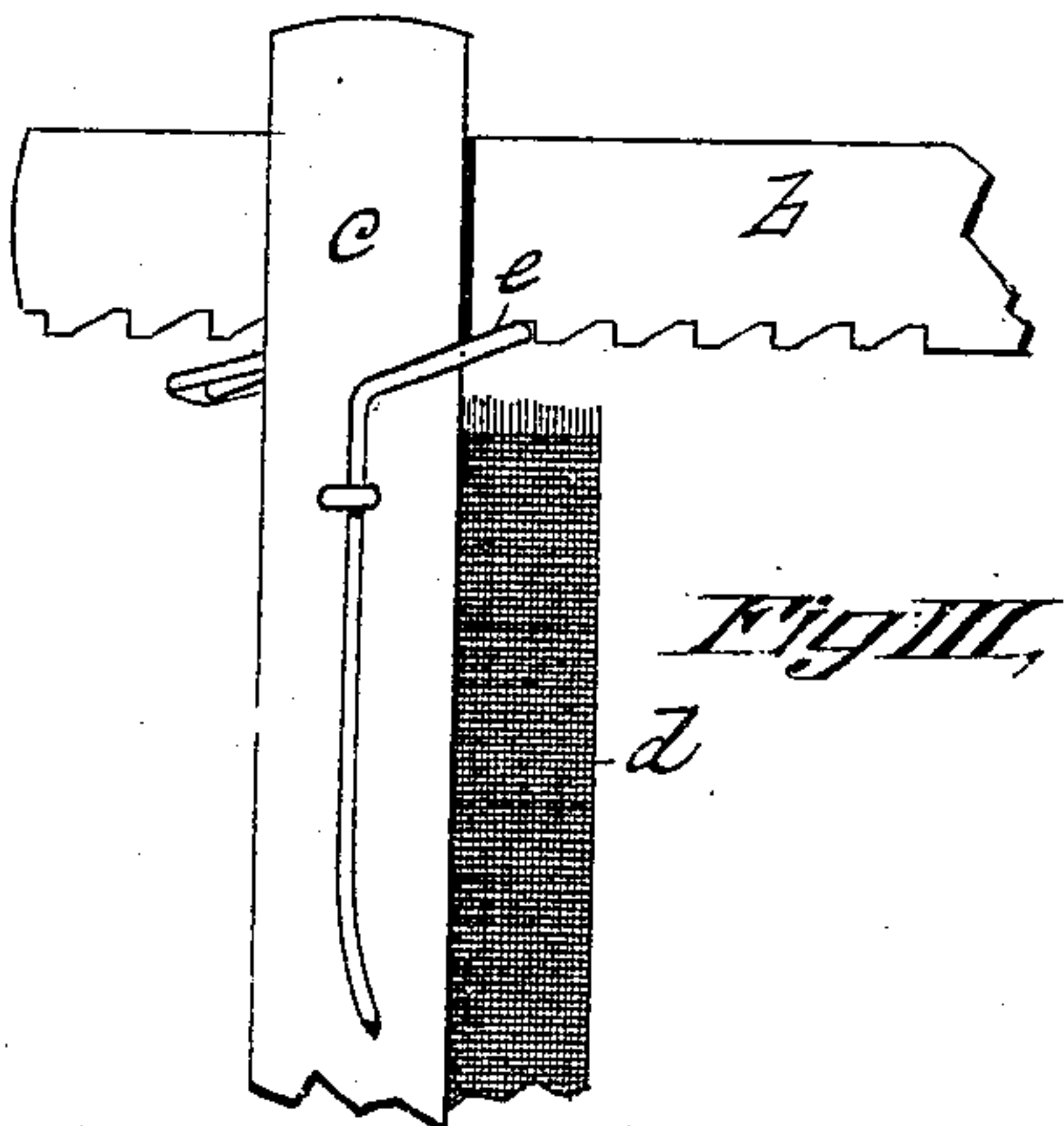
