

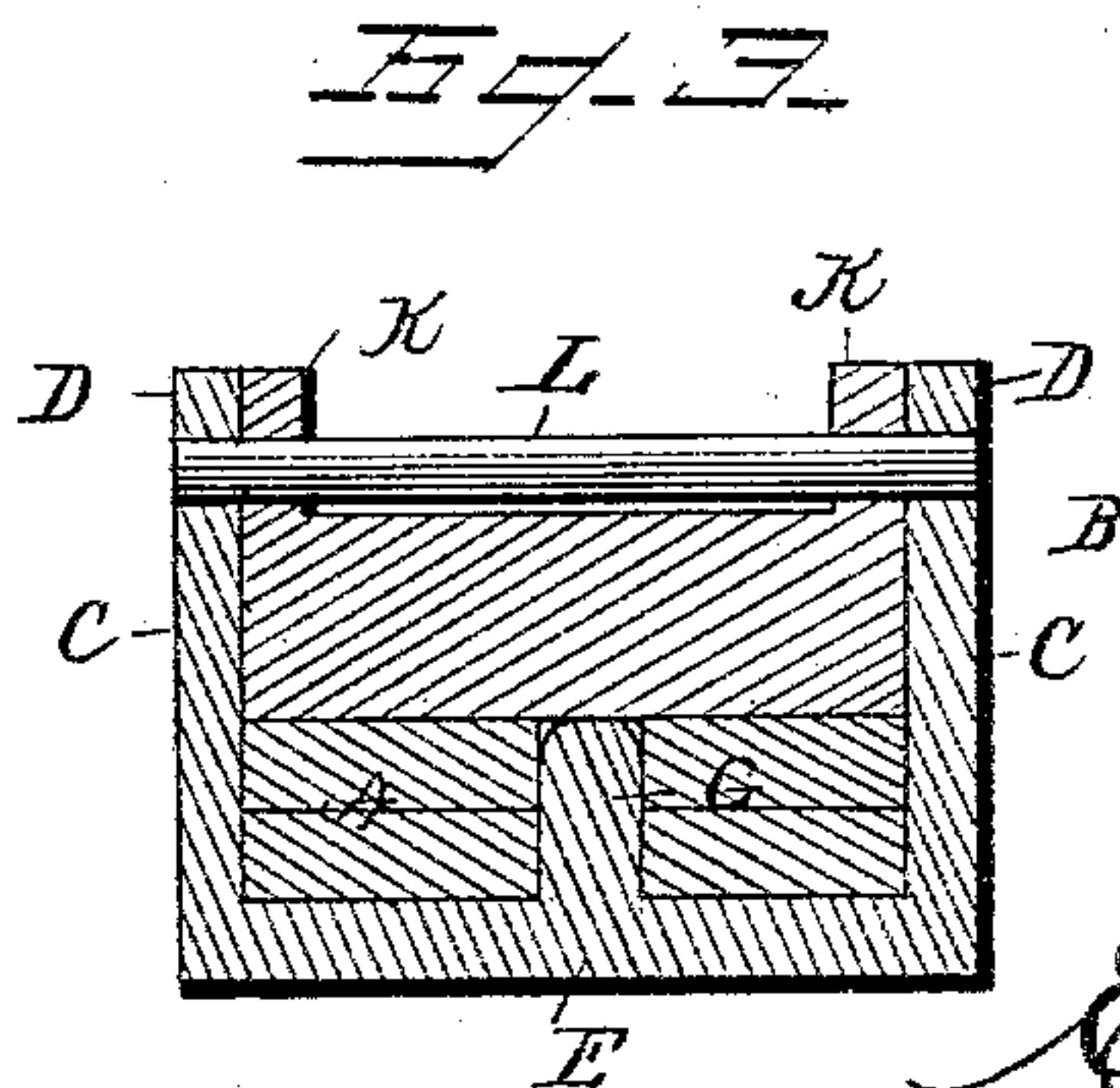
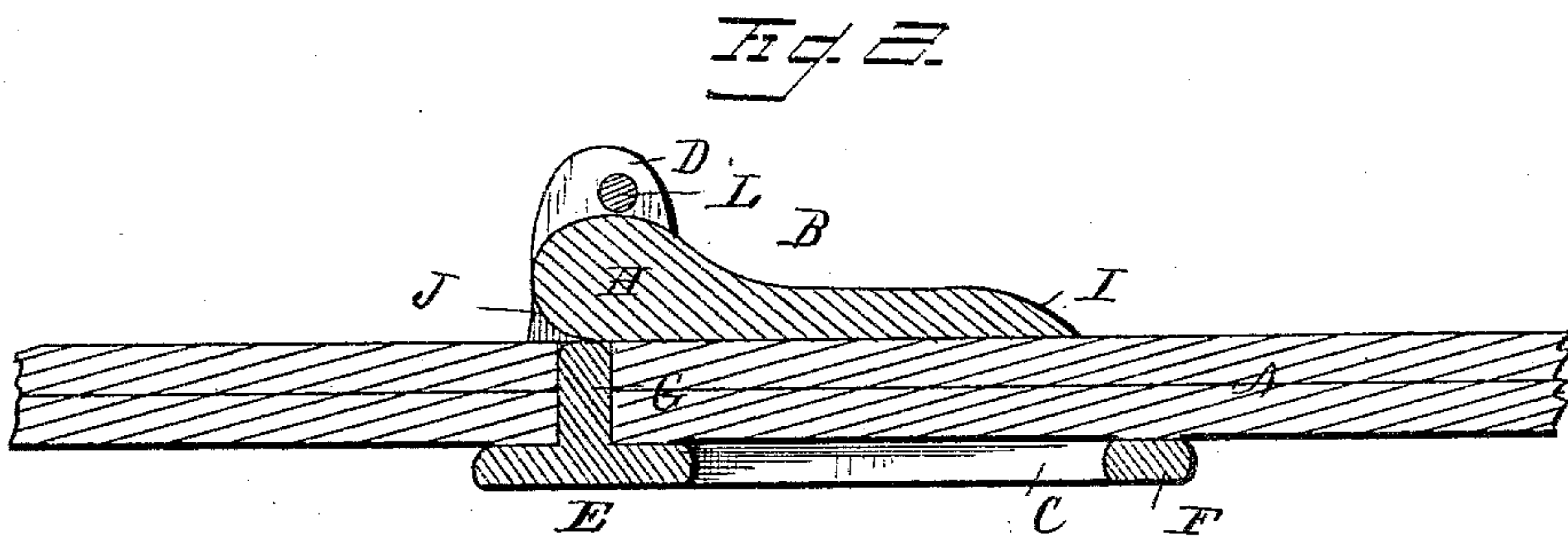
