

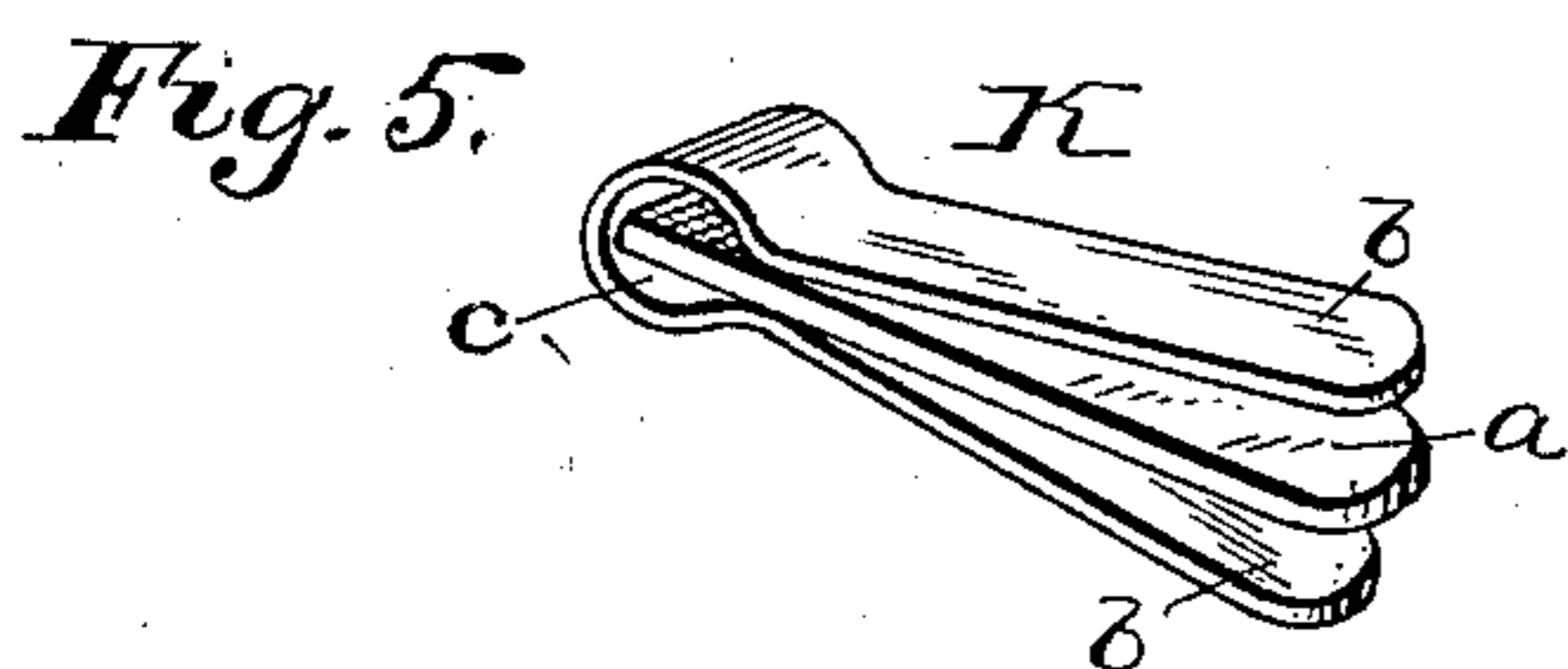
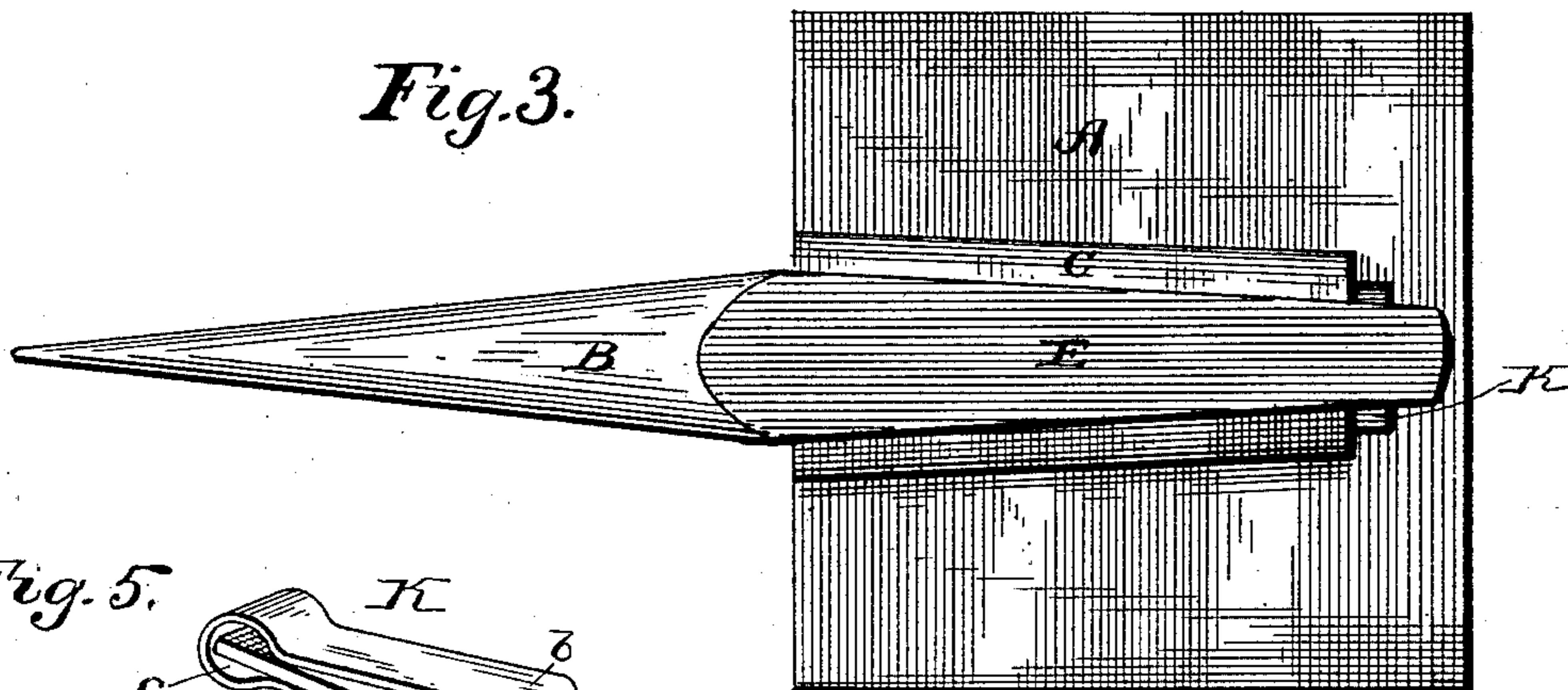
