

(No Model.)

J. H. CUTTEN.

ATTACHMENT FOR BOOT AND SHOE SEWING MACHINES.

No. 275,365.

Patented Apr. 10, 1883.

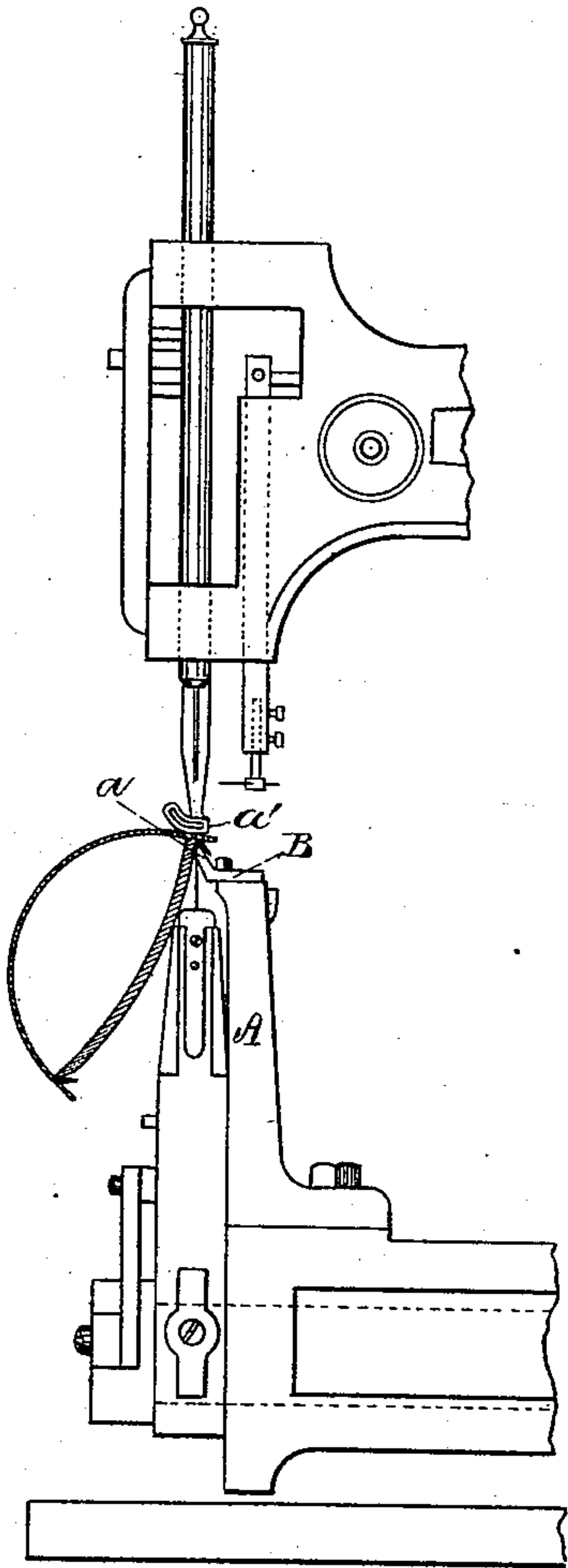


Fig. 1.

