

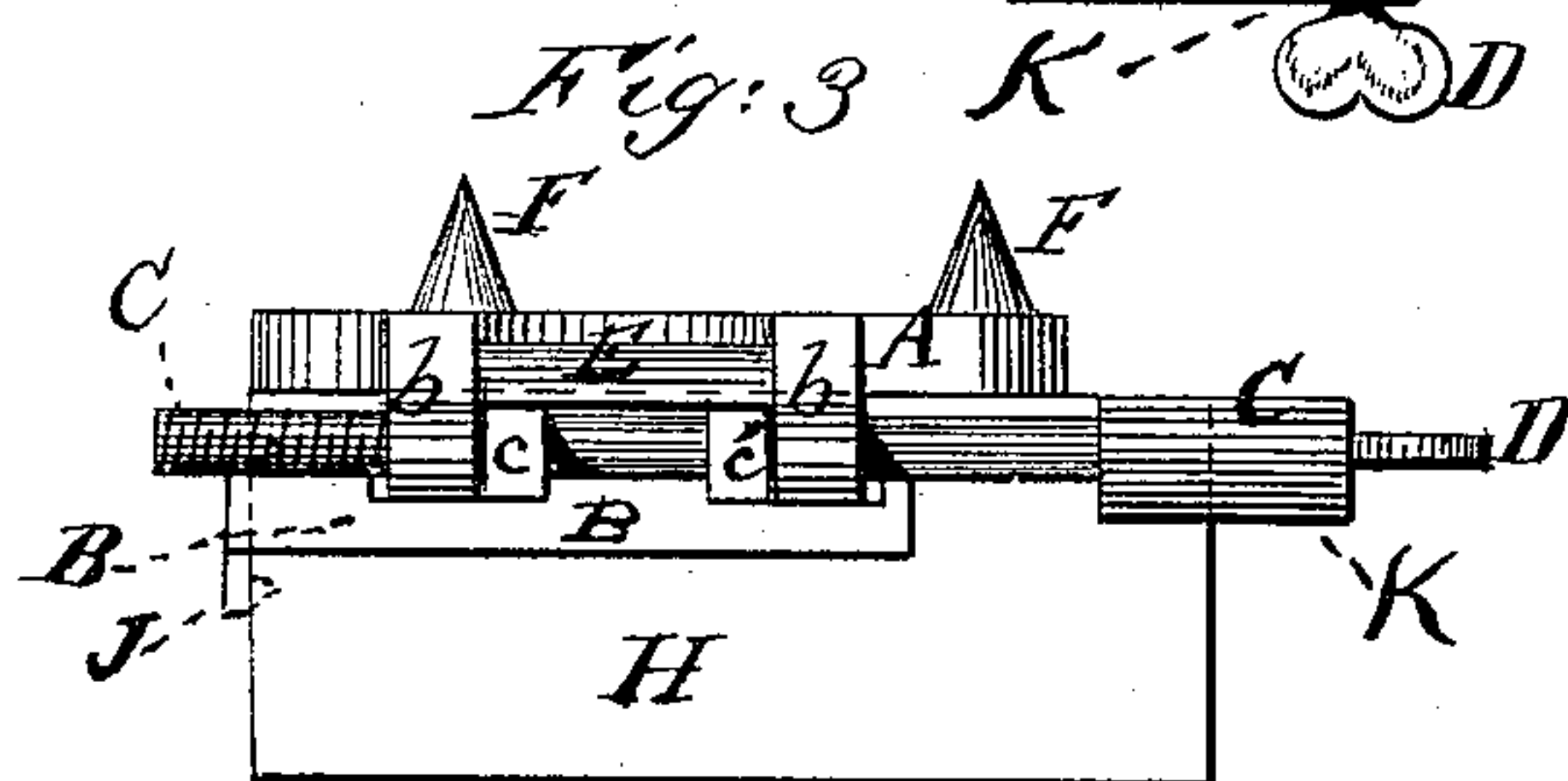