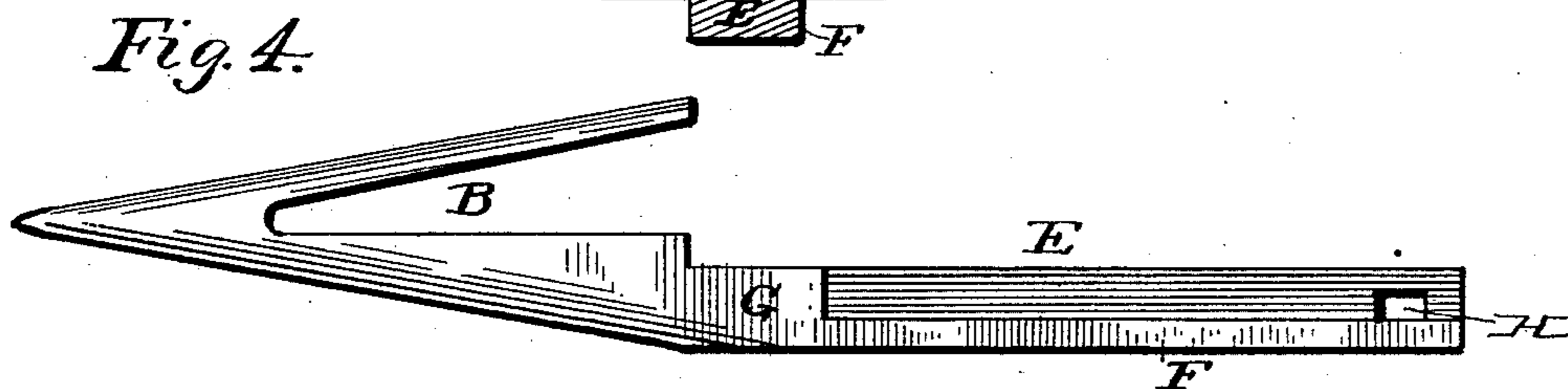
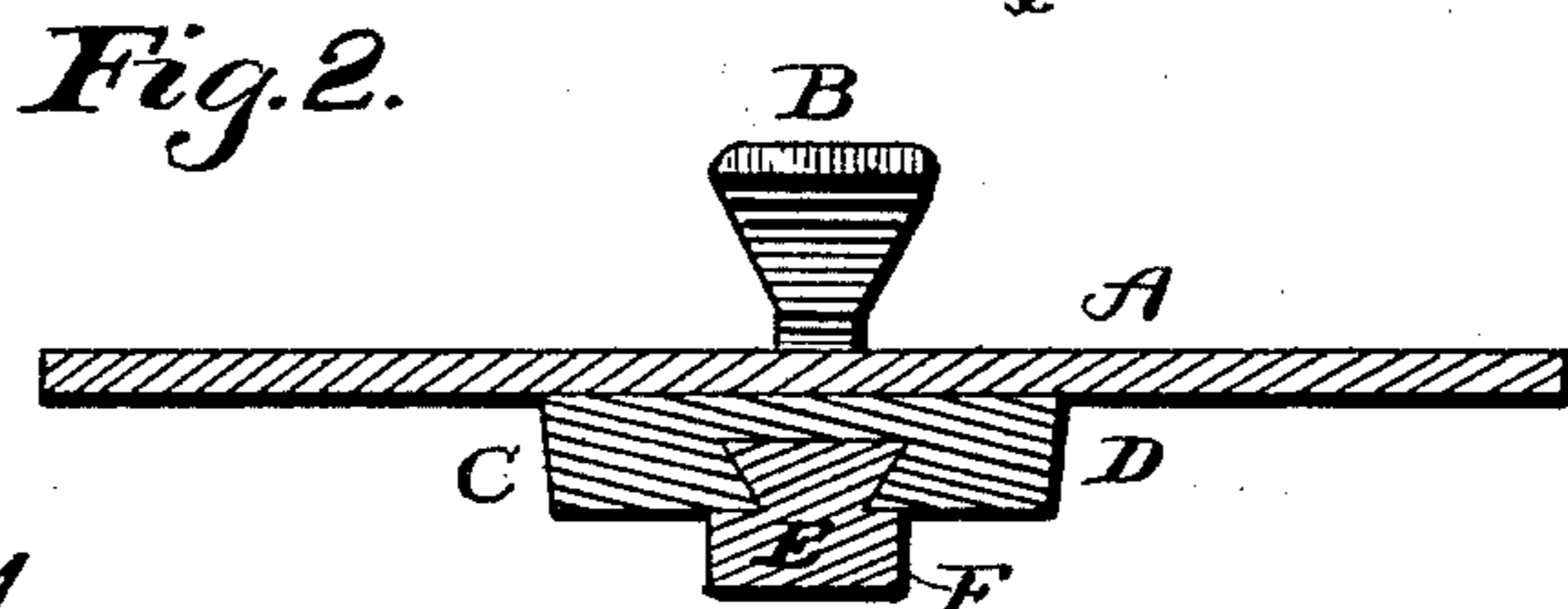
