

DENNIS & BAKER.
Thread Cutter for Sewing Machines.

No. 52,398.

Patented Feb. 6, 1866.

Fig. 1.

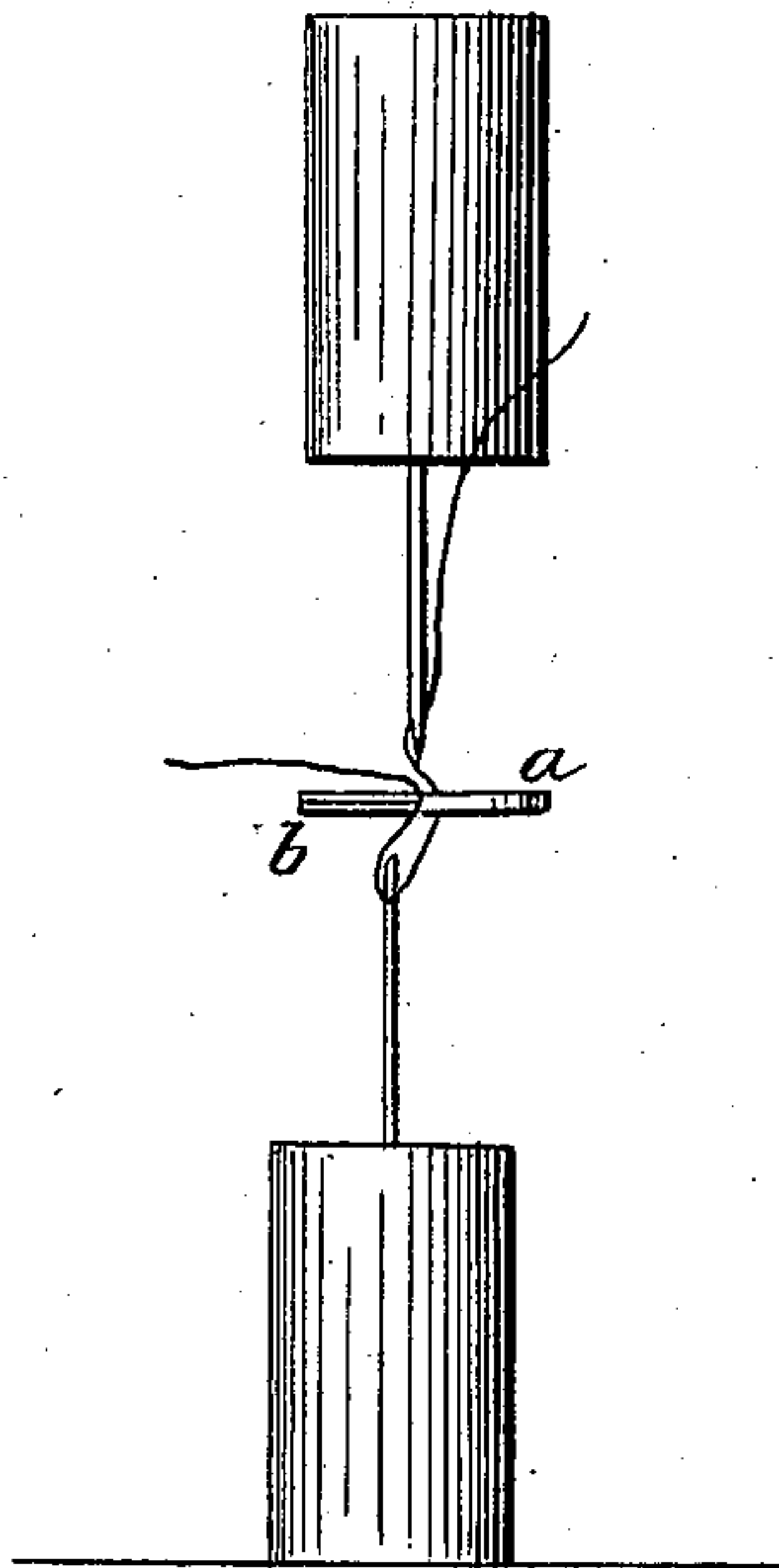


Fig. 2.

