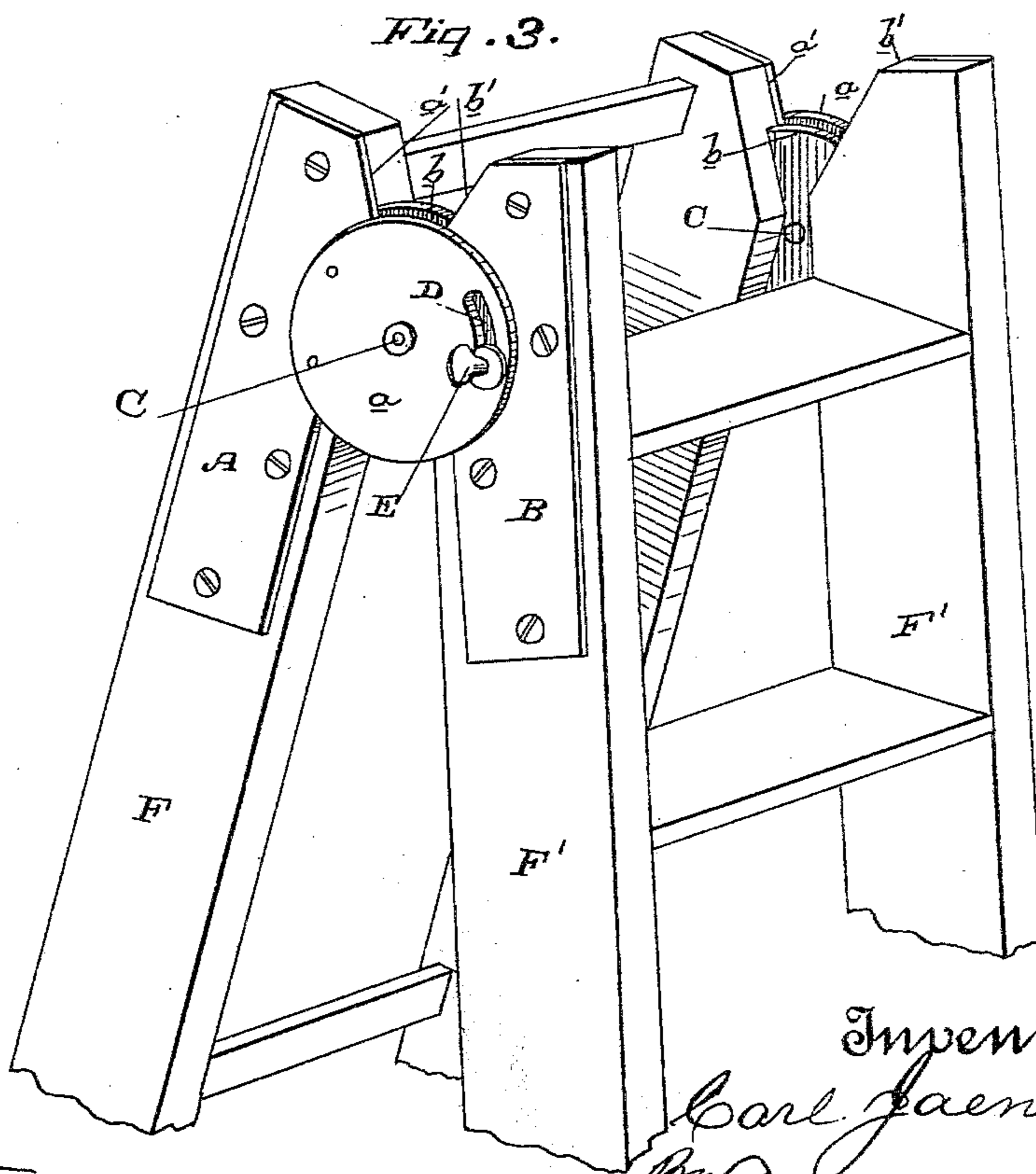
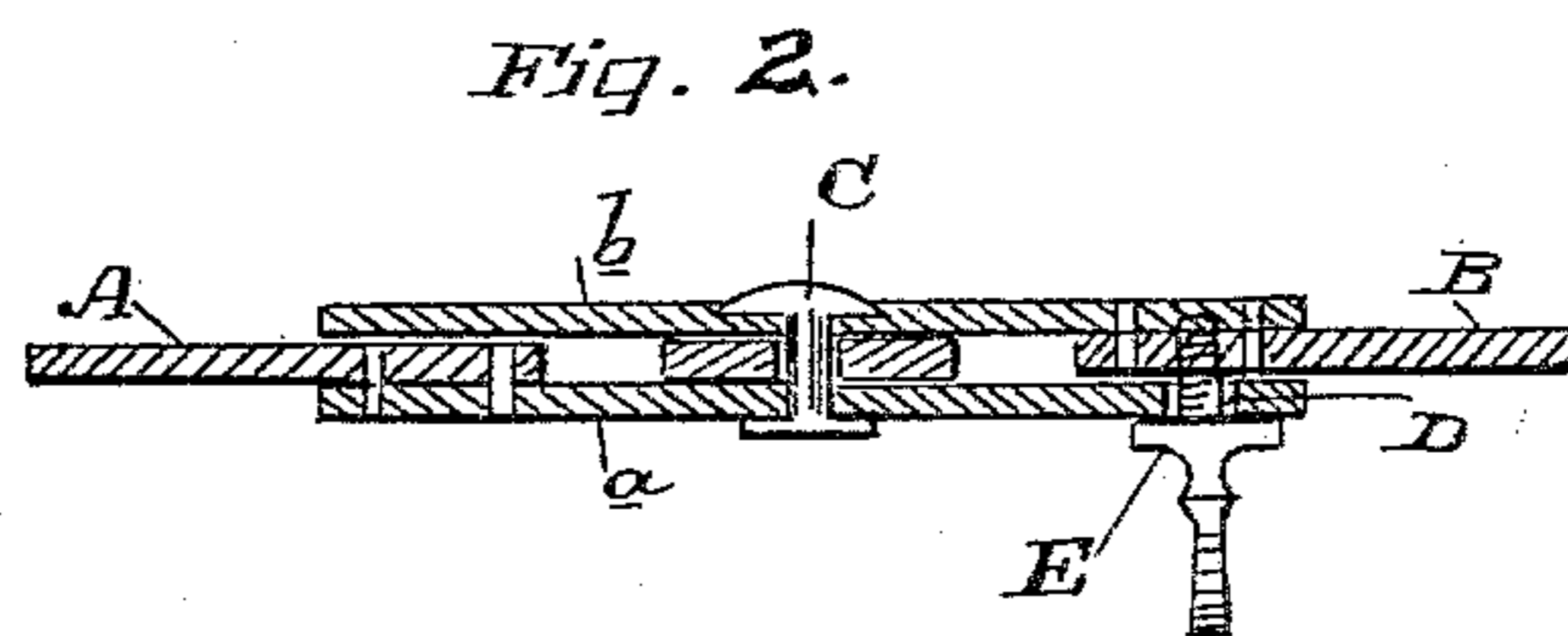
