

No. 689,179.

Patented Dec. 17, 1901.

J. M. GLIECKMAN.

THREAD CUTTING ATTACHMENT FOR SEWING MACHINES.

(Application filed May 17, 1901.)

(No Model.)

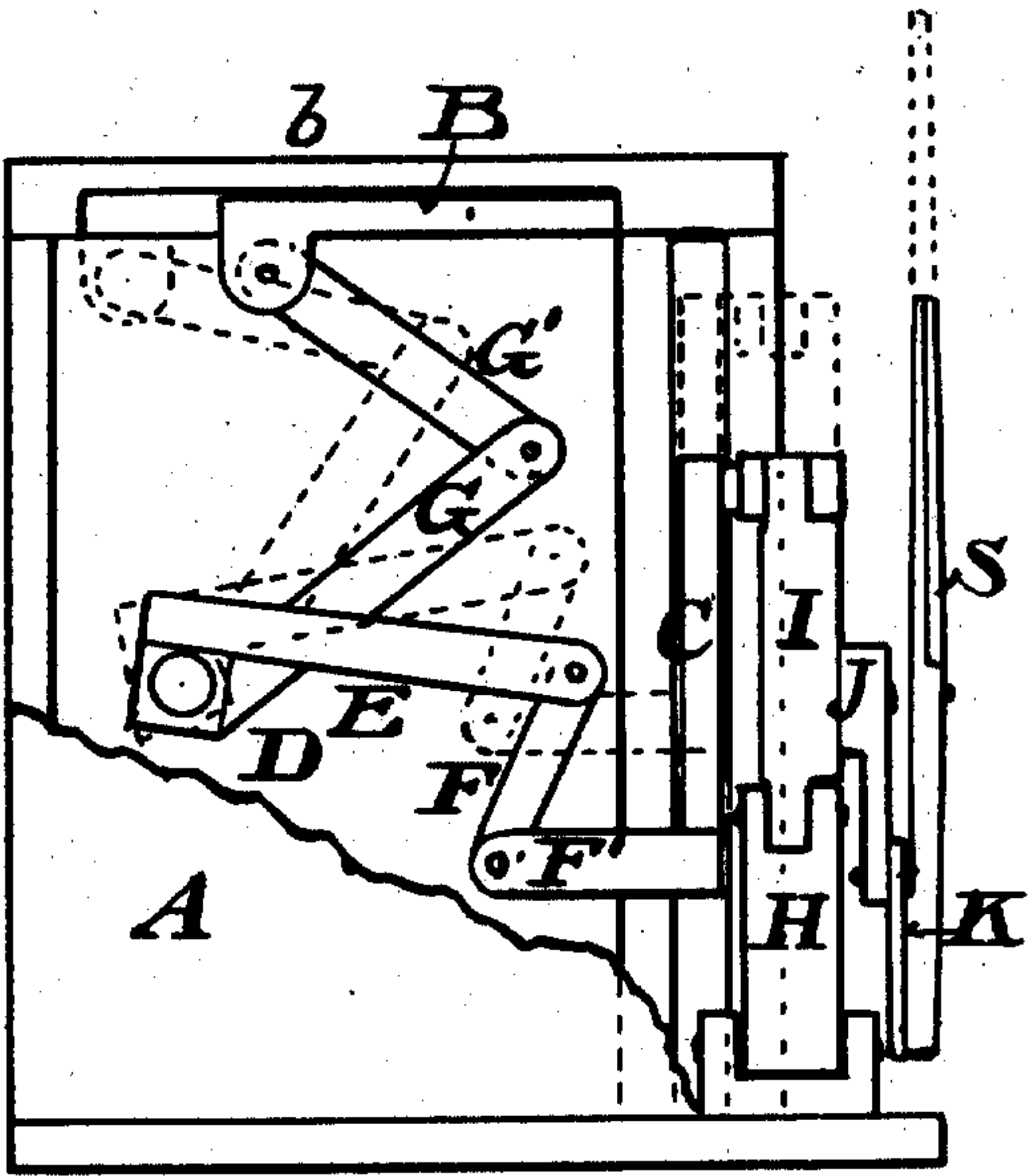


Fig. 1.