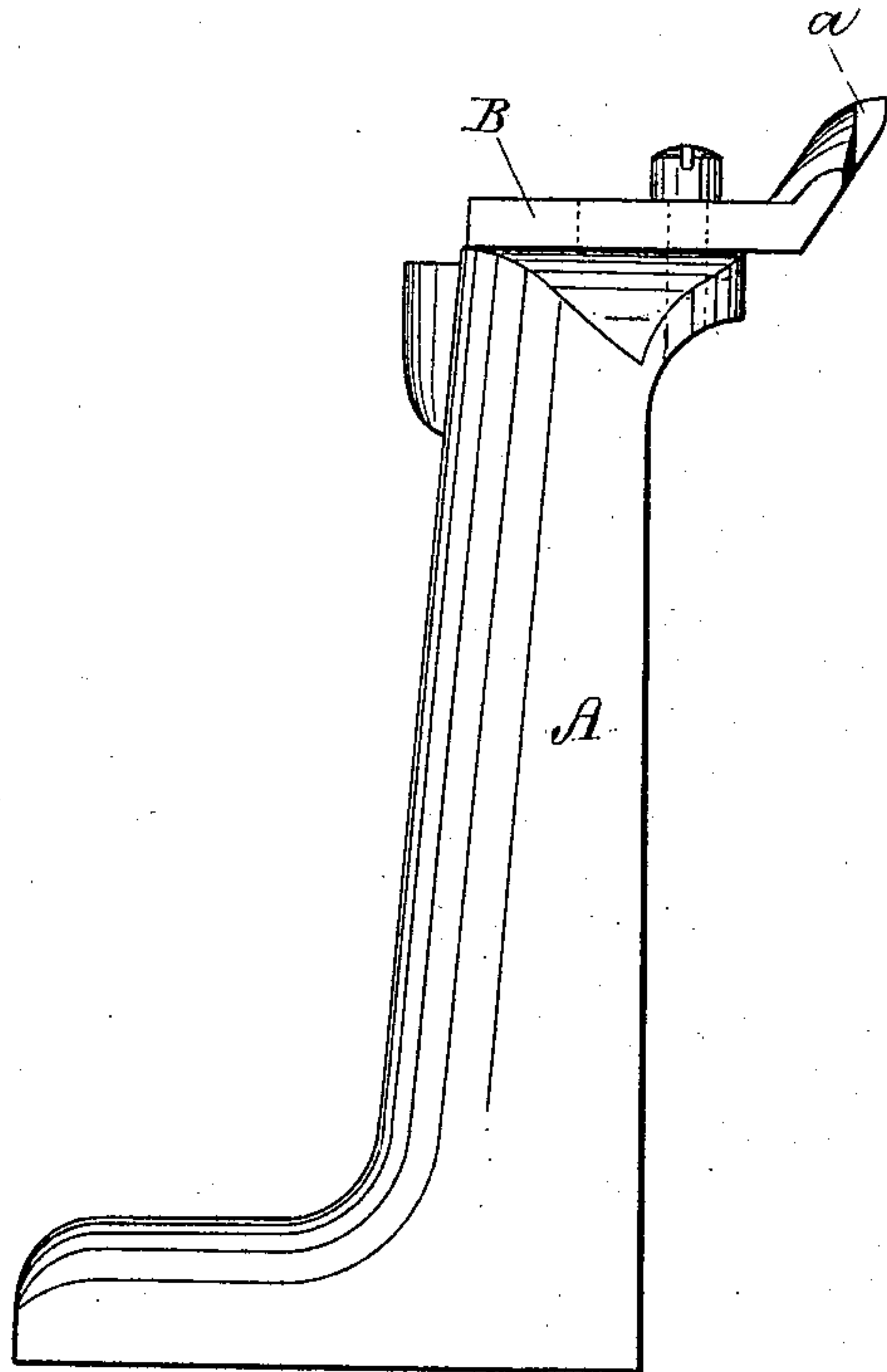


Fig. 2.

