

L. PULLIAM.
Stirrup.

No. 222,155.

Patented Dec. 2, 1879.

Fig. 1.

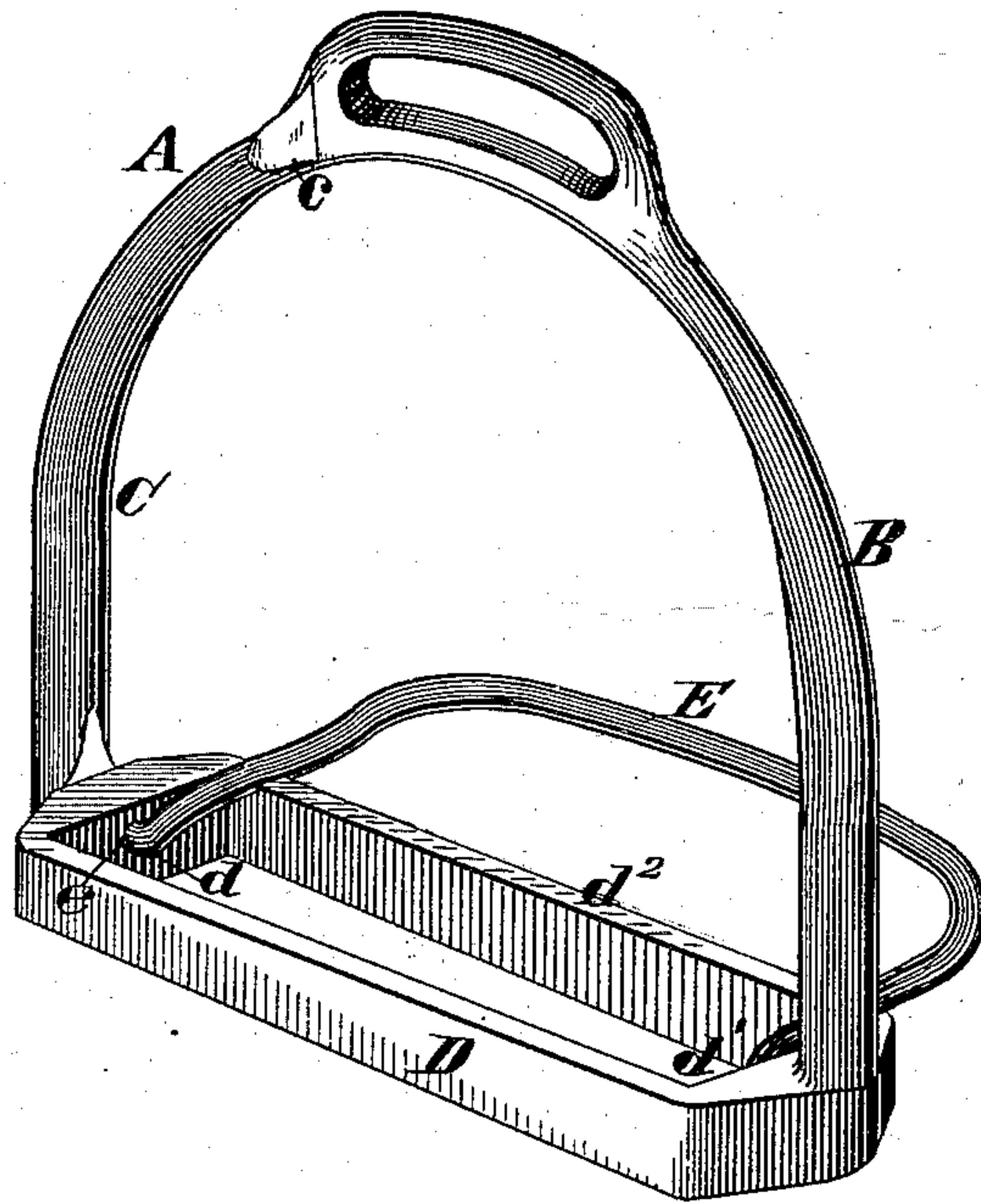


Fig. 2.