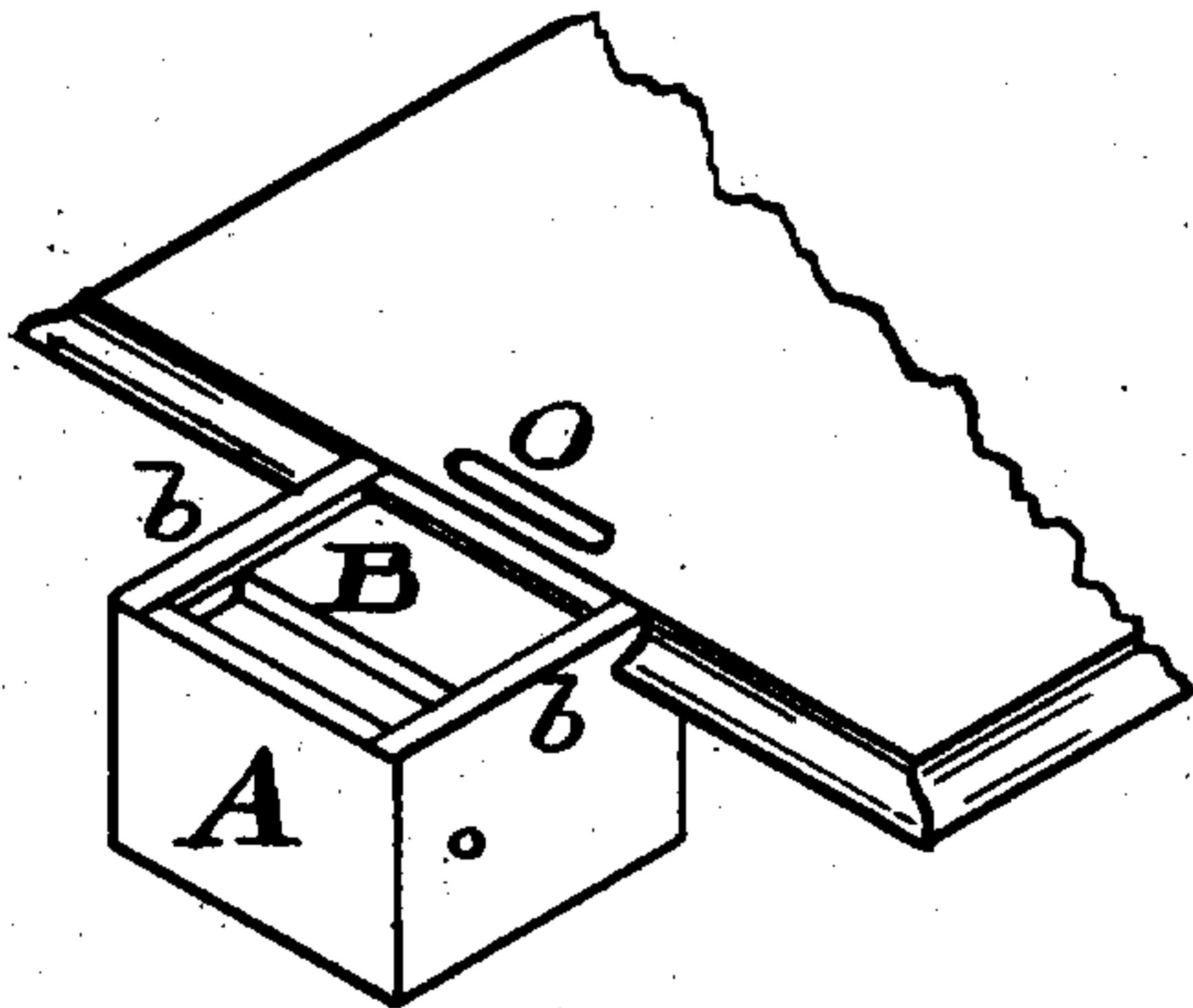


Fig. 4.

