

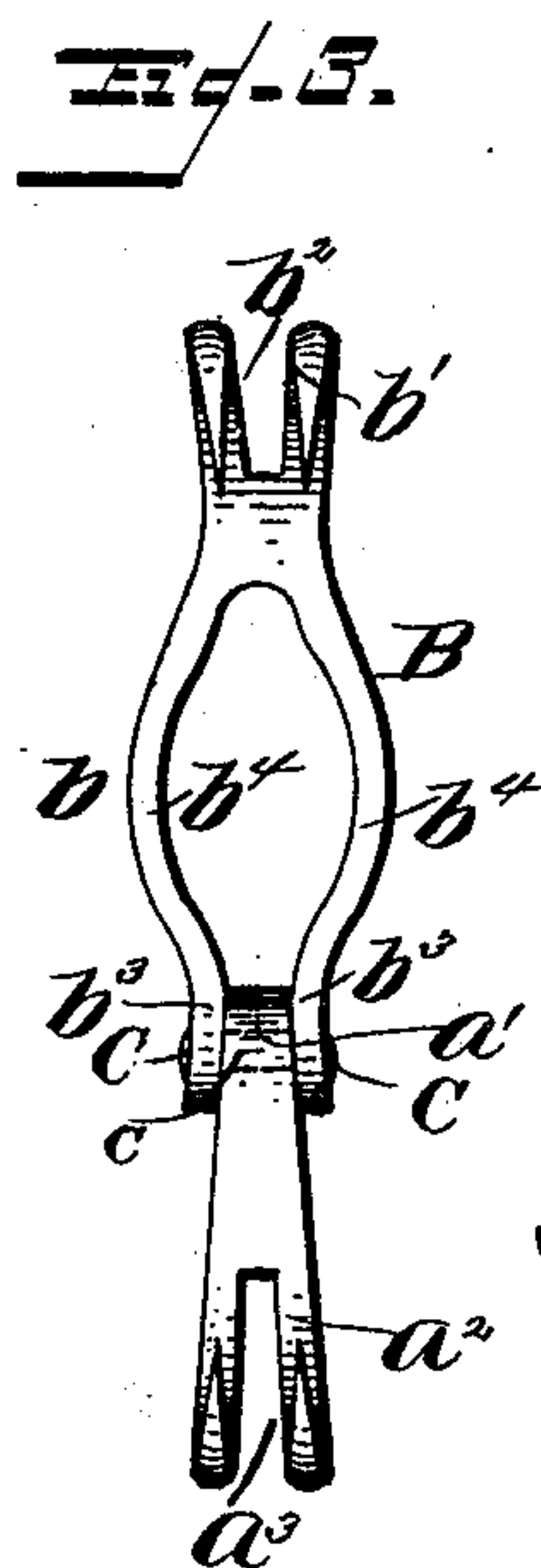
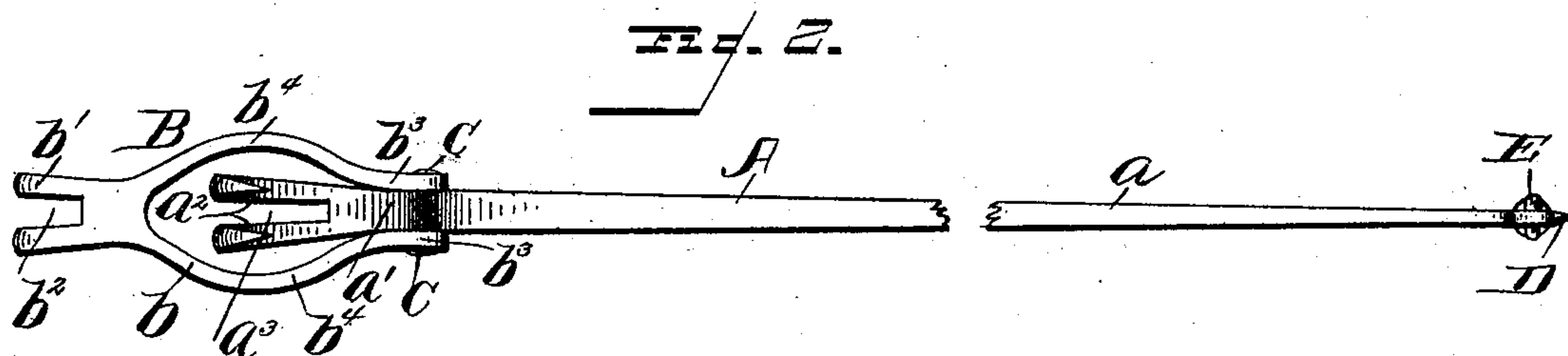
