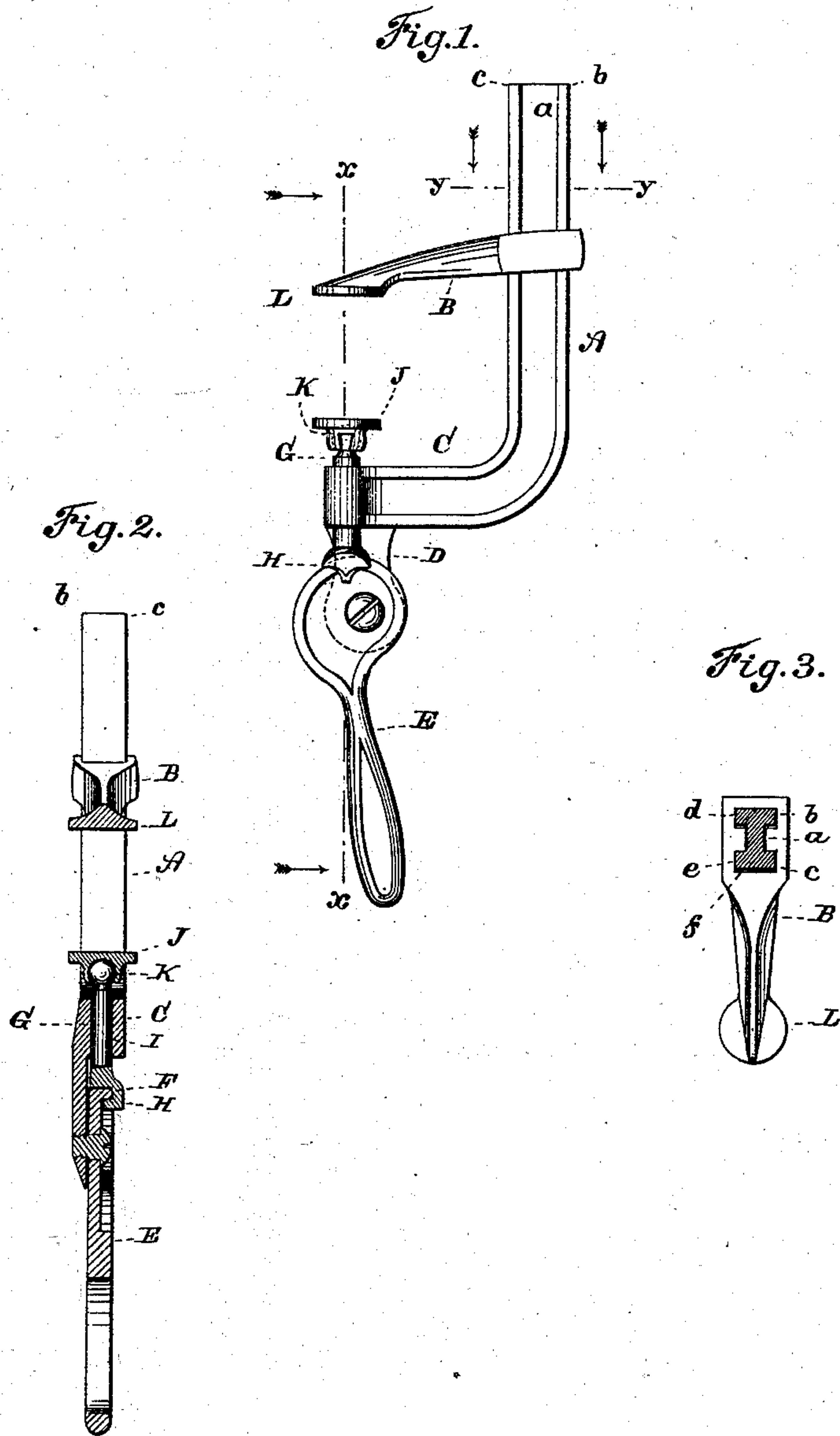


(No Model.)

A. M. COLT.
Clamp for Wood Working.

No. 237,431.

Patented Feb. 8, 1881.



Attest:

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UNITED STATES PATENT OFFICE.

ALVA M. COLT, OF BATAVIA, NEW YORK.

CLAMP FOR WOOD-WORKING.

SPECIFICATION forming part of Letters Patent No. 237,431, dated February 8, 1881.

Application filed December 17, 1880. (No model.)

To all whom it may concern:

Be it known that I, ALVA M. COLT, a citizen of the United States, residing at Batavia, in the county of Genesee and State of New York, have invented certain new and useful Improvements in Clamps for Wood-Working; and I do hereby 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, in which—

Figure 1 is a side elevation; Fig. 2, a vertical section upon the line *xx* of Fig. 1, and Fig. 3 a cross-section upon the line *yy* of Fig. 1.

My invention relates to an improvement in clamps for wood-working; and the object of my improvement is to obviate all slipping or displacement attendant upon the use of screws; and it consists of a frame with a sliding arm and a clamping-jaw, operated by an eccentric-lever, as will be hereinafter more fully set forth and claimed.

A represents the vertical bar of the frame, composed of the body *a* and four flanges, *b c d e*, that fit the opening *f* of the arm B, leaving room for the arm to be moved along the bar A when held at a little above a right angle to it, but causing the arm to bind on the flanges *b c d e* when pressure is applied to the end of the arm. At its top the bar A is curved and extended forward at a right angle to the length of the bar, making an extension, C, which supports a vertical standard, D, to which is pivoted an eccentric-lever, E, pro-

vided with a flange, F, for raising a plunger, G, that is held to the face of the eccentric by means of a right-angled extension, H, which passes over the flange F. The plunger G passes through a vertical socket, I, in the end of the extension C, immediately beneath the pivot of the lever, and has a platen, J, attached to its lower end by means of a ball-and-socket joint, K, that enables the platen to be adjusted to a beveled surface.

The arm B should be of a suitable length to bring its outer end, L, directly beneath the platen J, where it is expanded to form a pressing-table.

The operation of my device is as follows: The lever E is thrown back onto the extension C, and the arm B slid toward the opposite end of the bar A until room is obtained for the articles to be clamped together. They are then placed against the platen and the arm slid up in contact. The lever is then thrown forward, pressing the platen upon the articles and binding the arm against the flanges of the standard.

Having thus described my invention, I claim—

A clamp for wood-working, composed of a flanged bar, provided with an extension supporting an eccentric-lever, operating a plunger and a sliding arm, substantially as shown and described.

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

ALVA M. COLT.

Witnesses:

JAMES FOX,
W. W. PLATO.