

S. A. DAVIS.

Hemmers for Sewing-Machines.

No. 151,202.

Patented May 26, 1874.

Fig. 1.

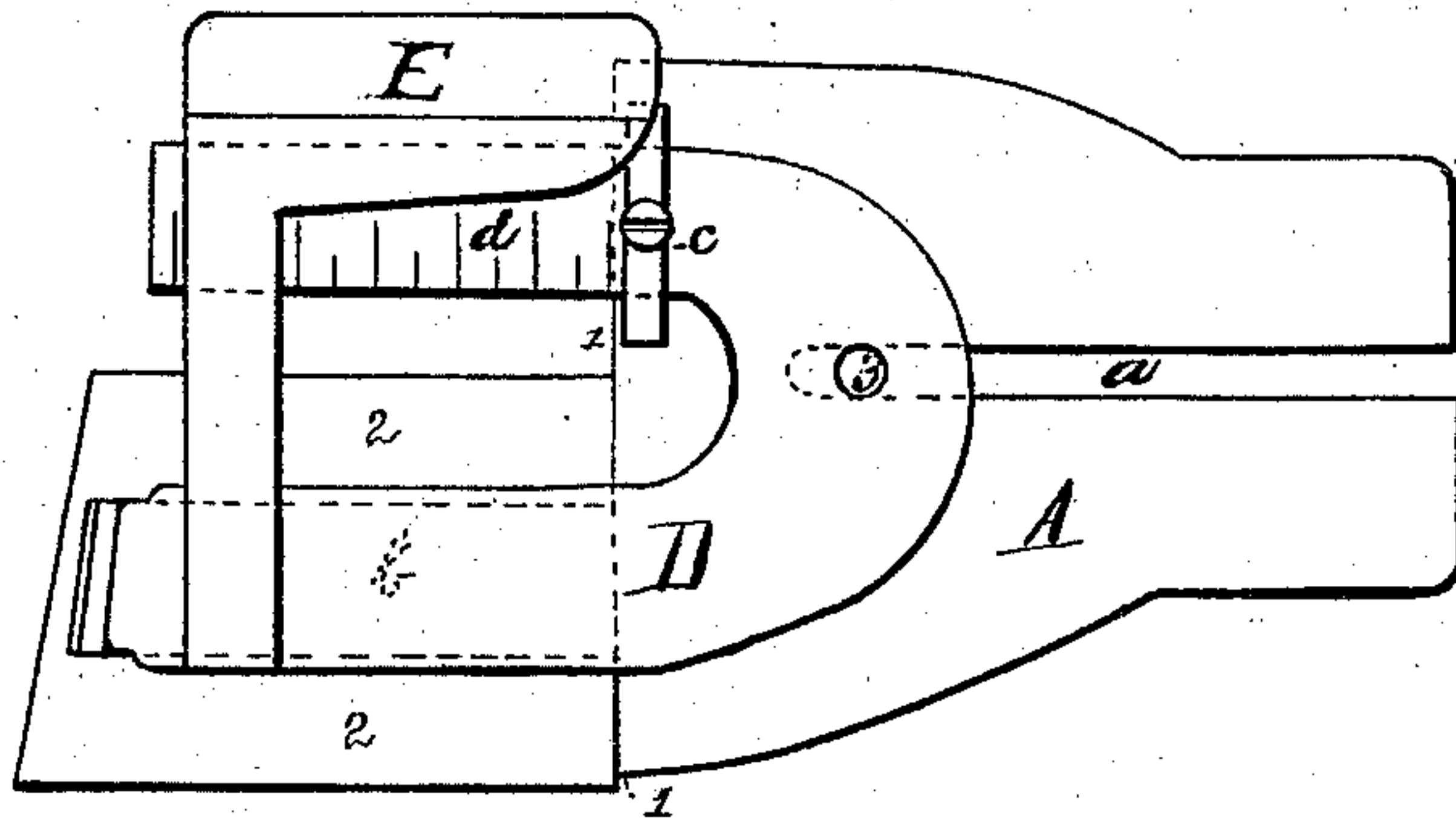


Fig. 3

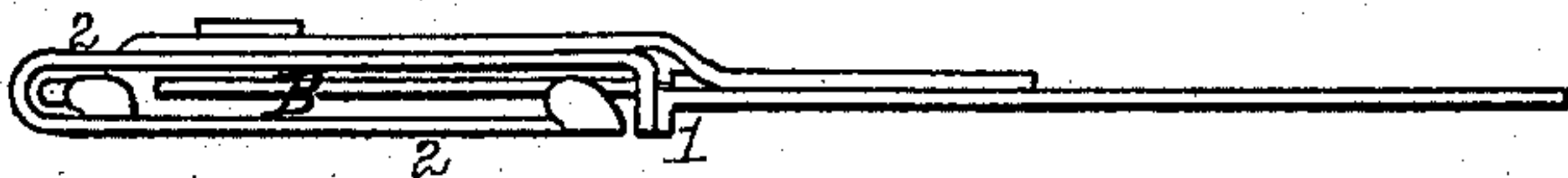
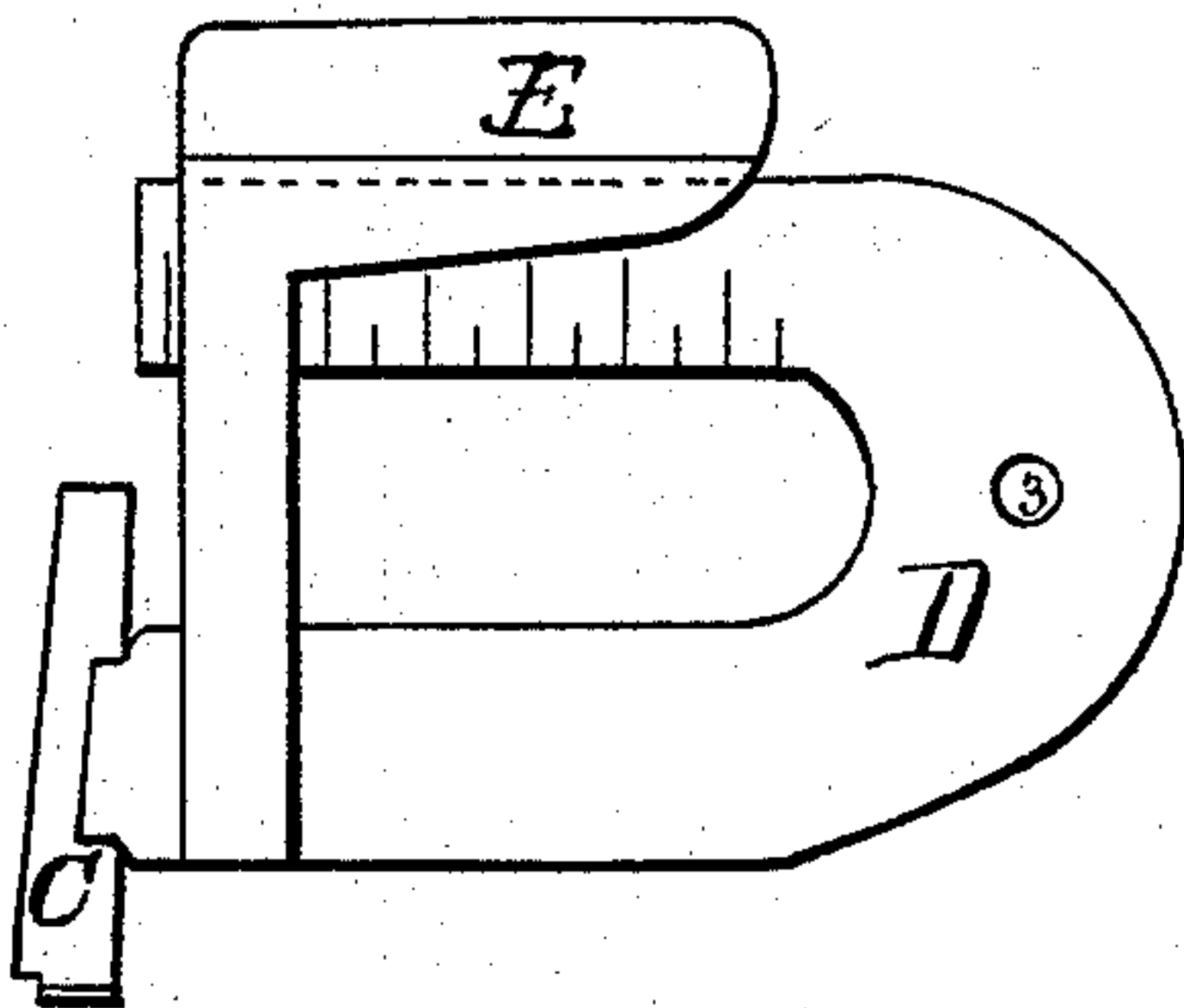


Fig. 2.



Witnesses:
E. A. Bates.
J. H. Lathrop

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UNITED STATES PATENT OFFICE.

STEPHEN A. DAVIS, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN HEMMERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **151,202**, dated May 26, 1874; application filed January 18, 1873.

To all whom it may concern:

Be it known that I, STEPHEN A. DAVIS, of the city of Newark, county of Essex and State of New Jersey, have invented certain Improvements in Hemmers for Sewing-Machines; and I do declare the following to be a full, clear, and exact description of the same.

The nature of my invention relates to an improvement in hemmers for sewing-machines; and it consists in the arrangement and combination of devices which will be more fully described hereafter, whereby the cost of the hemmer is decreased, and its adjustability and efficiency increased.

The accompanying drawings represent my invention.

A represents a flat irregular-shaped base-plate, having the slot *a* extending the greater part of its length, up through which extends the screw by which it is secured in any desired position to the machine. The front end of this plate is turned downward, so as to form a flange, 1, which serves as a guide for the material, and to this edge is attached the plate 2, bent as shown to form the channel B. This