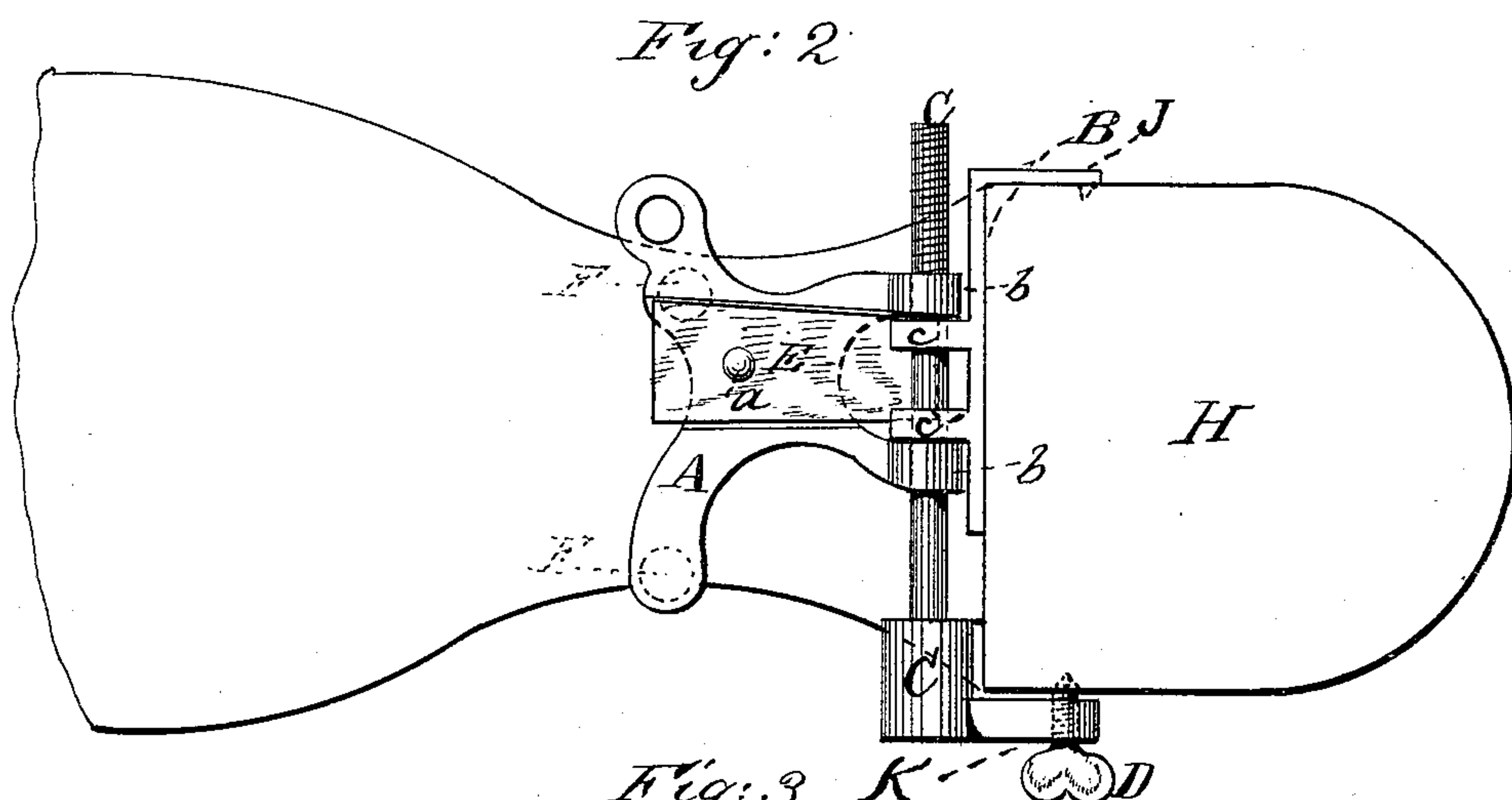
