

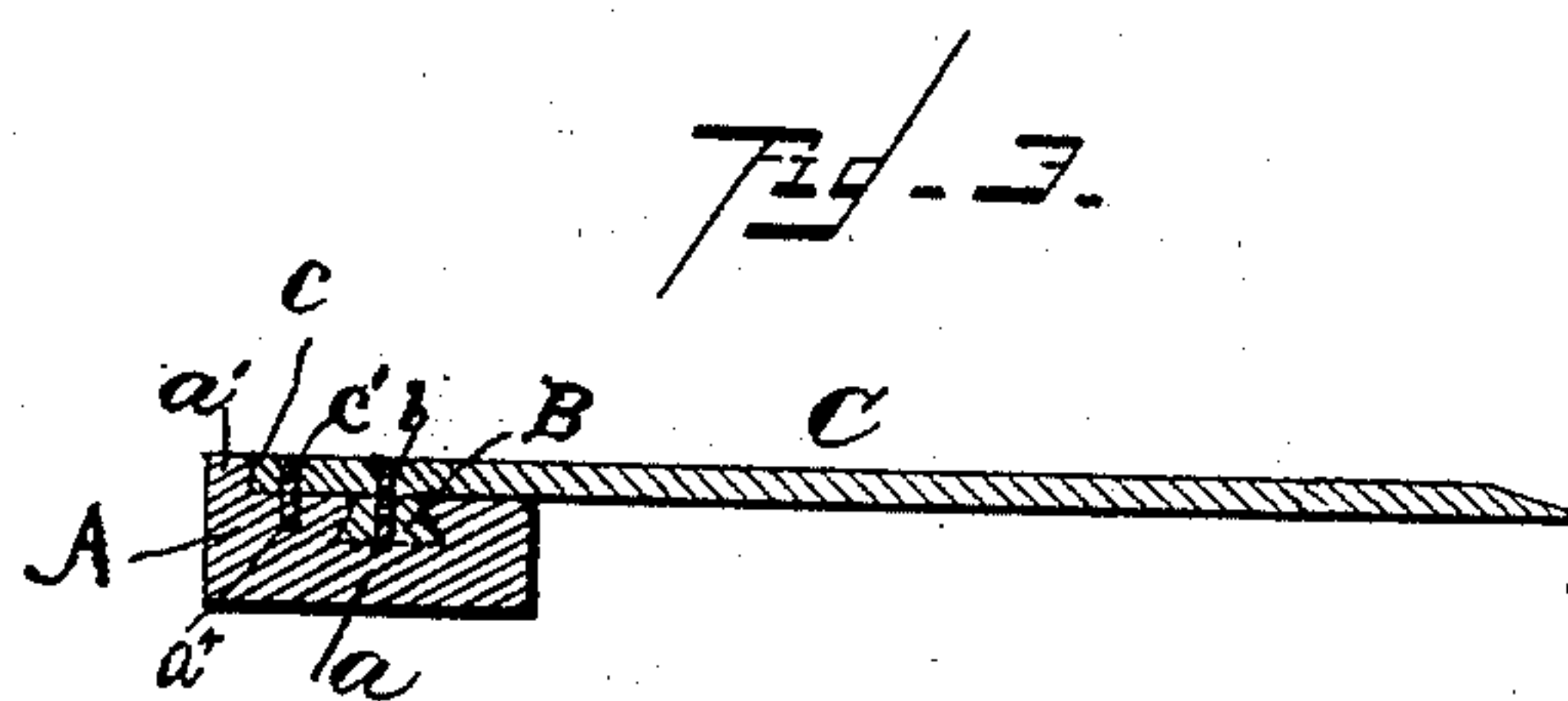
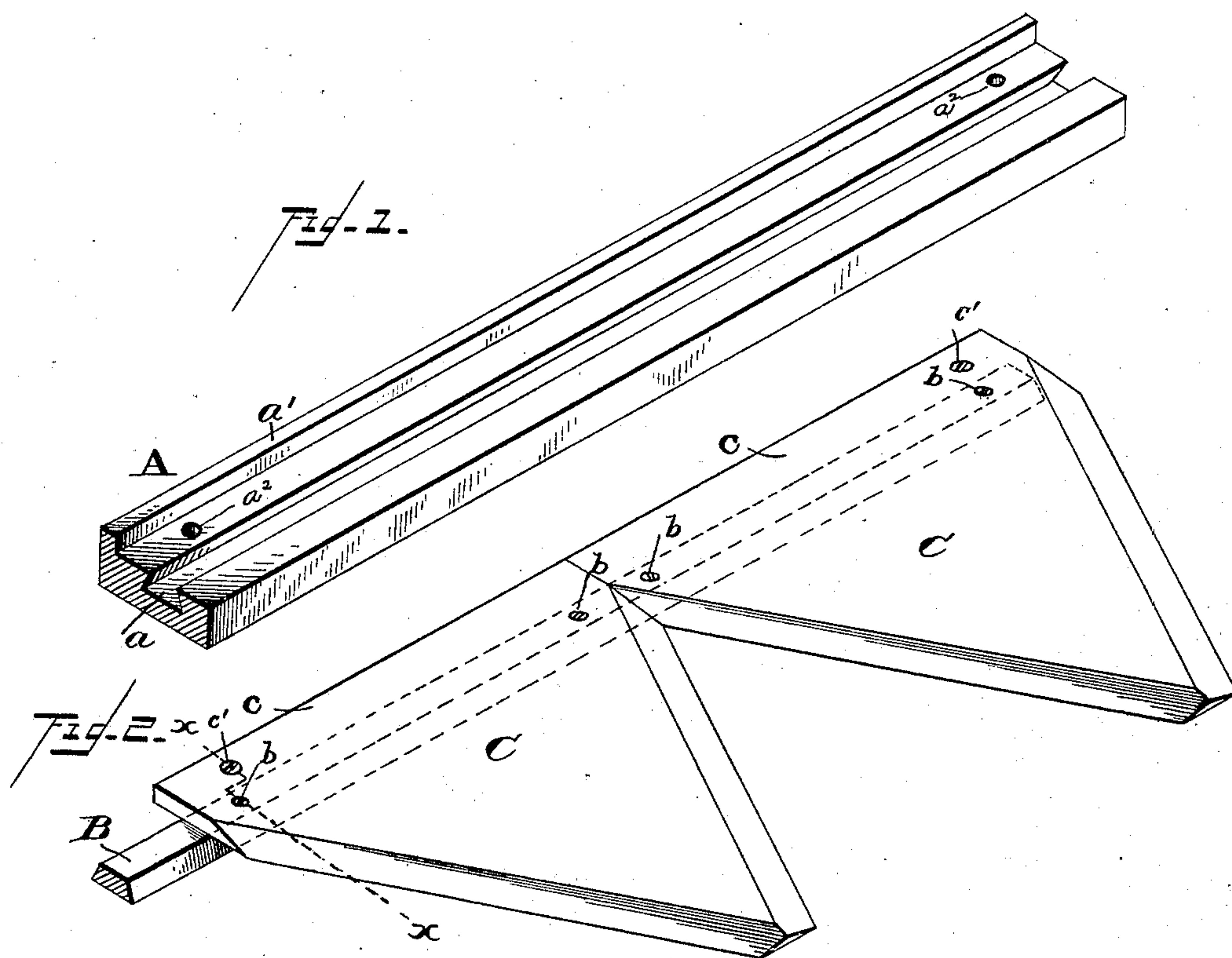
(No Model.)