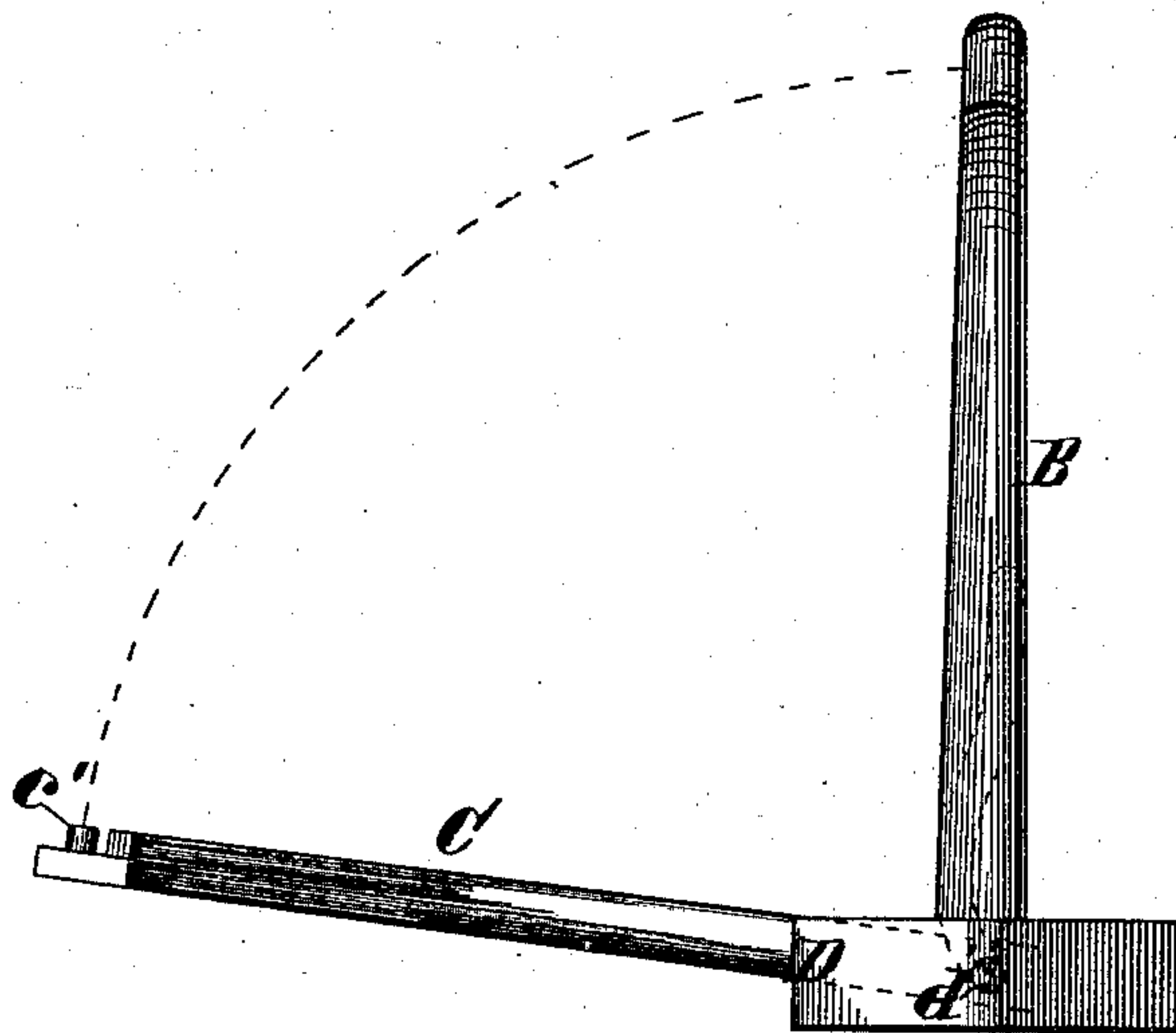


Fig. 3.