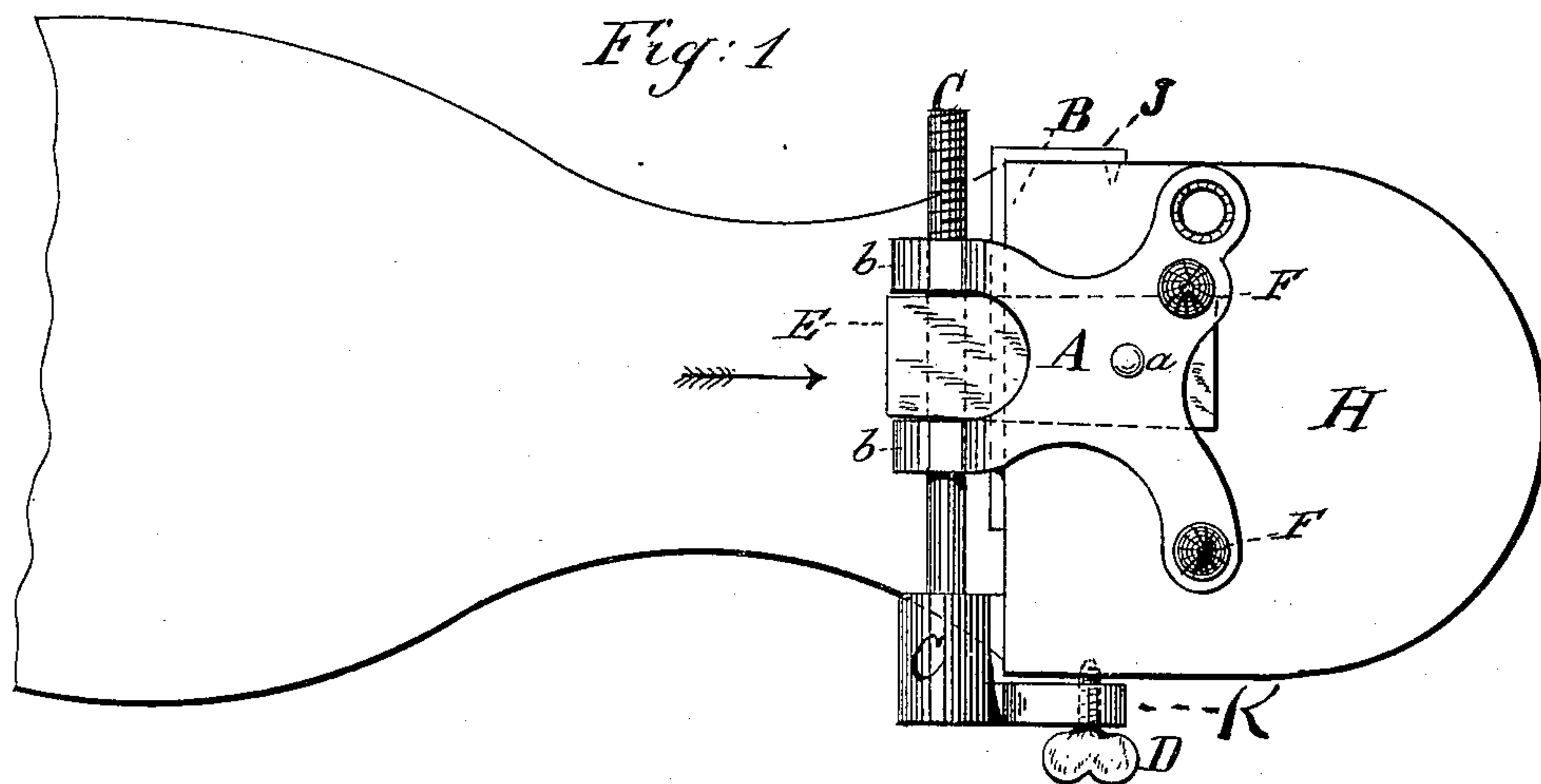
(No Model.)