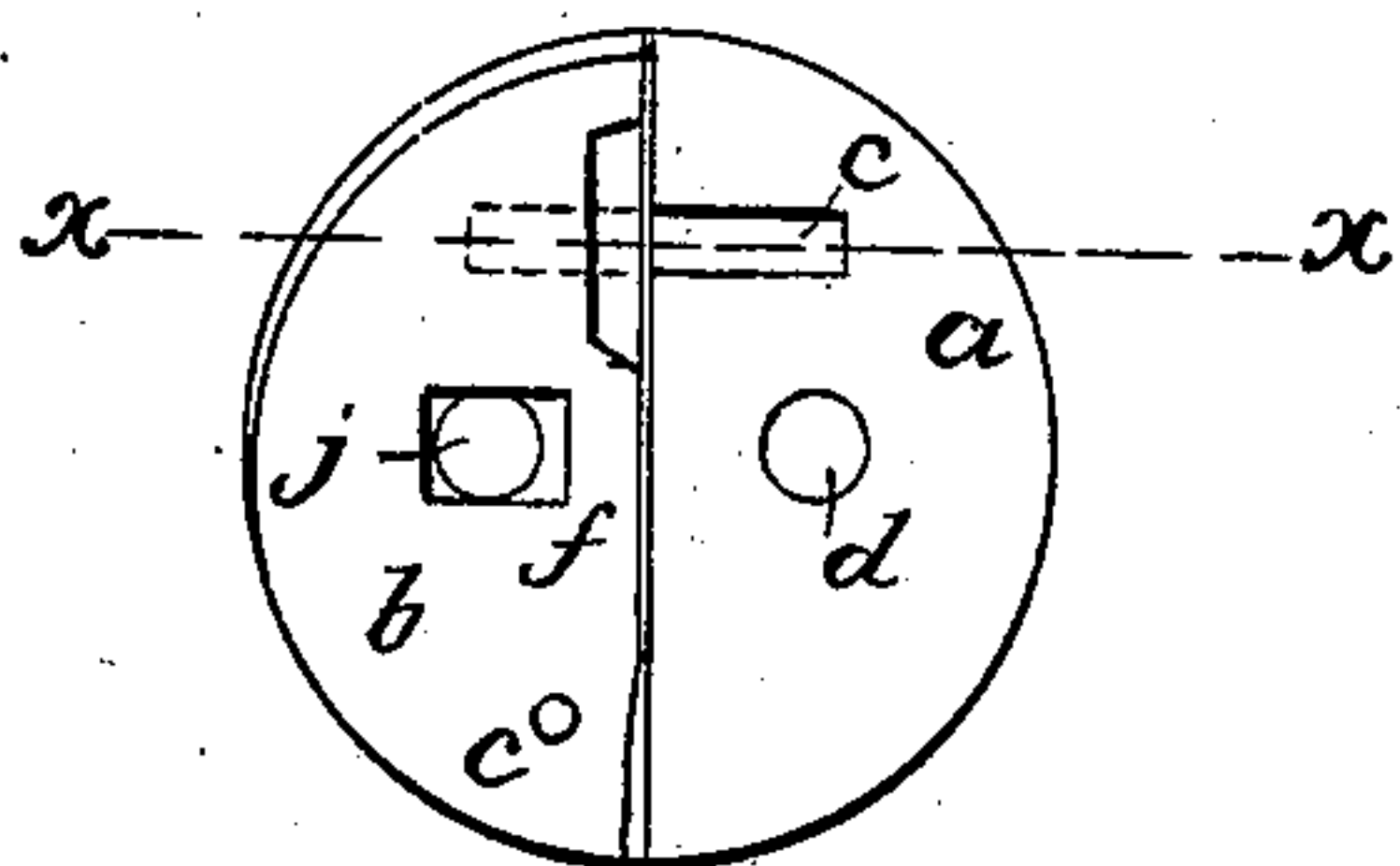


Fig. 3.