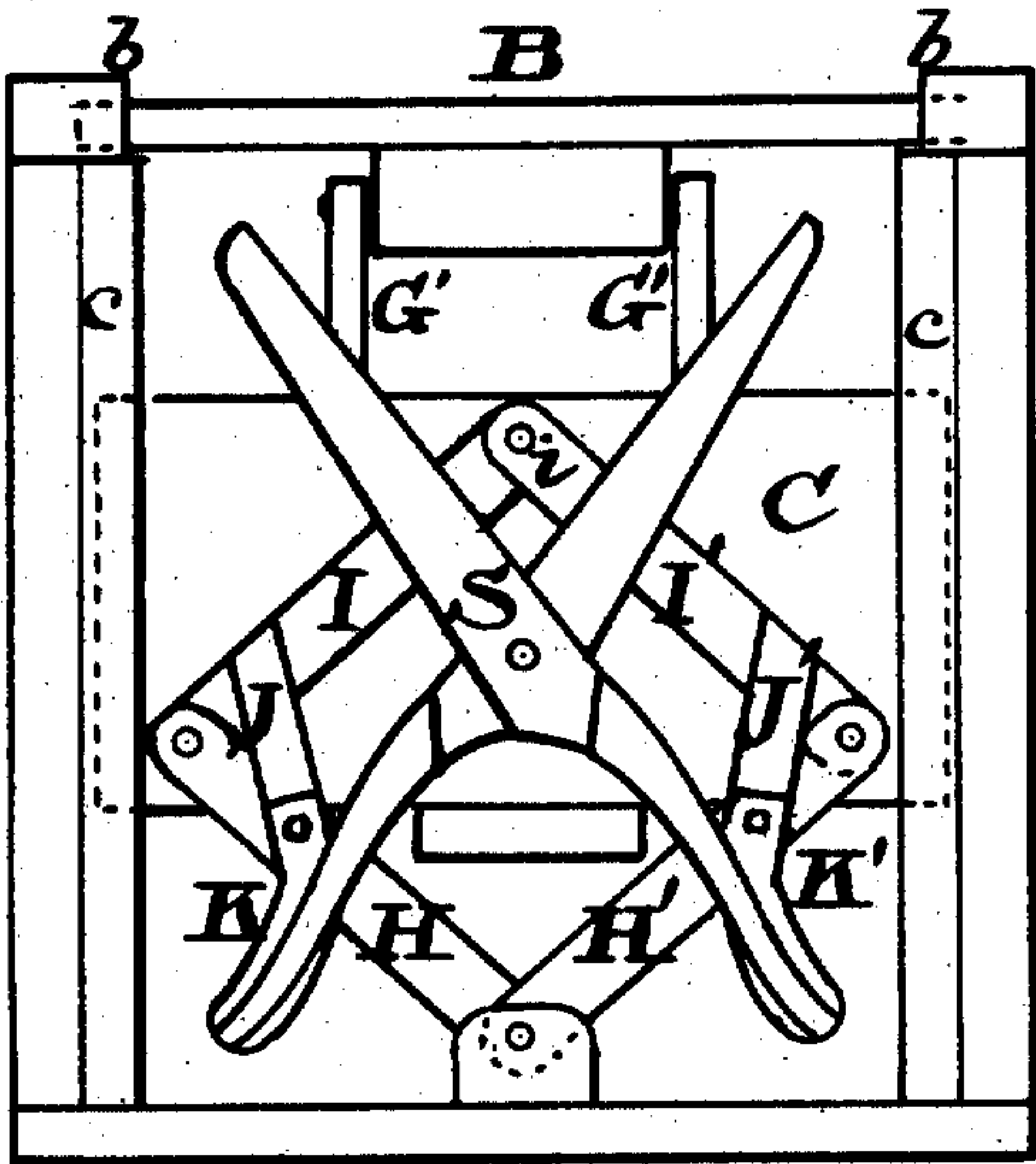


Fig. 2.