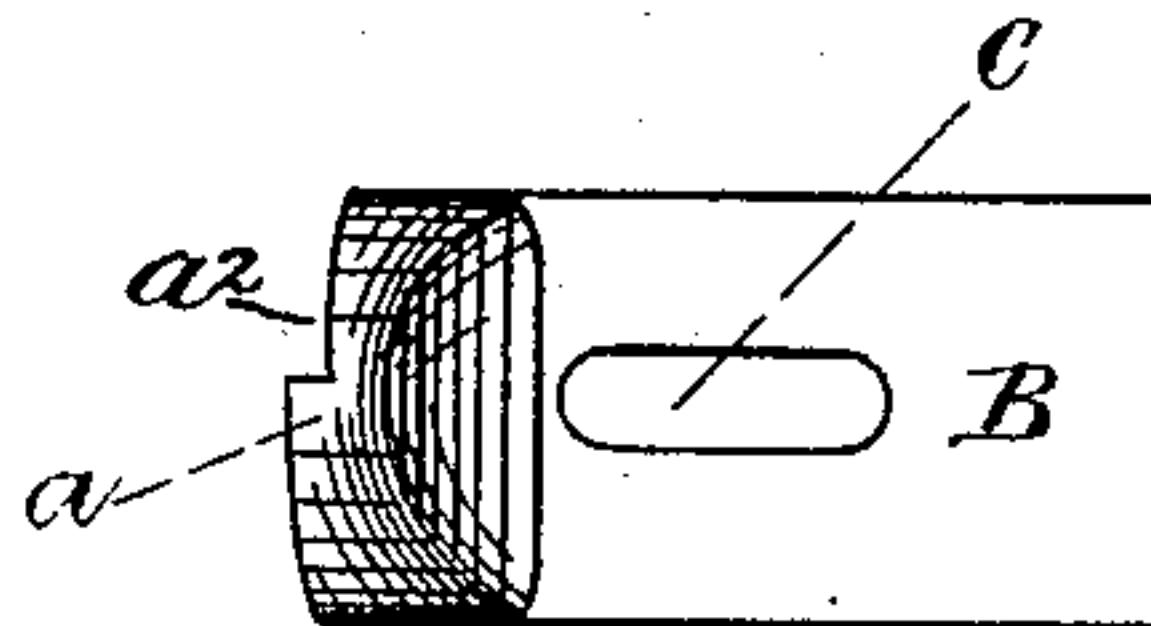


Fig. 3.

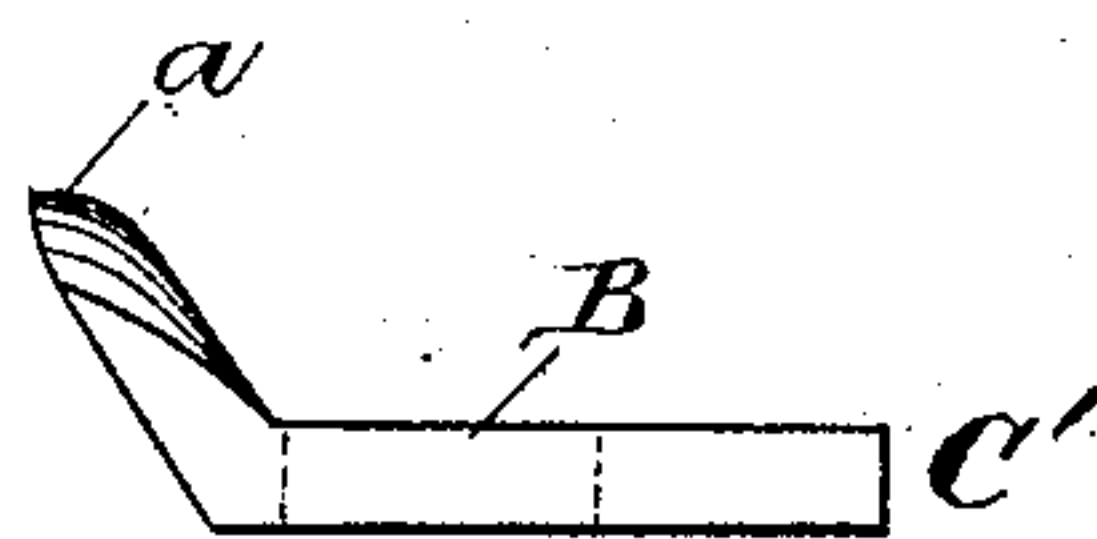


Fig. 4.