L. H. SCOTT.

ICE CREEPER.

No. 329,496.

Patented Nov. 3, 1885.



Witnesses:

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UNITED STATES PATENT OFFICE.

LANPHEAR H. SCOTT, OF NEWARK, NEW JERSEY.

ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 329,496, dated November 3, 1885.

Application filed December 9, 1884. Serial No. 149,878. (No model.)

To all whom it may concern:

Be it known that I, LANPHEAR H. SCOTT, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Ice-Creepers, of which the following is a description.

My invention relates to that class of ice-creepers known as "reversible," which usually fasten upon the heel of the boot or shoe, and which can be swung or turned up into the instep of the shoe when not in position for active use, or can be turned flat upon the face of the heel when in position for use, at will.

The object of my invention is to provide a cheap and simple creeper composed of few and simple parts, and of easy construction.

The invention consists in the novel construction of the device, as will be hereinafter first fully described, and then specifically pointed out in the claim.

The mechanism of my invention is illustrated in the accompanying drawings, in which Figures 1 and 2 are plan views, Fig. 1 showing the creeper with the calk-plate resting upon the face or bottom of the heel, as when in active use, Fig. 2 showing the position of the calk-plate reversed or turned up into the instep of the shoe, as when not in active use, in which position it clears the ground or floor entirely. Fig. 3 is an edge view in the position shown in Fig. 1, and as seen in looking in the direction of the arrow.

A specific description of my invention is as follows, observing that similar letters refer to similar parts throughout the several views.

In Figs. 1, 2, and 3 H represents the heel of a boot or shoe.

B is a base-plate, which may be of iron, having an ordinary shoulder-clamp, J, on one end, which is provided with the usual small sharp points to embed themselves in the side of the heel. This base-plate is fitted to rest against the breast of the heel, and is provided near its end, opposite arm J, with lugs *c c'*, projected in a reverse direction to said arm. These lugs serve as bearings for the shaft C. The base plate, when worn out, may be conveniently replaced by a new one, as will be understood.

C is a threaded rod on the plain or unthreaded end of which is cast a shoulder, K, through which a thumb-screw, D, passes parallel to rod C. The threaded portion of rod

C is used to adjust the creeper to various sizes of heels, and the object of the thumb-screw D is to clinch or firmly tighten the creeper to the heel.

A is the calk-plate, provided with the usual points or calks, having lugs *b b*, which are drilled through to receive the rod C, the plate A being thus hung or pivoted upon the rod C in such manner as to straddle the lugs *c c'*. Plate A turns or pivots freely upon its bearing, rod C.

E is a flat spring, which may be riveted to plate A, the purpose of which is to secure the calk-plate in its two positions—viz., in use and out of use, or which might be termed its "active" and "negative" positions. This spring operates upon the lugs *c c'*, on the same principle as the spring and blade of an ordinary penknife, the ends of lugs *c c'* being square. The rivet *a* fastens spring E to plate A.

By means of the base-plate B, with its lugs *c c'*, and the rod C, with its thumb-screw D, a convenient and strong mode of attaching the creeper to the heel is obtained and the adjustment to different sizes of heels readily accomplished. The points on the plate A become blunted or entirely worn off long before other parts of the creeper are materially affected.

The arrangement of the device constituting my invention allows the calk-plate to be easily removed by unscrewing the connecting-rod C, discarding the old or worn out plate and replacing it with a new one with the expense only of the new plate.

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

An ice-creeper comprising the base-plate B, fitted to rest against the breast of the heel, and provided at one end with a clamp-arm, J, and near its other end with lugs projected in a reverse direction to the arm J, the calk-plate having lugs lapped alongside those of the base-plate, the spring, and the rod C, having one end threaded and inserted through the lugs of the calk and base plates, and provided at its other or outer end with a clamp, substantially as set forth.

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Witnesses:

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