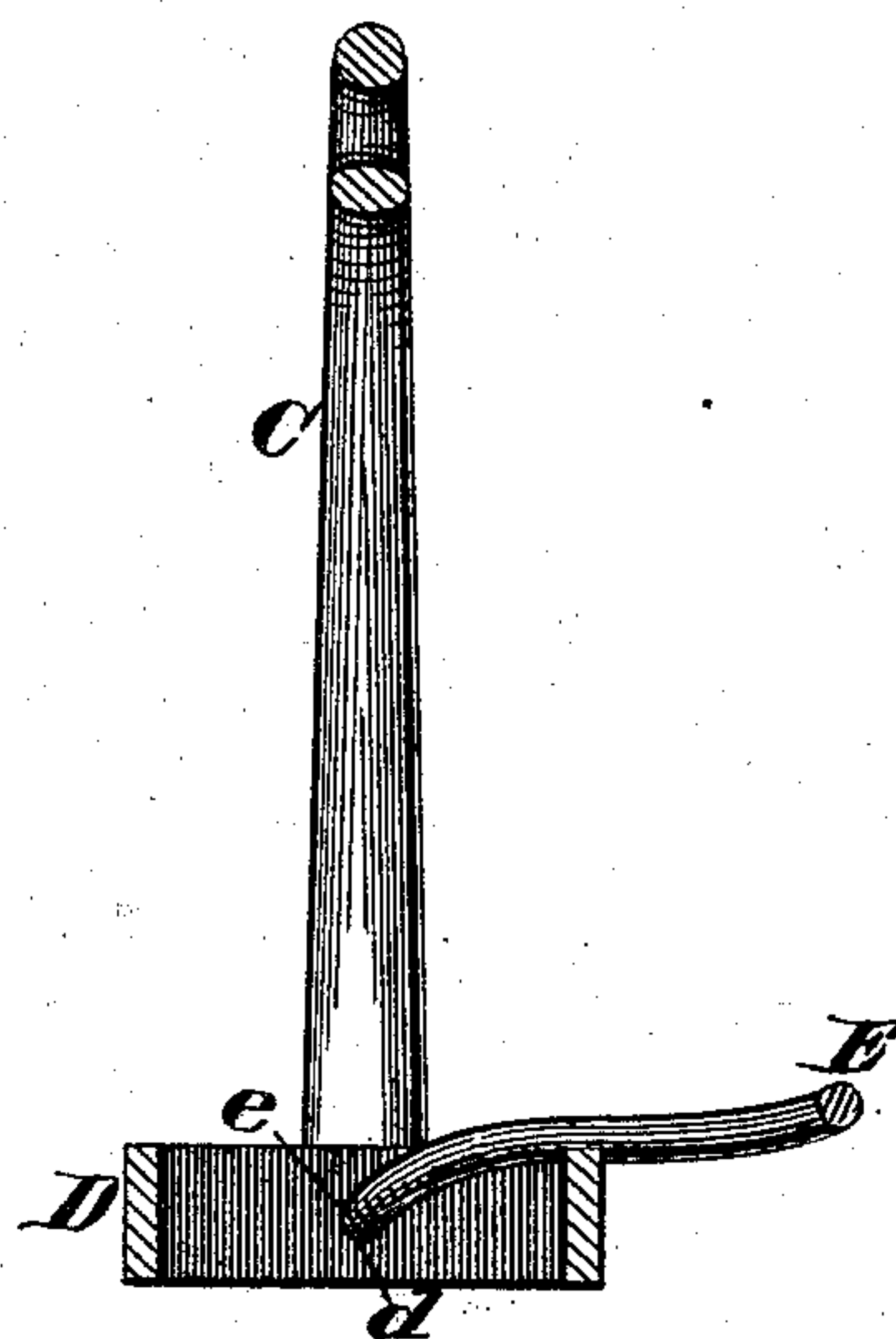
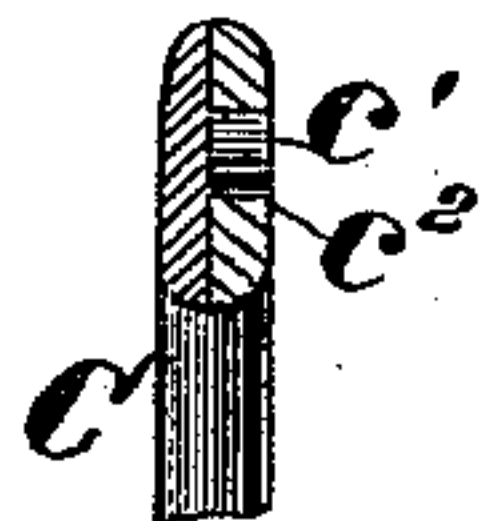