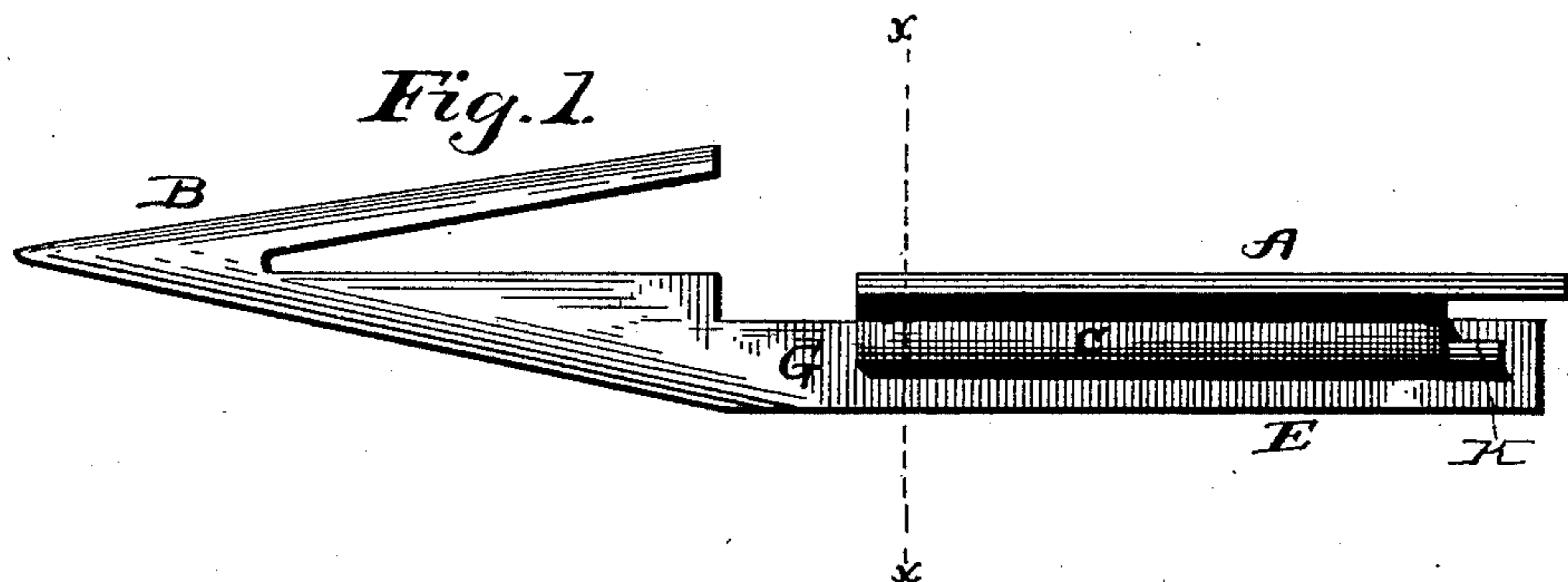
(No Model.)