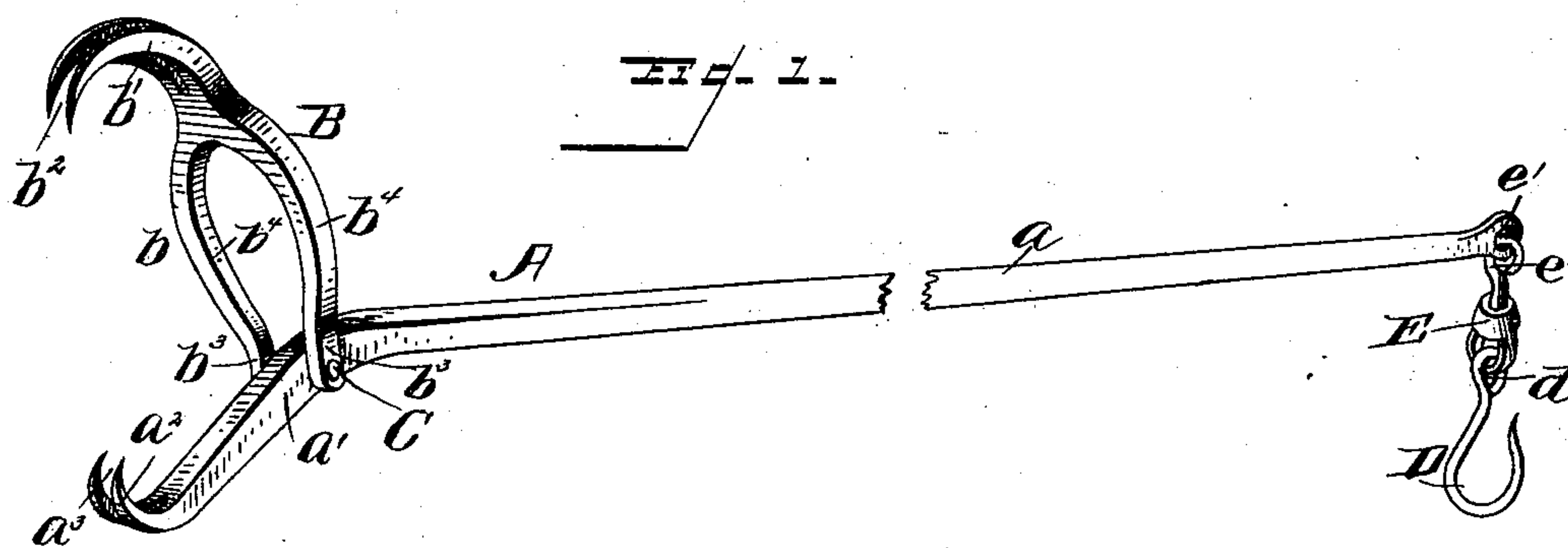
(No Model.)

