

No. 731,327.

PATENTED JUNE 16, 1903.

J. SIMMONS.  
LINE LOCK.

APPLICATION FILED MAY 16, 1902.

NO MODEL.

Fig. 1

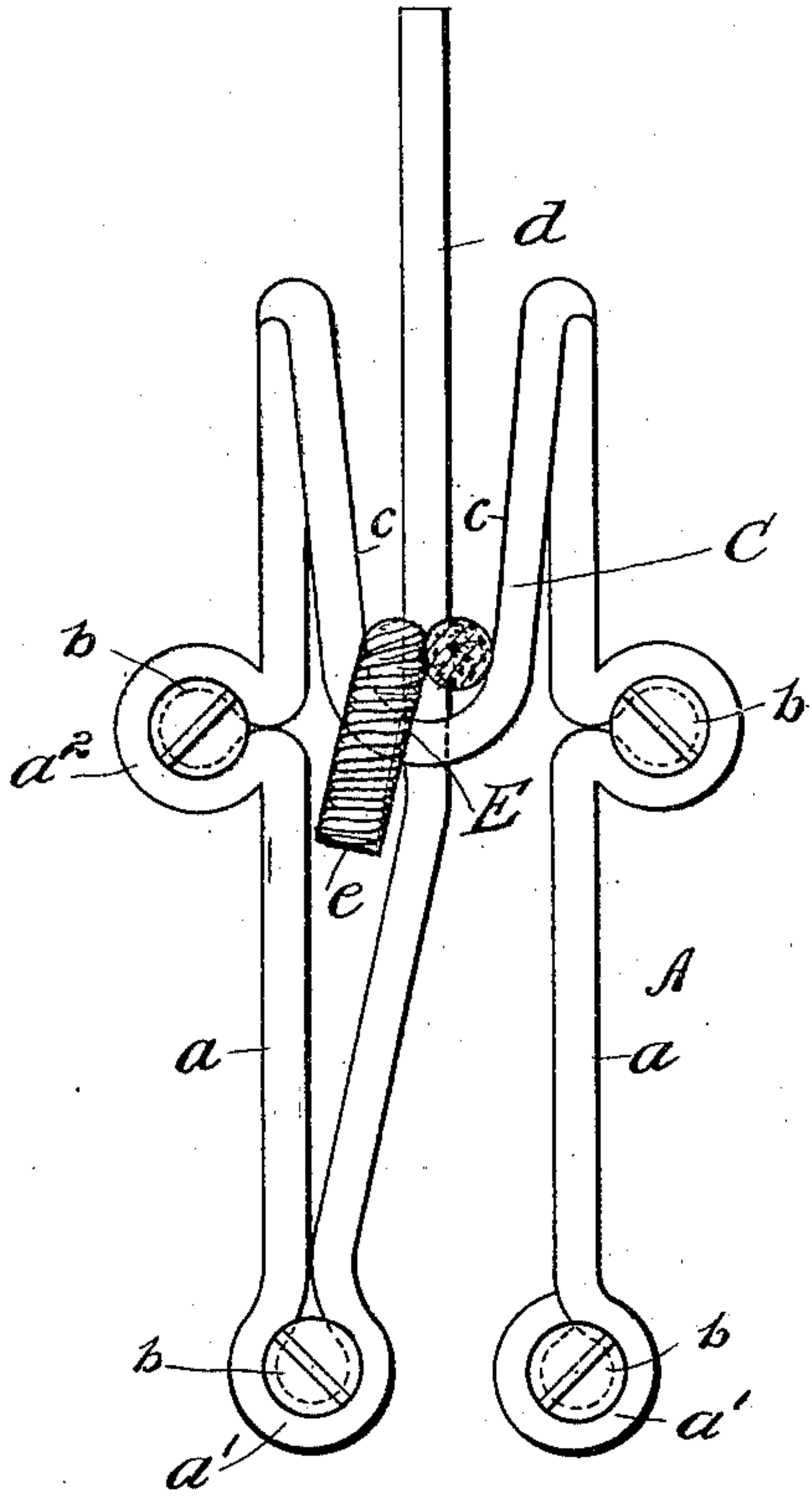


Fig. 2

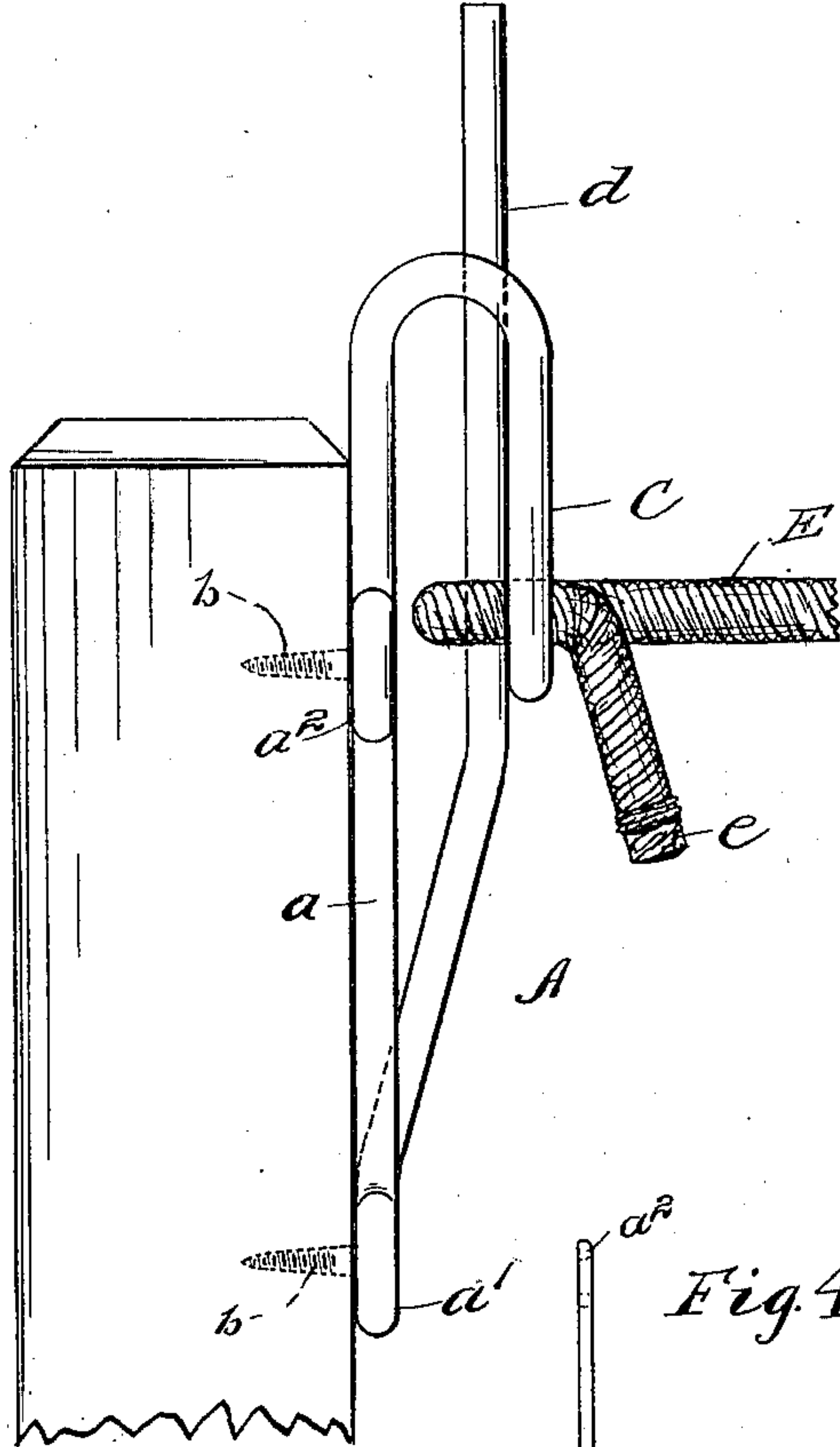