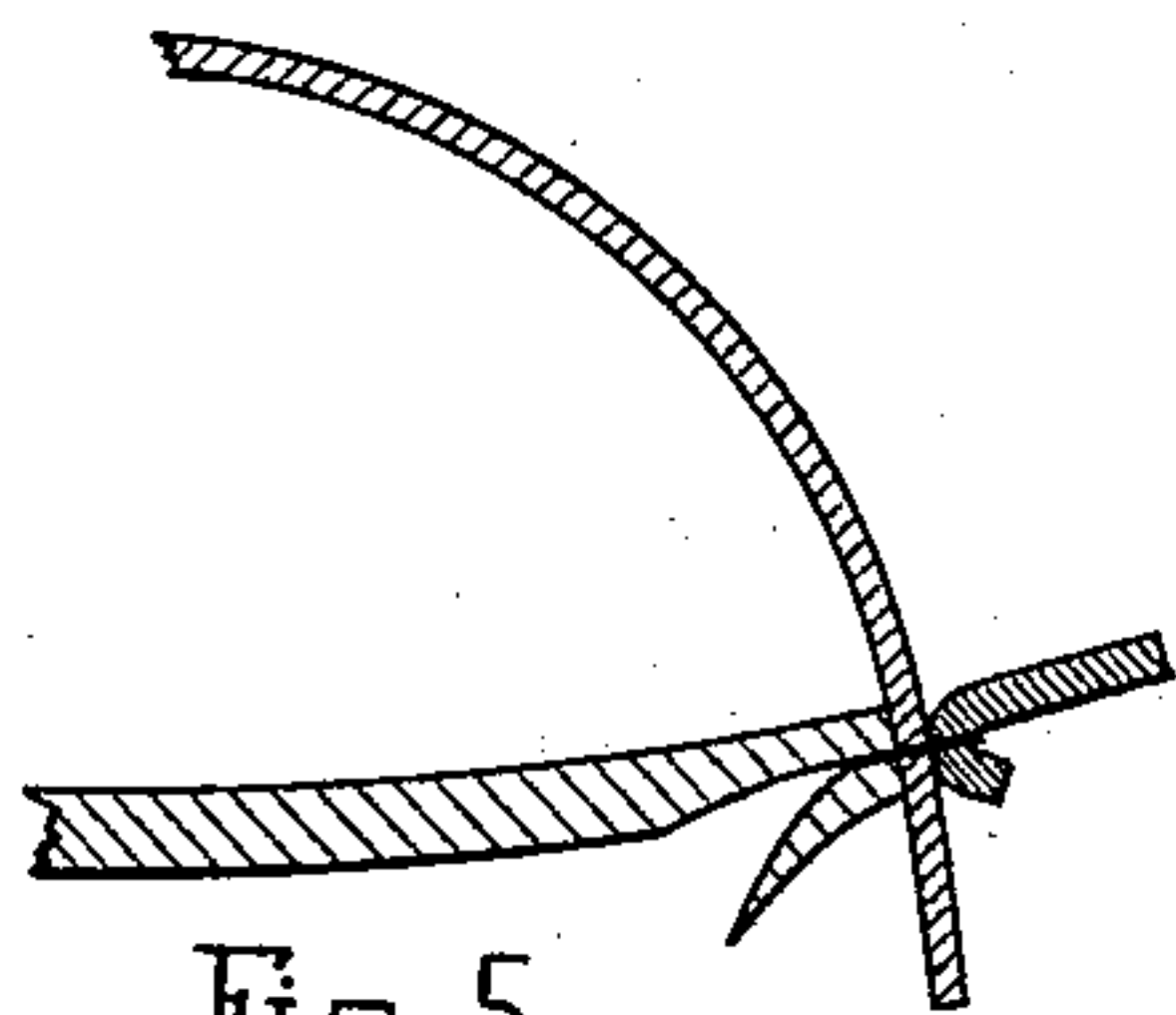


Fig. 5.

Witnesses.
Matthew Clark.
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att'y

UNITED STATES PATENT OFFICE.

JAMES H. CUTTEN, OF BOSTON, MASS., ASSIGNOR TO THE NATIONAL WATERPROOF SHOE COMPANY, OF PORTLAND, MAINE.

ATTACHMENT FOR BOOT AND SHOE SEWING MACHINES.