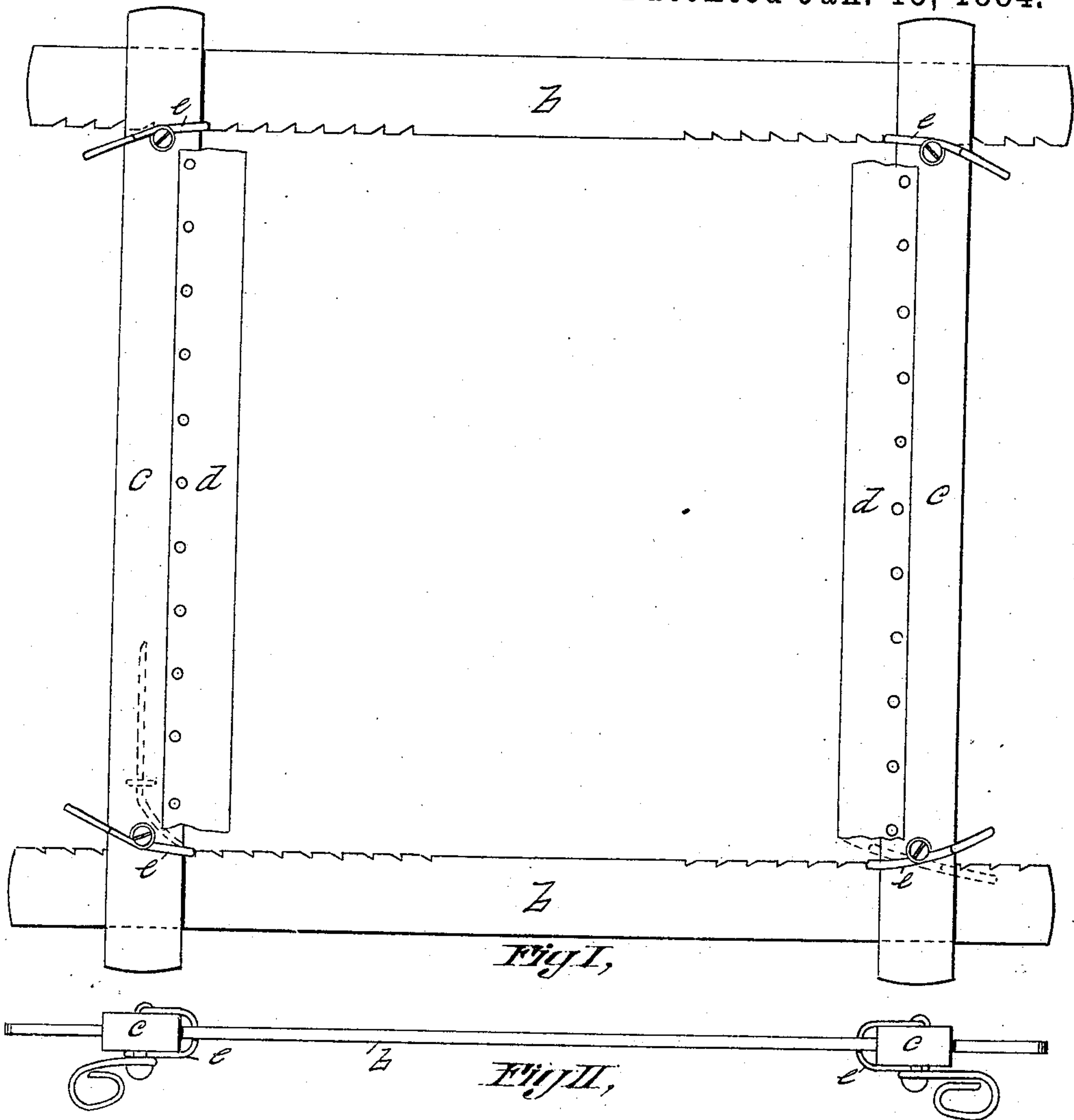