Fig. 3

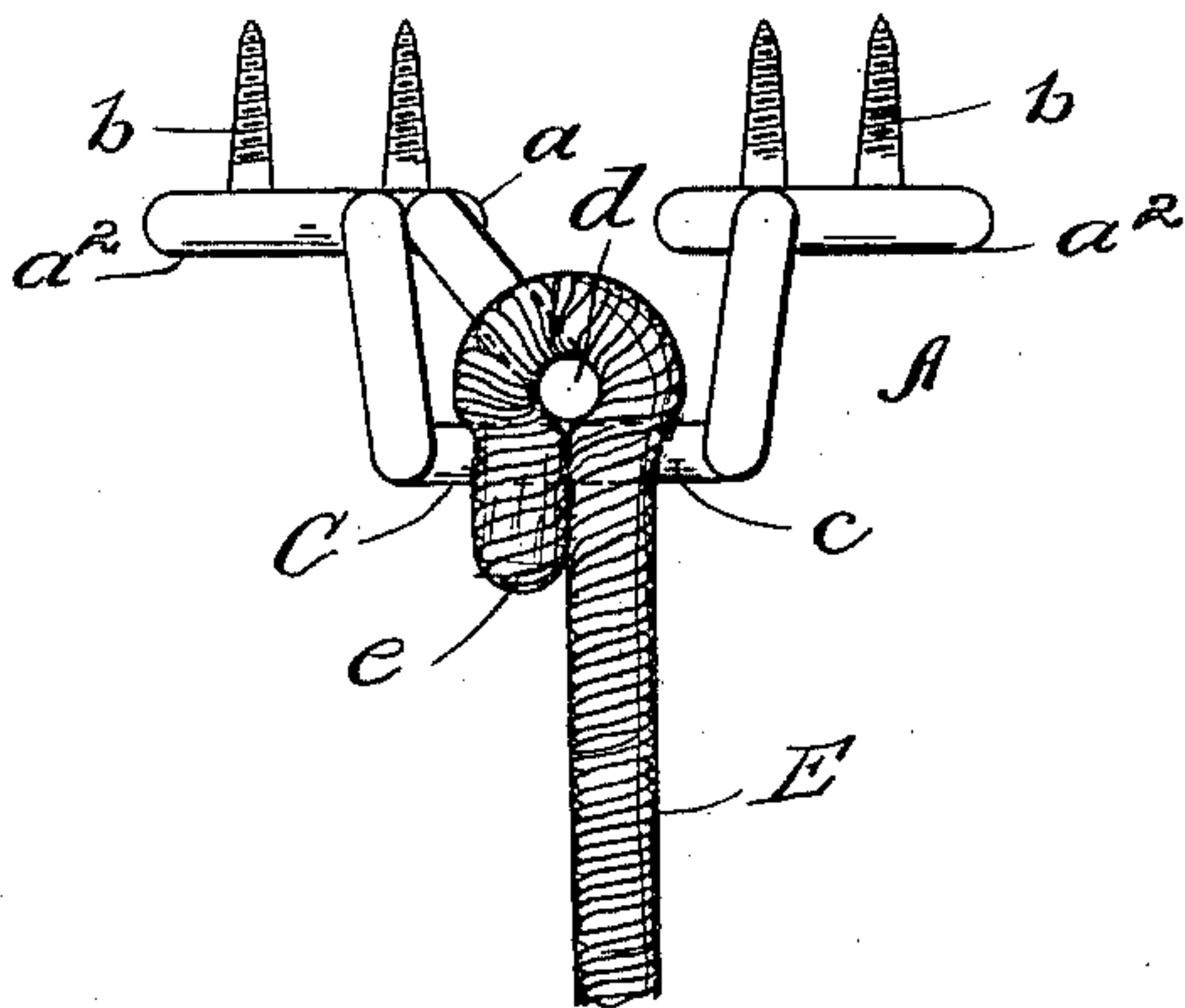
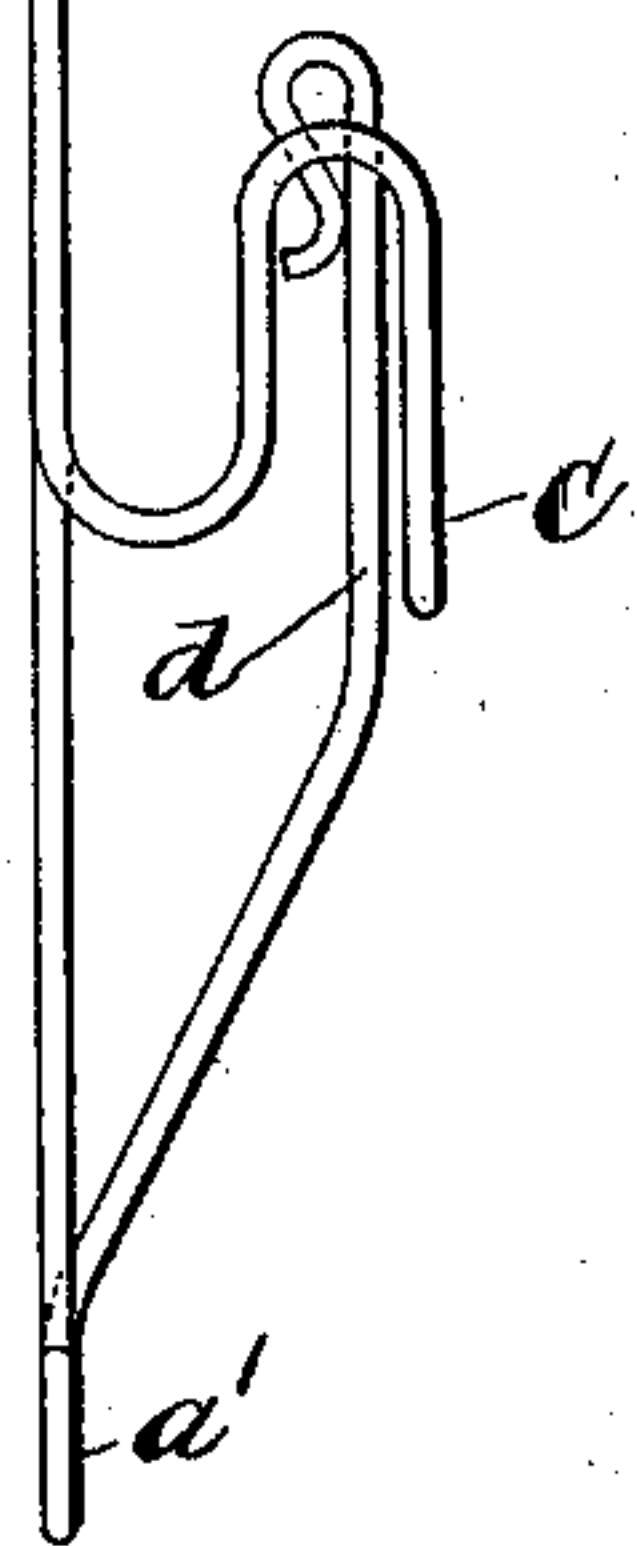