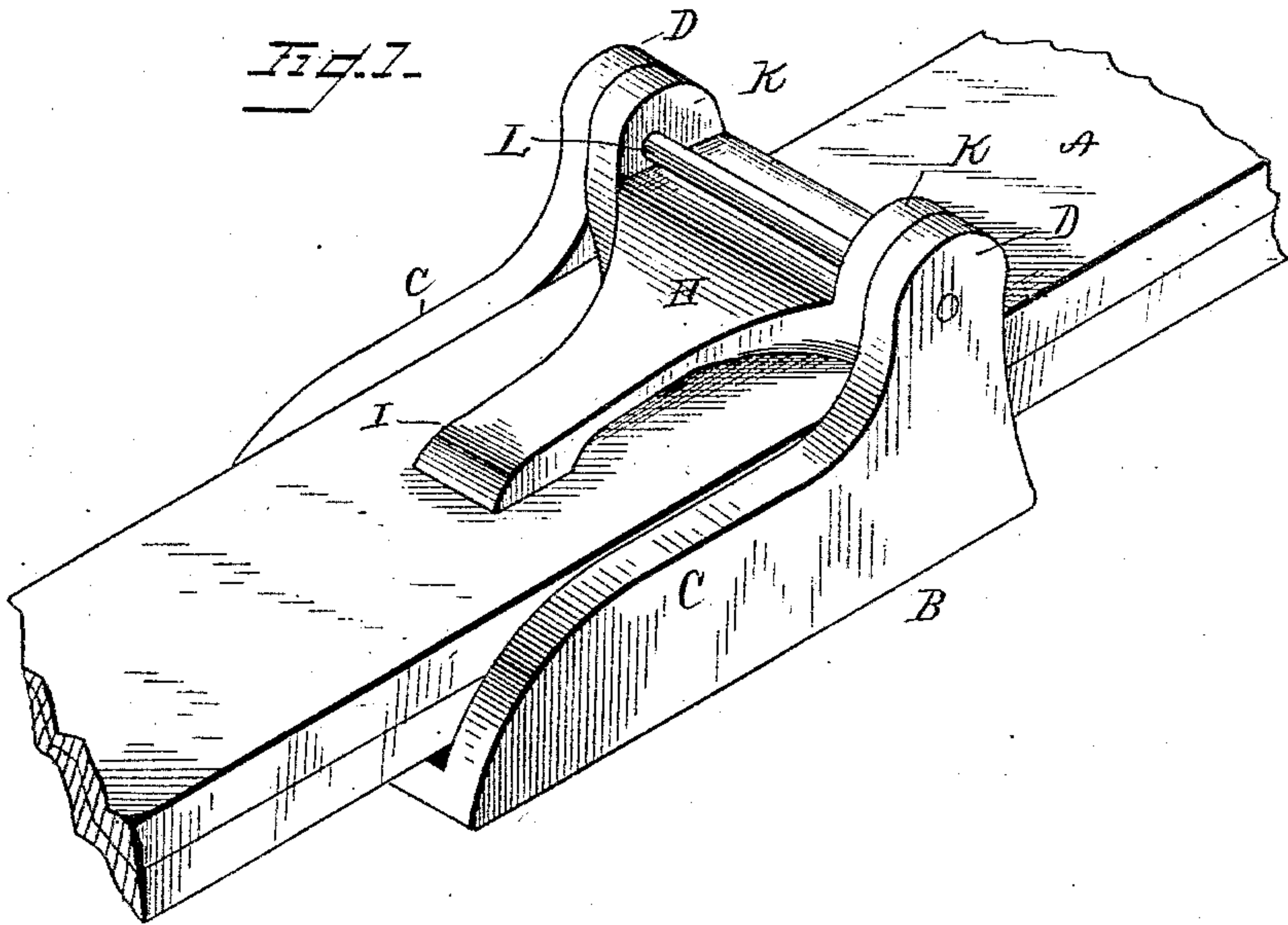
(No Model.)