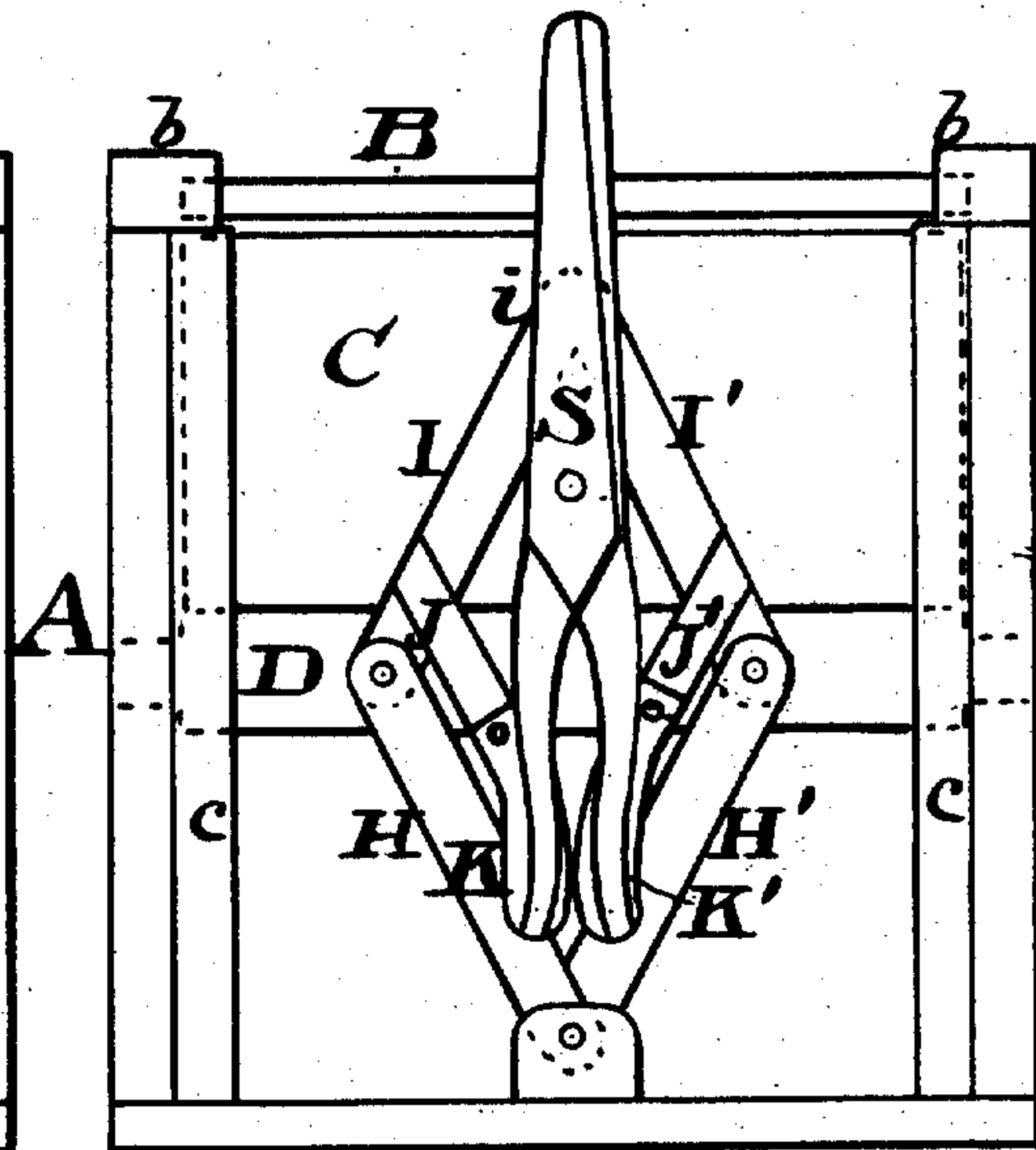


Fig. 3.