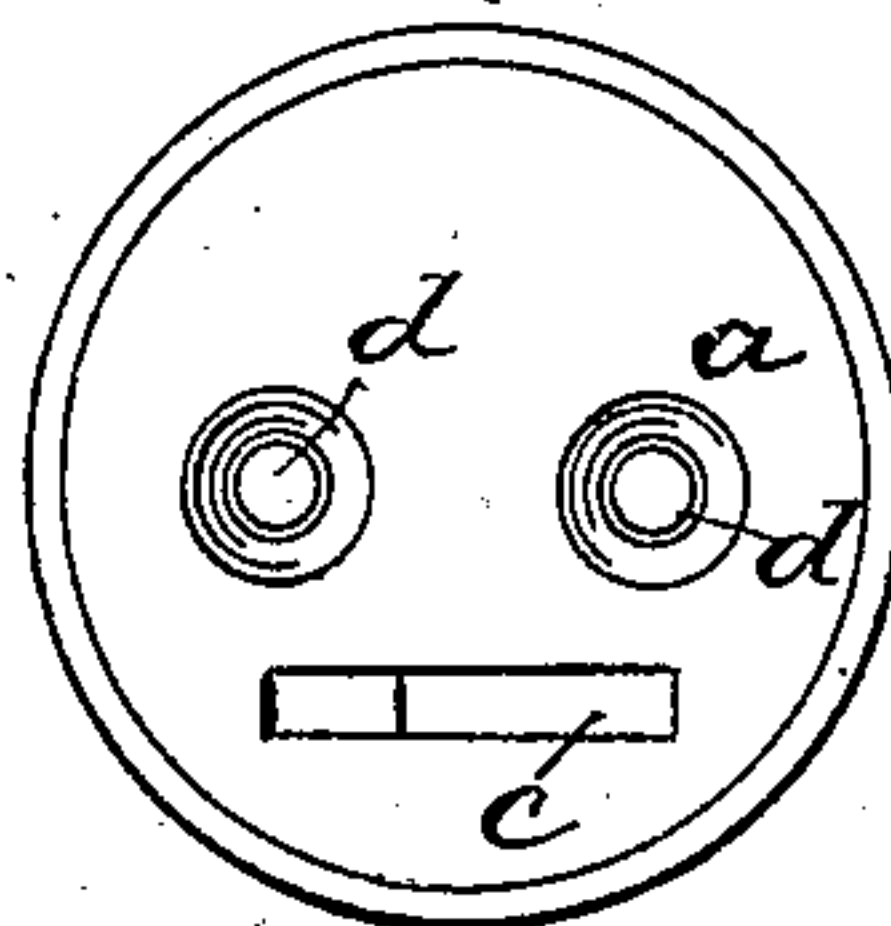


Fig. 4.



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UNITED STATES PATENT OFFICE.

HENRY W. DENNIS AND JOHN BAKER, OF HOPKINTON, MASSACHUSETTS.

IMPROVEMENT IN THREAD-CUTTERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 52,398, dated February 6, 1866.

To all whom it may concern:

Be it known that we, HENRY W. DENNIS and JOHN BAKER, of Hopkinton, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Thread-Cutters for Sewing-Machines; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side or edge view of a cutter made according to our invention, its position in a sewing-machine being also represented. Fig. 2 is a plan view thereof inverted. Fig. 3 is a top view of the cap or part of the table of a sewing-machine, under which the cutter is placed. Fig. 4 is a cross-section on the line *x* of Fig. 2.

Similar letters of reference indicate like parts.

The object of this invention is to provide in the table of a sewing-machine, or directly connected therewith, a means for cutting off the thread at the end of a seam by pushing the work forward.

It consists in forming a cutting-edge or a cutter on the under side of the table, which presents itself in or across the slot through which the needle works, so that when the loop is brought against it the thread will be severed and be left in readiness for beginning a new seam.

The example of our invention here given is for a "post" machine; but the invention is applicable to all other sewing-machines.

a is the cap of a post-machine, and *b* is the cutter, which can be varied to suit the circumstances and variations in construction of whatever machine it is applied to. *c* is the needle-

slot. The cap is provided with holes countersunk to receive screws for fastening it to the post.

The knife or cutter *b* lies across one end of the slot *c*, whereby it is always ready to sever a loop which is pushed against it, which takes place when the work is pushed in the proper direction on the cessation of the sewing. It is clear that the same device can be applied beneath any table or cloth-bed of a sewing-machine, as well as on the bottom of the cap *a*. In this example we have pivoted the cutter *b* on the under side of the cap by a pin or pivot, *e*, and the screw which will pass through the hole *d*, which is over the body of the cutter, passes through an elongated slot, *f*, made in the body of the cutter, so that a slight adjustment is permitted to the cutter around its pivot, so that it may be placed in the most effective position, and may be set back or forward as the stitch is made longer or shorter.

While in operation the knife is stationary, and is held in its position by the screws that hold the cap or throat, or by other suitable means.

In the illustration here given the knife is set in the cap. This is not necessary, as the post may, if preferred, be cut down to make room for the knife.

We claim as new, and desire to secure by Letters Patent—

A stationary knife or cutter with its edge lying across the needle-throat in the table of a sewing-machine, so that it will intercept and sever the thread by simply pushing the work toward it, substantially as described.

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