channel is formed by a flat plate, 2, curved backward upon itself, as shown in Fig. 3, and this plate has a slot, *b*, shown by dotted lines in Fig. 1, cut in its top, which extends almost its entire length. Upon the top of the plates A 2 is placed the forked scroll-plate D, having a hole, 3, through its rear end over the slot *a*,

so that it can be secured in position by the same screw, which holds the plate A. The front end of one of the prongs is slightly cut away and bent downward through the slot *b*, and has the tube or scroll C secured to it, so that as the scroll-plate D is adjusted back and forth the tube is moved with it in the channel B, so as to regulate the width of the hem being sewed. To this prong is also secured the spring E, which presses down upon the goods being sewed, so as to hold them in place and produce an even tension upon them. The other prong passes through a guiding and retaining loop, *c*, which may be either stamped up or secured to the top of the plate A, and is held in position, if so desired, by a small set-screw. Upon the top of the prong is marked a scale, *d*, for measuring the width of the hem desired.

Having thus described my invention, I claim—

The slotted base-plate A 1, having the slotted plate 2 bent to form the channel B secured to it, in combination with the loop *c*, and scroll-plate D, having the tube C and spring E secured to it, and having a scale marked upon one of its forks or prongs, substantially as shown and described.

STEPHEN A. DAVIS.

Witnesses:

OLIVER DRAKE,
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