2 Sheets—Sheet 1.

S. C. REED.
BINDING LEVER OR CLAMP.

No. 506,254.

Patented Oct. 10, 1893.



Witnesses

C. C. Hunt.
C. M. Brown.

Inventor
Samuel Curtis Reed
by *J. R. Little,*
his Attorney

(No Model.)

2 Sheets—Sheet 2.

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Fig. 4.

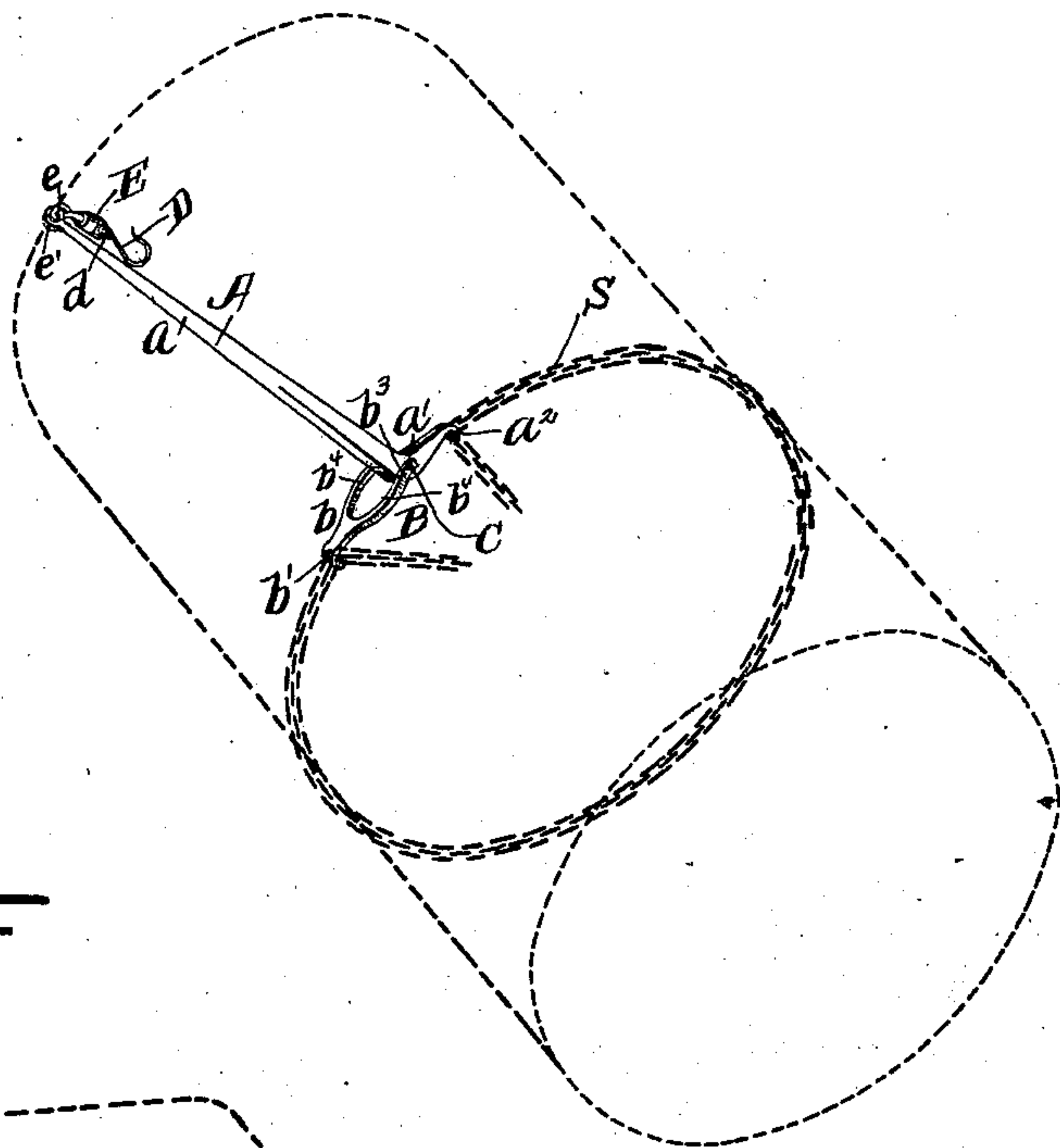
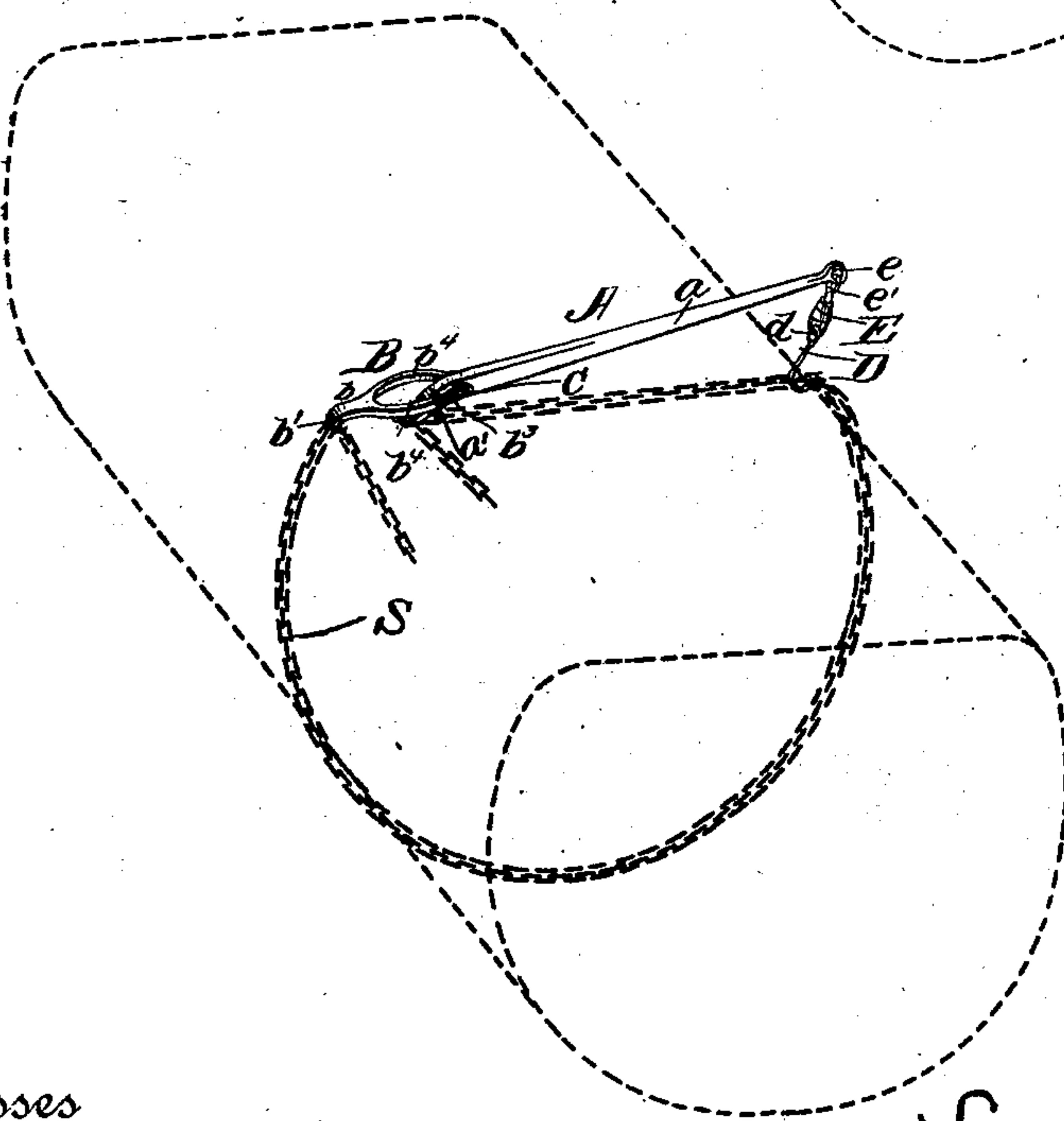