Fig. 4



Witnesses:

A. A. Johnson.  
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Inventor,  
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By Glenn S. Nobles  
Att'y

# UNITED STATES PATENT OFFICE.

JOSEPH SIMMONS, OF CHICAGO, ILLINOIS.

## LINE-LOCK.

SPECIFICATION forming part of Letters Patent No. 731,327, dated June 16, 1903.

Application filed May 16, 1902. Serial No. 107,650. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH SIMMONS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Line-Locks, of which the following is a full and complete specification.

This invention relates to means for securely fastening a line, rope, or the like and is embodied in the device described and claimed hereinafter.

The objects of this invention are to provide means for the purpose indicated, which will be simple and cheap in construction and efficient in operation and which will supplant the use of ordinary hooks and rings now used for such purpose, which require tying a knot in the line.

In the drawings, Figure 1 is a front elevation of line-lock with a line shown in engagement therewith. Fig. 2 is a side view of the same, and Fig. 3 is a top plan view. Fig. 4 is a side view showing a modified form of construction.

As preferably constructed this device consists of a single piece of suitable wire or rod A bent up to form the complete lock or fastener. Two side pieces *a a* are provided with eyelets *a' a²* to engage with screws *b*, by means of which the lock is secured in any convenient place. At the upper extremity the wire is bent out and down to form a substantially V-shaped loop C, with sloping sides *c c*. One end of the wire is bent up after forming the eyelet *a'* to form a tongue *d*, which is immediately back of and centrally disposed in relation to the loop C. The spring of the wire will allow this tongue a slight forward movement when the line is drawn in place.

In operation the rope E is drawn tight, and the free end *e* is brought around the tongue *d* and drawn into the V-shaped loop C, which forces the sections together, as shown in Fig. 3, and securely locks the rope. If a more permanent or secure fastening is desired, a half-hitch may be taken over the tongue or one of the upper loops.

In the modified form shown in Fig 4 portions of the side pieces *a* are offset before being bent out and down to form the loop C in order to leave a space between them and any post or surface upon which the lock may be attached. The tongue *d* is also terminated with a hook to prevent any possibility of the rope becoming disengaged.

This device is especially adapted for fastening clothes-lines where a number of supports are desired. It does away with the cumbersome knots necessary to an ordinary fastening, allows the line to be put up and taken down more quickly and easily, and in case one of the sections is broken the remainder of the line will not fall, as it is securely locked at each support. It is also readily adapted to securing boat-lines and, in fact, for securing a rope or line for any purpose where a quick fastening is desired, and one which can be readily loosened when there is a strain on the rope.

I do not wish to limit myself to the exact form of construction shown; but

What I claim, and desire to secure by Letters Patent, is—

1. A line-lock comprising a wire bent to form side pieces *a, a*, then bent out and down to form a substantially V-shaped loop C, said loop being at no point narrower than the line to be held, but at the lower extremity substantially narrower than a double thickness of the line, and one end of said wire bent to form a tongue *d* at the rear of and centrally disposed in relation to the loop C, whereby the sections of a line drawn around said tongue may be forced together and locked by said loop, substantially as described.

2. A line-lock formed of wire comprising the side pieces *a*, which are offset, then bent out and down to form a V-shaped loop C with converging sides *c, c*, and a tongue *d* terminating in a hook substantially as described.

JOSEPH SIMMONS.

Witnesses:

R. A. JOHNSON,  
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