I. F. BASSFORD.

MOWING MACHINE CUTTER BAR.

No. 397,685.

Patented Feb. 12, 1889.



WITNESSES,

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ISAAC FRANKLIN BASSFORD, OF SPRINGFIELD, OHIO, ASSIGNOR OF ONE-HALF
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MOWING-MACHINE CUTTER-BAR.

SPECIFICATION forming part of Letters Patent No. 397,685, dated February 12, 1889.

Application filed July 16, 1888. Serial No. 280,110. (No model.)

To all whom it may concern:

Be it known that I, ISAAC FRANKLIN BASSFORD, a citizen of the United States, and a resident of Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Mowing-Machine Cutter-Bars; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to mowing-machine cutter-bars.

The object is to improve the manner of securing the cutter-blades to the cutter-bar of a mowing-machine, whereby all of the cutters may be removed at will and replaced with but a small loss of time; furthermore, to produce a cutter-bar which shall be simple of construction, efficient and durable in use, and which may be constructed at a slight expense.

With these objects in view the invention consists in the novel construction and combination of parts of a cutter-bar, as will be hereinafter fully described in the specification, illustrated in the drawings, and pointed out in the claim.

In the accompanying drawings, forming part of this specification, and in which like letters of reference indicate corresponding parts, I have illustrated one form of device embodying my invention, although the same may be carried into effect in other ways without departing from the spirit thereof, and in these drawings—

Figure 1 is a perspective view of the cutter-bar, the cutters being removed, showing a dovetailed channel extending the entire length of the same and a flange on one side. Fig. 2 is a perspective view of a dovetailed bar designed to carry the cutter-blades, showing the blades in place thereon; and Fig. 3 is a transverse sectional view on line $x x$ of Fig. 2.

Referring to the drawings, A designates the cutter-bar, provided in its center portion with a dovetailed channel, a , extending its entire length. On the back portion of the cutter-bar is formed an upwardly-extending flange, a' , designed as a bearing against which the cutter-blades press when the device is intact.

B designates a dovetailed bar designed to carry the cutter-blades. This bar is made to fit and slide within the channel in the cutter-bar, the said bar being held in place in the cutter-bar by means of screws c' , which pass through that portion of the cutter-blades extending beyond the bar B, and engage threaded openings a^2 in the cutter-bar.

When the device is to be put together, the cutter-blades C are first secured to the bar B by means of screws b , and the bar is then slipped into the channel a , the rear end, c , of the cutter-blades resting against the flange a' , and thus removing a greater part of the strain from the bar B. By this method of securing the cutter-blades to the cutter-bar it will be seen readily that should it be desired to sharpen the blades or to remove them for any purpose it will only be necessary to loosen the screws c' for that purpose, and that should any of the cutters strike an obstruction when being worked, instead of the horizontal strain being applied directly upon the screws holding them in place upon the dovetailed bar the flange a' would receive the force of the strain, and thus protect the screws.

It will thus be seen that although this device is exceedingly simple of construction it will be found highly efficient and durable in use, and may be constructed at but a slight expense.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of a cutter-bar having a vertical flange on its rear portion and a dovetailed channel extending its entire length, a dovetailed bar fitting in the said channel and carrying the cutter-blades, the rear ends of which rest against the said flange, and screws c' engaging threaded openings a^2 in the cutter-bar for holding the bars together, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

ISAAC FRANKLIN BASSFORD.

Witnesses:

L. F. YOUNG,
GEO. A. BEARD.