Fig. 5.



Witnesses

C. Hunt.
C. W. Brown.

Inventor

Samuel Curtis Reed

by

J. R. Little,
his Attorney

UNITED STATES PATENT OFFICE.

SAMUEL CURTIS REED, OF FALLS CREEK, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF TO ANDREW SOUTHWORTH, OF SAME PLACE.

BINDING LEVER OR CLAMP.

SPECIFICATION forming part of Letters Patent No. 506,254, dated October 10, 1893.

Application filed December 17, 1892. Serial No. 455,517. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL CURTIS REED, a citizen of the United States, residing at Falls Creek, in the county of Clearfield and State of Pennsylvania, have invented a new and useful Improvement in Binding Levers or Clamps, of which the following is a specification.

This invention relates to that class of levers, clamps, or similar devices, which are designed for use in binding a load or bundle of logs, boards, or the like, the device being adapted to engage the chain by which the load or bundle is bound.

The object of my invention is to provide a simple and improved binding lever or clamp for the purposes herein stated, which can be effectively and conveniently operated to securely bind a load or bundle of logs, or other heavy material.

In the drawings: Figure 1 is a perspective view, illustrating my binding lever or clamp. Fig. 2 is a top view of the same. Fig. 3 is a front end view. Fig. 4 is a perspective view illustrating the operation, the device being open and ready for use. Fig. 5 is a corresponding view illustrating the operation of the device and showing (in dotted lines) the load bound.

Corresponding parts in all the figures are denoted by the same letters of reference.

Referring to the drawings, A designates the main pole or member of the device, which is formed in the shape of a bar or rod, a , having its front end turned downwardly and preferably inclined forwardly, as shown at a' . At the point of the end a' is provided a hook, a^2 , projecting forwardly and bifurcated as shown at a^3 . The main pole or member A is preferably formed of metal with all its parts integral.

B designates the auxiliary or pivotal member of the device, which is approximately hook-shaped in contour and embodies a downwardly and inwardly projecting hook, b' , at its front end, bifurcated as shown at b^2 , and a main or body portion, b , by which it is pivoted upon the main pole or member A. Main portion b of the pivotal member B, at its rear end, is formed by two side pieces or bars, b^3 , preferably bulged or outwardly-curved at their central portions, as shown at b^4 , to per-

mit of the passage of the hooked end of the pole A between the bars b^3 b^3 , by which construction the pivotal member B is permitted to swing freely upon the main pole or member A and the hooked end of the latter passes freely through the open or skeleton main or body portion of the former. The rear ends of the side pieces or bars b^3 b^3 are pivotally connected with the front end of the pole A, the pivotal point being preferably just below the bend at the front end of the pole A and the pivotal bearing being preferably formed by a cross-bar or pin, C, connecting the rear ends of the side pieces b^3 b^3 and having a bearing in an opening, c , in the front end a' of the pole or main member A. The pivotal hook-shaped member B is formed of metal with its parts integral.

At the rear end of the pole A is pivotally connected a hook, D, this connection being preferably formed by a swivel-piece, E, having an eye, e , engaging an opening, e' , in the end of the pole A, the hook D being provided with an eye, d , engaging the swivel-piece.

The operation and advantages of my invention will be readily understood by those skilled in the art to which it appertains. The load of logs, boards, or the like is assembled together and the binding chain passed around it, as shown in Fig. 4 of the drawings. My binding lever or clamp is then opened to the position shown in Fig. 4 and one end of the chain S is engaged by the pivotal hook-shaped member D while the other end of the chain is engaged by the hook-shaped end of the lever or main member A. The latter is then brought downwardly to an approximately horizontal position, by which action the chain is carried in the movement of the hook-shaped end of the lever A and brought taut, thus securely binding the load together. When the lever is brought to horizontal position, as shown in Fig. 5, the pivoted hook D at its rear end may be engaged in the binding chain, thus locking the binding lever or clamp securely in position. It will be noted that my invention is also adapted for convenient and effective use in handling timber, logs, &c.

I do not wish to be understood as limiting myself to the precise construction and arrangement herein shown and specified, as

manifest variations or modifications may be made without departing from the spirit and scope of my invention; for instance: any suitable form of securing device may be provided
5 at the rear end of the pole A in lieu of the pivoted hook herein shown. I therefore reserve the right to all such variations in the detail construction and form as properly fall within the scope of my invention and the
10 terms of the claim.

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

The herein described improved binding lever or clamp of the class described, consisting of the main pole or member A having the
15 downwardly and forwardly projecting hook-shaped front end a' ; the auxiliary member

B having the projecting hook-shaped front end b' and the main body portion b formed by the side pieces or bars b^3 b^3 outwardly- 20 curved or bulged at their central portions, as at b^4 , the ends of the side pieces b^3 of the open body portion b being directly pivoted to the main pole or lever A at the vertex of the angle formed by the end a' ; and the securing hook 25 D pivotally connected and swiveled to the rear end of the pole A; substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL CURTIS REED.

Witnesses:

C. H. BARRETT,
S. M. MARSHALL.