E. F. BUTLER.

BUCKLE.

No. 300,303.

Patented June 10, 1884.



WITNESSES

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# UNITED STATES PATENT OFFICE.

EDWARD FRANKLIN BUTLER, OF WHITEWATER, WISCONSIN.

## BUCKLE.

SPECIFICATION forming part of Letters Patent No. 300,303, dated June 10, 1884.

Application filed March 25, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD F. BUTLER, a citizen of the United States, residing at White-water, in the county of Walworth and State of Wisconsin, have invented a new and useful Buckle, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to buckles; and it has for its object to provide a device of this character which will be simple and durable in its construction, efficient and convenient in operation, and which will prove of great utility.

The special object of my invention is to provide an improved buckle for use with hame-tugs, and by means of which the tug may be adjusted to various lengths, in a very short time.

With these and other objects in view the said invention consists in certain details of construction and combination of parts, as hereinafter set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating the use of my invention in connection with a portion of a hame-tug. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse section.

Like letters refer to corresponding parts in the several figures.

Referring to the drawings, A designates a portion of the hame-tug to which my improved buckle is attached, said tug having a series of holes, by means of which it can be adjusted to various lengths, in the manner hereinafter set forth.

B designates the buckle, which comprises the side walls, CC, curved along their upper edges, as shown, extensions DD being formed at the front ends of the side walls and projecting upwardly. The base of the buckle-frame is cut away, as shown, and consists of the cross-bars EF, which connect the front and rear ends of the side walls, the space between the cross-bars being left open, so as to lighten the weight and reduce the cost of the buckle. A tongue or stud, G, projects upwardly from the cross-bar F, and is adapted to engage with any one of the holes in the hame-tug in adjusting the latter to various lengths.

H designates the lever formed with an operating-handle, I, and having its front end formed

cam-shaped, as shown at J, ears KK extending outward from the sides at the front end of the lever, and connected by a transverse rod, L, the latter being secured in the outer ends of the extensions D of the side walls.

The operation and advantages of my invention will be readily understood from the foregoing description, taken in connection with the annexed drawings. The lever H is pivoted between the side walls of the buckle-frame by the rod L, and in its normal position presses at its front end against the hame-tug directly over the tongue G. When it is desired to adjust the tug to a shorter length, said tug is drawn farther through the buckle until the next hole engages with the tongue G, when the handle of the lever is operated, so as to cause the cam-shaped front end, J, to bear against the tug directly above the tongue. When it is desired to further adjust the tug, the lever may be raised and the parts adjusted in a similar manner. It will be seen that the cam-shaped front end of the lever enables the same to have a firm and efficient hold on the hame-tug, while the rear end or handle of the lever bears against the tug and prevents the same from moving outward. The side walls of the buckle-frame hold the tug from lateral displacement.

It will be apparent that my improved buckle is simple and durable in its construction, convenient and efficient in operation, and will prove of great utility for the purposes intended. The adjustment of the tug can be effected in a very short time by simply raising the lever, drawing the tug farther through the buckle, and then lowering the lever to its normal position. In adjusting the tug in the ordinary buckle it is necessary to draw the stiff tug out of various loops, which requires considerable time, and is very aggravating. My buckle does away with all this trouble and bother, and may effect the proper adjustments in one-half the time, besides saving the tug.

Loops may be arranged on the sides of the buckle-frame to receive the back-band and belly-band, in the manner and for the purpose well known.

Having described my invention, I claim—

1. The herein-described buckle, comprising the frame, a tongue or stud projecting from the same, and a lever journaled in the sides of the frame, one end of the lever being formed

cam-shaped, to bear directly over the tongue, and the other end terminating in a handle, which bears against the leather, as set forth.

2. The herein-described buckle, comprising  
5 the frame having a projecting tongue or stud at one end, a lever pivoted in the sides of the frame, and having a cam-shaped face at one end, to bear against the leather adjacent to the tongue or stud, and the other end of the lever  
10 terminating in a handle, the inner face of the

lever and the end of the handle being formed flat, to bear against the leather, as set forth.

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

EDWARD FRANKLIN BUTLER.

Witnesses:

WM. S. SWANY,  
H. HEADY.