J. L. HIGHBARGER.

FINGER BAR FOR REAPERS AND MOWERS.

No. 348,905.

Patented Sept. 7, 1886.



WITNESSES

B. Fugitt.
Phillips.

INVENTOR

John L. Highbarger
by Anderson & Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN L. HIGHBARGER, OF SHARPSBURG, MARYLAND, ASSIGNOR OF ONE-HALF TO HENRY C. MUMMA, OF SAME PLACE.

FINGER-BAR FOR REAPERS AND MOWERS.

SPECIFICATION forming part of Letters Patent No. 348,905, dated September 7, 1886.

Application filed August 17, 1885. Serial No. 174,639. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. HIGHBARGER, a citizen of the United States, and a resident of Sharpsburg, in the county of Washington and State of Maryland, have invented certain new and useful Improvements in Finger-Bars for Reapers and Mowers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a side view. Fig. 2 is a section taken on the line *x x*, Fig. 1. Fig. 3 is a bottom view. Fig. 4 is a side view of the finger. Fig. 5 is a perspective view of the spring-key.

This invention has relation to finger-bars of reaping and mowing machines; and it consists in the construction and novel combination of parts, as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, the letter A designates a portion of the finger-bar, and B one of the fingers secured thereto.

C is a cleat block or projection, of wrought metal, preferably, which is secured to or forms a part of the bar A. This block is formed with a tapering dovetail bearing-slot, D, or groove, or with a box-seat, which tapers lengthwise from front to rear, as shown. The finger B is formed with a tapering shank, E, which is in upper portion dovetail in cross section, and the upper dovetail portion is designed to engage the bearing D when the finger is in position. Below the dovetail portion the finger is usually made of full breadth in the shank by forming the lateral flanges F, which, when the finger is in position, cover the joints made with the block and assist in holding the

finger firmly in place. The dovetail portion of the shank springs from the shoulder-offset G of the finger-head, which is designed to engage the edge of the block. Where a box-seat is used, the shank of the finger will not be made dovetail in cross-section. The shank of the finger is made longer than the cleat C, and it is provided with a transverse slot or bearing, H, to receive the removable key K, which is preferably a spring-key re-enforced by a rigid piece, *a*, which is placed between the leaves *b b* and extends to the end of the loop *c*. The key made in this way is very strong, and easily driven in or out without injury. The key is in position behind the rear end of the cleat and in close engagement therewith, so that it is not liable to be casually struck or displaced during the operation of the machine.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with the tapering dovetail bearing-slot in the cleat on the under side of the finger-bar, of the tapering finger-shank dovetail in cross-section in its upper portion, and having lateral flanges in its lower portion overlapping the slot in the cleat, substantially as specified.

2. The combination, with the finger-bar and its cleat having the tapering dovetail bearing-slot, of the finger having the tapering dovetail shank to fit the slot in the cleat, and flanged along its lower portion to overlap the slot, and projecting in rear of the cleat to receive a removable key, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN L. HIGHBARGER.

Witnesses:

THEO. MUNGEN,
PHIL. C. MASI.