Witnesses:

Jesse A. Fenner.

Chas. L. Stocker

Inventor:

Julius M. Glickman.

per Geo. W. Tibbitts Attorney.

UNITED STATES PATENT OFFICE.

JULIUS M. GLIECKMAN, OF CLEVELAND, OHIO.

THREAD-CUTTING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 689,179, dated December 17, 1901.

Application filed May 17, 1901. Serial No. 60,789. (No model.)

To all whom it may concern:

Be it known that I, JULIUS M. GLIECKMAN, a citizen of the United States of America, and a resident of Cleveland, Cuyahoga county, and State of Ohio, have invented certain new and useful Improvements in Thread-Cutting Attachments for Sewing-Machines, of which the following is a specification.

This invention relates to a cutting device to be attached to a sewing-machine for use as a thread-cutter; and it consists in the new construction and combination of parts of mechanism for operating a pair of scissors forming a part of my invention, substantially as hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a side elevation of my new thread-cutting attachment for sewing-machines, having a part of the side wall broken away to show the interior construction. Fig. 2 is a front elevation showing the scissors open and in their normal position. Fig. 3 is a like front elevation showing the scissors as when closed upward in the act of cutting. Fig. 4 is a perspective view showing the device as attached to a sewing-machine table.

A, in the several views, is a rectangular box for containing the working parts of the device. In the top, which is open, is provided a sliding top piece B, playing in guides *b b*, and in the front, which is also open, is provided a vertically-sliding piece C, playing in the guides *c c*.

D is a rock-shaft journaled in the sides of the box near the rear side.

E is a lever extending horizontally forward from said rock-shaft and is joined by a link F to an arm F', attached to the under edge of the sliding piece C. G is also a lever attached to the rock-shaft and extending upwardly in a diagonal line and is connected by a link G' with the under side of the sliding top piece B, as plainly shown in Fig. 1. By sliding said top piece B backward the levers and links operate to raise the front sliding piece C, as shown by the dotted lines. To the said front sliding piece C is attached the scissors and mechanism which operate them.

H H' are two levers pivoted in a block on the box-bottom.

I I' are two levers pivoted at *i* to the upper edge of the sliding piece C and having their

lower ends pivotally attached to the upper ends of the levers H H', respectively.

J J' are arms secured to the levers I I'. K K' are arms pivotally attached to said arms J J', and to the said arms K K' are permanently attached the handles of a pair of scissors S.

The box is to be attached to a sewing-machine table substantially as shown in Fig. 4.

O is a slot in the table near to the edge where the box is attached and is provided for the points of the scissors to pass up through in the operations of the device; otherwise the scissors and the mechanism are entirely concealed.

The operations are as follows: When the operator desires to sever the thread from his work, he pulls the work along over the box, so that the thread from the needle lies over the slot O. Then by pushing the top slide B to the left the scissors are quickly forced upward with their points protruding through said slot and at the same time are forcibly closed and quickly cut the thread. By relinquishing the hold on slide B the scissors immediately drop back again by gravity and resume their normal position.

Having described my invention, what I claim is—

In a thread-cutter, the combination of a box for attachment to a sewing-machine table, a sliding piece B in its top, and a vertically-sliding piece C in its front, a rock-shaft D journaled in the sides of the box, a lever E mounted on said rock-shaft, a link F and an arm F' connecting lever E with the vertical slide C, a lever G also mounted on said shaft D link G' connecting lever G with the sliding top B; levers H H' pivoted to the bottom of the box, levers I I' pivotally attached to slide C and joined, respectively, to said levers H H', arms J J' on levers I I' arms K K' pivotally attached to said arms J J', and the scissors S permanently attached to said arms K K' constructed to operate substantially as described and for the purpose set forth.

Signed by me at Cleveland, Ohio, this 15th day of May, 1901.

JULIUS M. GLIECKMAN.

Witnesses:

GEO. W. TIBBITTS,
JESSE A. FENNER.