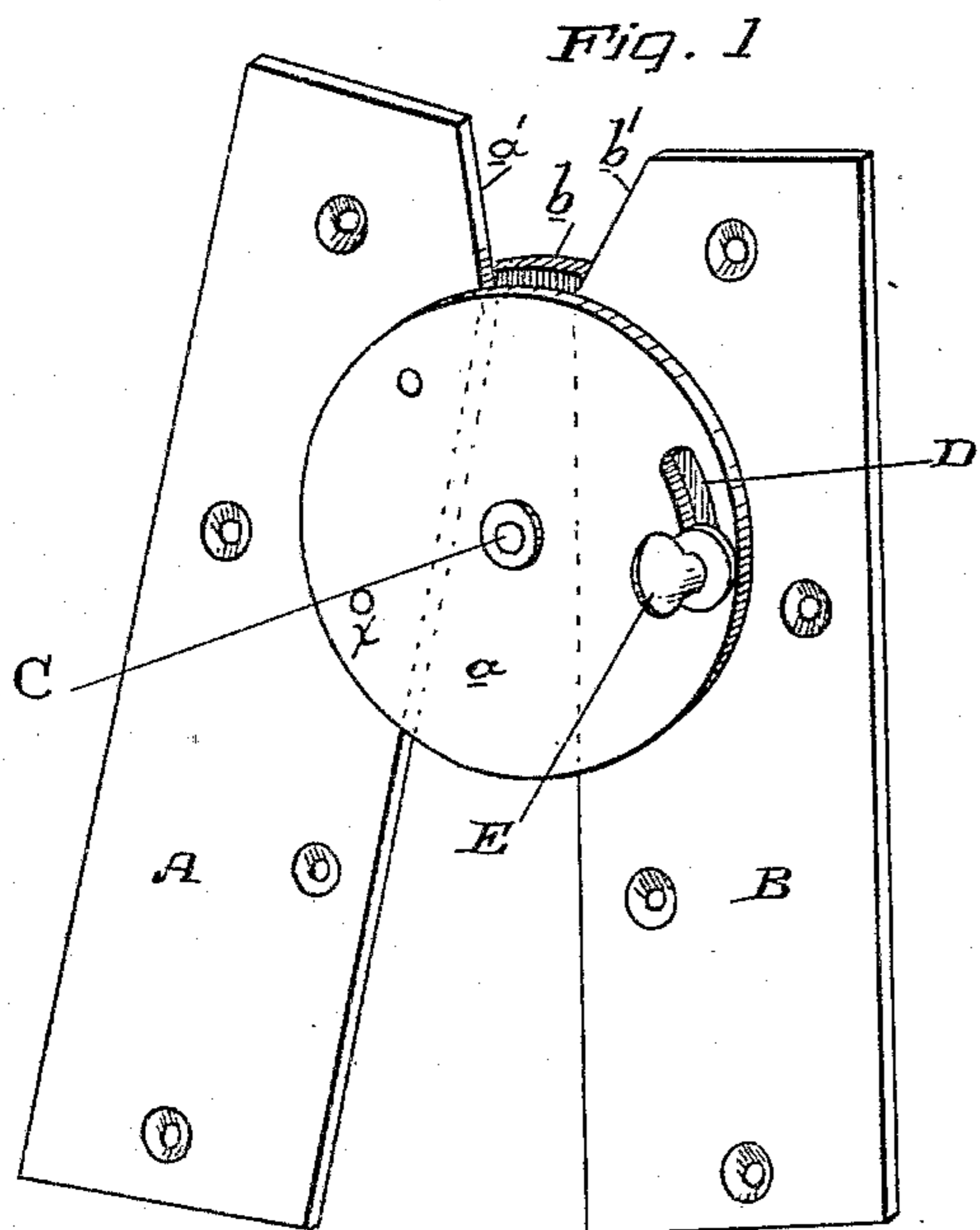