(No Model.)

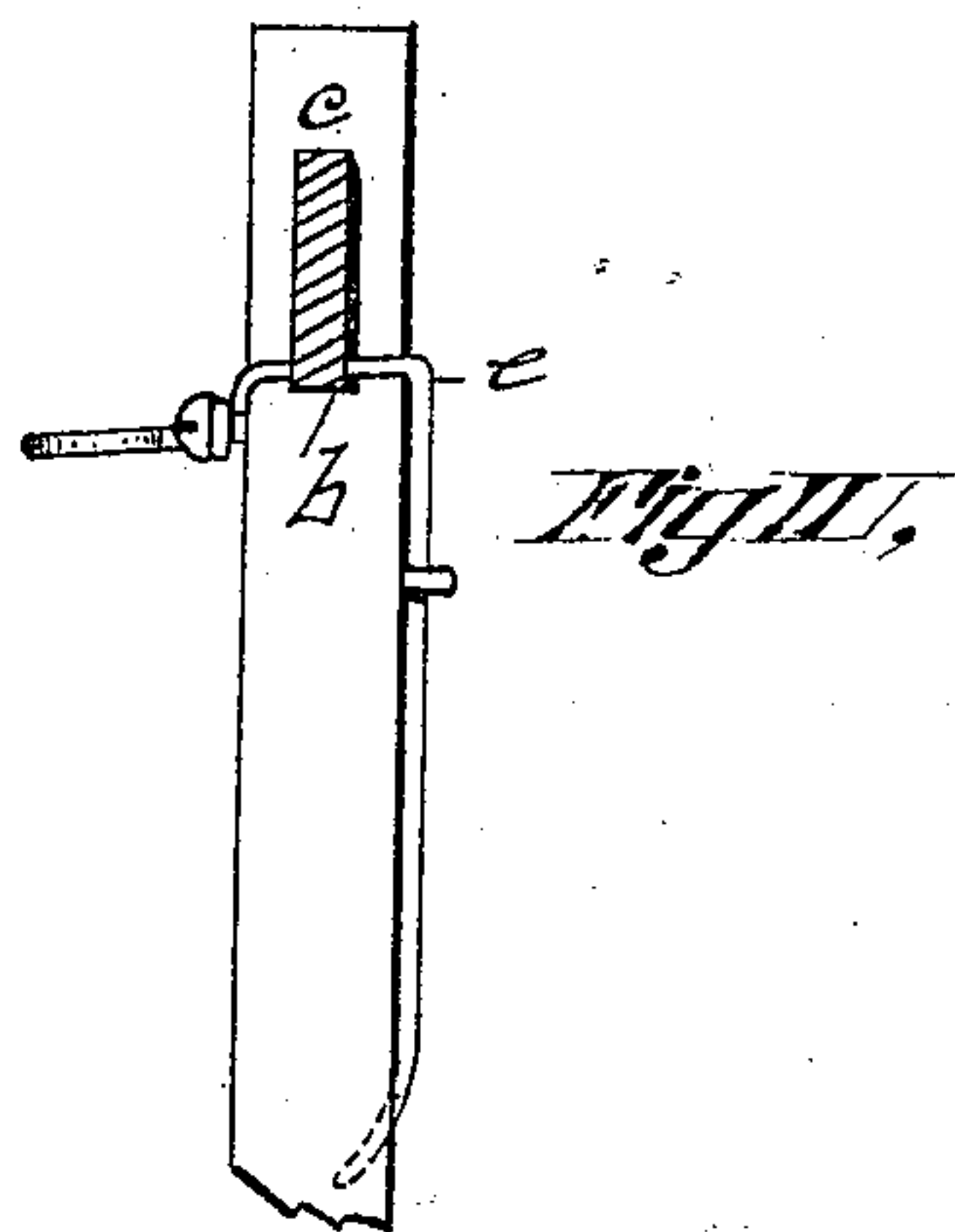
G. A. BRACKETT
EMBROIDERY FRAME.

No. 291,870.

Patented Jan. 15, 1884.



WITNESSES,
J. Baird
M. C. Buck



INVENTOR,
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Att'y

UNITED STATES PATENT OFFICE.

GILBERT A. BRACKETT, OF SPRINGFIELD, MASSACHUSETTS.

EMBROIDERY-FRAME.

SPECIFICATION forming part of Letters Patent No. 291,870, dated January 15, 1884.

Application filed May 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, GILBERT A. BRACKETT, a citizen of the United States, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Embroidery-Frames, of which the following is a specification.

This invention relates to improvements in embroidery-frames, the object being to construct frames of this class which are easily adjustable to the length or width of the canvas which is to be wrought upon, and to provide therefor automatically-operating devices for retaining the movable stretching-bars of the frame in any position to which they may be moved, which devices are easily operated to disconnect said bars to release the canvas.

In the drawings forming part of this specification, Figure 1 is a plan view of an embroidery-frame constructed according to my invention. Fig. 2 is an end view thereof, and Figs. 3 and 4 are detail views.

In the drawings, *c c* are the stretching-bars of the frame, provided with the usual strips, *d d*, of textile material, to which the canvas to be worked upon is sewed. Said bars *c c* are mortised to let the bars *b* pass through them near their ends, and are provided with catch-springs *e* by the side of their mortises. Said springs are of the form shown in the several figures, and are bent to pass around the edge of the bars *c*, and are pivoted on a screw or pin passing through or into the latter, and are

adapted to spring against the bars *b*. The bars *b* are provided on one edge with series of ratchet-teeth, and on that portion thereof which, when the bars *c* are connected therewith, springs *e* bear against, so that the latter may engage with said teeth. One end of the springs *e* extends beyond their pivot to form a handle, as shown, whereby the springs are swung away from the edges of the bars *b* and disconnected from said ratchet-teeth.

In operating my improvements, the bars *c* are moved near each other on bars *b*, or taken off from the latter, and the canvas is sewed to the strips *d*. Bars *c* are then placed on bars *b* in the position shown in Fig. 1. Springs *e* are allowed to bear against the toothed edges of the latter, while bars *c* are drawn apart to stretch the canvas, the springs *e* meanwhile operating automatically to retain the bars *c* in such positions as they may be moved to by engaging with said ratchet-teeth.

What I claim as my invention is—

In an embroidery-frame, the combination, with the bars *b b*, provided with ratchet-teeth, of the bars *c c*, mortised to receive the ends of the bars *b*, and the springs *e*, pivoted on bars *c c*, and adapted to engage with said ratchet-teeth, substantially as set forth.

GILBERT A. BRACKETT.

Witnesses:

H. A. CHAPIN,
C. J. BARNARD.