHINES.

SPECIFICATION forming part of Letters Patent No. 413,706, dated October 29, 1889.

Application filed July 30, 1888. Serial No. 281,383. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN BARRETT, of Melrose, county of Middlesex, State of Massachusetts, have invented an Improvement in Counter or Stiffener Holders, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide a counter or stiffener holder by which to hold a counter or stiffener as it is being stitched in place about its upper edge to the quarter of a boot or shoe, the said holder being adapted for use with a sewing-machine.

In accordance with my invention the sewing mechanism will have mounted upon it, in proper place with relation to the stitch-forming mechanism, a movable carrier, to which is connected a clamp, which engages the counter or stiffener and retains firm hold upon the same while it is being stitched to the quarter.

My invention consists, essentially, in the combination, with a movable carrier, of a clamp to engage and hold a stiffener while the same is being stitched to a boot or shoe, the said carrier being movable to follow the upper.

Figure 1 is a side elevation and partial section of a holder embodying my invention, a stiffener being held by the clamping portions of the holder; Fig. 2, a detail of part of the holder shown in Fig. 1, to better illustrate the opposite side of one of the clamping portions; and Fig. 3 is a modification to be referred to. Fig. 4 is a partial side elevation of a sufficient portion of a sewing-machine with my invention applied thereto to enable the same to be understood.

My improved counter-holder will preferably be composed of a race or support *a* and a carrier *b*, movable on said race. Let it be supposed that the race or support *a* is applied to a sewing-machine having a horizontally-extended or tubular arm *A*, in which moves any usual form of under-thread carrier or loop-taker—a machine such as commonly used for stitching uppers for boot and shoe work. The race or support *a* receives and guides the ring or carrier *b*, which, as represented, has around its circumference, and substantially at right angles to the plane of the carrier, several arms or projections *b'*, having

ears or uprights *b²*, which receive pins or studs *b³*, forming the fulera for the series of clamping fingers or devices *c*, having their inner ends extended to occupy a position over the periphery of the ring or carrier, and co-operating with the ring or carrier, form a series of clamps, each finger *c* being shown as acted upon by a spring *d*, which normally keeps the pointed inner end of the finger elevated, the said finger being moved at the proper time to engage the stiffener by a cam button or lever *e*, pivoted at *e'* and having an inclined or beveled end or portion *e²*. The clamp is closed to hold the stiffeners when the lever *e* is as in full lines, Fig. 1, but when as in dotted lines the spring is permitted to act and open the clamp.

The holder represented in Fig. 1 is supposed to have three like clamps, one to hold the counter near its middle and the other two near its ends. The reciprocating needle *n* of the sewing-machine and needle-bar *n'* are and may be of any usual form.

The upper *u* will be extended over the stiffener, as represented in Figs. 1 and 4.

The machine having been started, the stitching will be made through the upper and stiffener in the dotted line 2. If the stiffener has a uniformly-curved top, as in Fig. 3, then the race or support will be set at a greater inclination, so that the ring *b*, having its face beveled at an angle of forty-five degrees, will support and move the stiffener, so that its curved edge 3 will travel in such path as to be presented under the needle of the sewing-machine. The arms *b'* and fingers *c* constitute each a clamp, and I have shown several such clamps arranged in a circle. The screws *h* serve to keep the ring or carrier on the race *a*.

I claim—

1. The carrier and its circumferentially-attached arms *b'*, having uprights *b²* thereon, combined with the spring fingers or jaws *c*, pivoted upon said uprights, and cam-levers *e*, having beveled portions *e²* to act upon the end of the fingers against the action of the springs, substantially as described.

2. The carrier and its arms *b'*, projecting therefrom at substantially right angles, combined with the pivoted fingers or jaws *c* upon said arms, and with springs adapted to nor-

mally elevate said fingers, and with cams to move the said fingers into operative position against the action of said springs, substantially as described.

- 5 3. The race or support and the carrier movable thereon, combined with pivoted clamps attached to and projecting from the said carrier, the inner ends of the clamps being extended over the periphery of the carrier, substantially as described.
- 10

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JONATHAN BARRETT.

Witnesses:

JAS. H. CHURCHILL,
FREDK. L. EMERY.