SPECIFICATION forming part of Letters Patent No. 275,365, dated April 10, 1883.

Application filed February 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. CUTTEN, of Boston, county of Suffolk, State of Massachusetts, have invented certain new and useful
5 Improvements in Attachments for Boot or Shoe Sewing Machines, of which the following is a full, clear, concise, and exact description, taken in connection with the drawings accompanying and forming a part hereof, in
10 which—

Figure 1 is a side view of the front parts of a wax-thread sewing-machine with my improvement attached, and showing a cross-section of a shoe in position to be sewed. Fig. 2
15 shows the post of the machine with my improved guide and rest attached. Figs. 3 and 4 are respectively plan and side views of the guide and rest attachment detached. Fig. 5 is a section through one side of fore part of
20 shoe, showing manner of fastening the parts.

My attachment is designed to be used on a straight needle wax-thread sewing-machine, and by its use such a machine is adapted for sewing the inner soles of a boot or shoe to the
25 upper or upper and welt, in the manner shown in the application of Lee E. Moore, of Boston aforesaid, for a patent for an improvement in boots and shoes filed January 29, 1883. In that application the inner sole is shown with a
30 downwardly-projecting flap at the edge. It will be obvious, however, that the inner sole may be channeled on the bottom or lower side, near the edges, in such a manner that the flap of the channel will project inward to-
35 ward the center of the sole, as shown at Fig. 5, and by the use of my attachment an inner sole so channeled may be readily sewed to the upper or upper and welt on many of the well-known wax-thread machines. I am also
40 enabled by the use of my attachment to make a turned shoe which will have the loop ends of the stitches on the sole.

In the accompanying drawings, B indicates my work rest and guide, which consists of
45 the horizontal part C', and the inclined upwardly-projecting beak *a*, rounded at the top, and provided with the notch *a*², which is open rearwardly from the point at which the needle passes. This guide is secured to the top
50 of the post A by a screw which works in a slot, C, in the guide, so that the guide may be adjusted with reference to the needle. By the use of a guide of this construction the post may be set farther back from the line of the

needle, and thus out of the way of the work 55 while it is being sewed. The projecting beak *a* of the guide B serves not only as a guide, but also as a rest to hold the work up, and enables the stitches to be laid with their loop ends on the under side of the inner sole or in 60 a groove or channel formed, as shown, therein, thus producing a neat seam on the out or welt side, where a neat line of stitches, free from bunches, is desirable. When a welt is sewed on, a welt-guide, *a'*, is used. This guide 65 is secured in such position with reference to the needle as to hold and lay the welt in proper place to be secured to the shoe by the same sewing operation which secures the up-
70 per to the sole.

In sewing the upper or upper and welt to the inner sole of a boot or a shoe on a machine provided with my attachment, if the inner sole is channeled, as in Fig. 5, the operator places the channel over the beak *a* of the guide 75 B, and the needle enters from the channel and proceeds outwardly, the channel being guided upon the beak *a* of the rest. If the inner sole is to be sewed through a flap, as shown in the said application of Moore, above referred to, 80 the work is placed on the guide or rest B, so that the beak *a* will press against the under side of the inner sole at the foundation of the projecting flap—that is, at the point where the flap turns downwardly. 85

In making a turned shoe, as will be obvious, the needle will first enter the sole, and the loops of the stitches will be laid in the groove or channel in the sole or on the inside surface of the sole when the shoe is turned. 90

What I claim is—

1. A work rest and guide B, adapted to be attached to the post of a sewing-machine, consisting of the horizontal portion C' and the inclined upwardly-projecting beak *a*, provided 95 with the open notch *a*², substantially as set forth.

2. In combination with a welt-guide, *a'*, a work rest and guide B for a sewing-machine, consisting of the horizontal portion C', and 100 the inclined upwardly-projecting beak *a*, provided with the open notch *a*², substantially as described.

JAMES H. CUTTEN.

In presence of—

WM. A. MACLEOD,
ROBERT WALLACE.