(No Model.)

C. JAENIG.
HINGE.

No. 412,093.

Patented Oct. 1, 1889.



Witnesses,

Geo. H. Strong
J. H. Hulse

Inventor,

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Attys

UNITED STATES PATENT OFFICE.

CARL JAENIG, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO
MAX PAULY, OF SAME PLACE.

HINGE.

SPECIFICATION forming part of Letters Patent No. 412,093, dated October 1, 1889.

Application filed March 6, 1889. Serial No. 302,164. (No model.)

To all whom it may concern:

Be it known that I, CARL JAENIG, of the city and county of San Francisco, and State of California, have invented an Improvement in
5 Hinges; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to the class of hinges; and it consists in the construction and combination of devices, which I shall hereinafter
10 fully describe and claim.

Referring to the accompanying drawings, Figure 1 is a perspective view of my hinge. Fig. 2 is a horizontal section of same. Fig. 3
15 shows the application of the hinge to a step-ladder.

A is a strap adapted to be screwed or otherwise secured to one of the parts to be hinged.

B is a similar strap to be secured to the opposing part. Upon the strap A is formed or
20 secured a disk *a*, and upon the strap B, but on its opposite side, is formed or secured a disk *b*. These disks project sufficiently to overlap the opposite straps, and they are united centrally by a pivot pin or bolt C. In one of the
25 disks is made an elongated slot D, through which passes a thumb-screw E. By loosening this screw the two straps may be moved apart or brought together, turning about the pin or bolt C as a center, and by tightening the screw
30 the hinge is locked and the straps are held in the position to which they are adjusted.

Although this hinge may be applied to many purposes, I have herein illustrated it in connection with a step-ladder, in which F is one

of its sides, and F' is the other. To these sides 35 the straps A and B are screwed, the wood being cut away suitably for the inner disk. The disks overlapping the opposite straps or plates of the hinge provide guides in which
40 said straps or plates accurately move and add strength to the hinge, which is therefore well adapted for such purposes as ladders. The upper adjacent edges *a'* and *b'* of the straps or of the sides, being cut at any suitable bevel
45 and coming in contact with each other, may be made to form a positive stop to limit the outward play of the hinge, and the limit of opening of the hinge may be therefore defined
50 by cutting the said edges to any desired angle. At all intermediate points the set-screw E will hold the hinge.

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

An adjustable hinge consisting of the straps 55 A B, the disks *a b*, secured to or formed with said strap on relatively opposite sides, whereby each disk overlaps the opposite strap, the central pivot pin or bolt C, uniting the disks, the elongated slot in the overlapping portion
60 of one disk, and the set-screw passing through said slot, substantially as described.

In witness whereof I have hereunto set my hand.

CARL JAENIG.

Witnesses:

KIRK KINNEY,
J. H. BLOOD.