Fig. 4.



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UNITED STATES PATENT OFFICE.

LUTHER PULLIAM, OF MIAMI, MISSOURI, ASSIGNOR OF ONE-HALF OF HIS
RIGHT TO GEORGE G. DUGGINS, OF SAME PLACE.

IMPROVEMENT IN STIRRUPS.

Specification forming part of Letters Patent No. **222,155**, dated December 2, 1879; application filed
October 4, 1879.

To all whom it may concern:

Be it known that I, LUTHER PULLIAM, of Miami, Missouri, have made a new and useful Improvement in Stirrups, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a view, in perspective, of the improved stirrup; Fig. 2, a side elevation, the stirrup being opened; Fig. 3, a vertical section; and Fig. 4, a detail, showing the mode of fastening the branch when the stirrup is closed.

The same letters denote the same parts.

The present invention is an improvement in that class of safety-stirrups wherein one branch of the stirrup opens away from the other branch; and it consists, partly, in the mode of opening the branch, partly in the means for keeping it closed, and partly in the means for fastening it when closed. It also relates to the inclined foot-rest extension.

In the drawings, A represents the improved stirrup, having the branches B and C, the foot-rest D, and an extension, E, of the foot-rest.

One branch, B, and rest D are of the usual shape. The outer branch, C, at its lower end, is journaled in the rest D at d , and at its upper end at c is made to open backward and away from the branch B, in the direction indicated in Fig. 2, and, in opening, turning in the bearing d .

The part E extends forward of the rest D. At its rear end it is journaled in the stirrup D at d' , the journal e extending and connecting with the journal of the branch C, causing

the two parts C E to move as one part in the bearings d d' . When the stirrup is closed the extension E bears, preferably, upon the front d^2 of the rest D. The bearing d and rest D may be omitted, and the part C E may turn solely in the bearing d' . In operation, the ball of the rider's foot presses upon the extension E, serving to keep the stirrup closed; but in case the rider is thrown, the foot no longer presses upon the extension but draws backward against the branch C, which then turns in the bearings d d' , opening the stirrup and releasing the foot. When the stirrup is closed a stud, c' , with which the branch C is furnished, engages in a perforation, c^2 , in the fixed part of the stirrup. This serves to aid in upholding the branch C, when the rider's weight comes upon the rest D, and keep the outer part of the stirrup from sagging.

The extension E also serves another purpose, to provide an easy support for the foot, being inclined upward from the rest D, as shown in Figs. 1 and 3.

I claim—

1. The combination, in a stirrup, of the part C E and rest D, substantially as described.
2. The combination, in a stirrup, of the branch B and the part C E, the latter being journaled in the stirrup at d d' , substantially as described.
3. A stirrup having an extension, E, extending forward and upward from the main foot-rest.

L. PULLIAM.

Witnesses:

G. G. DUGGINS,
M. A. BROWN.