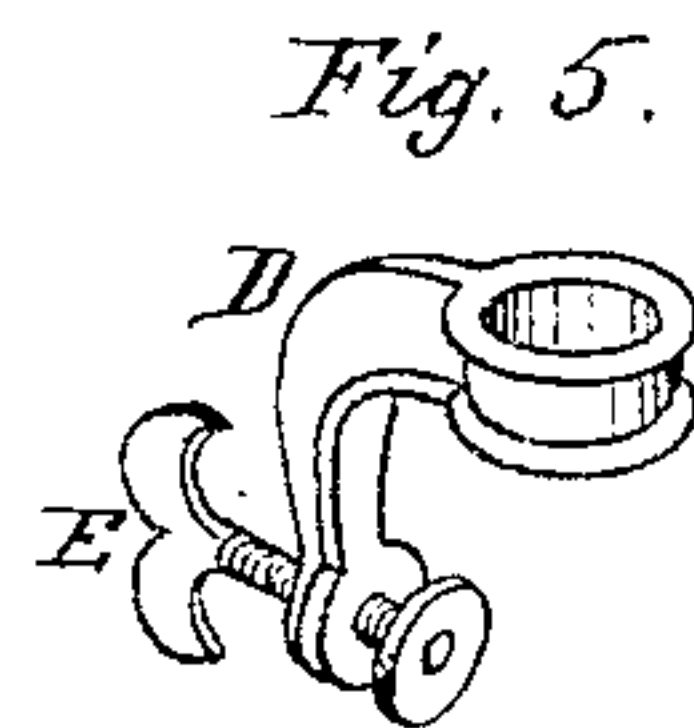
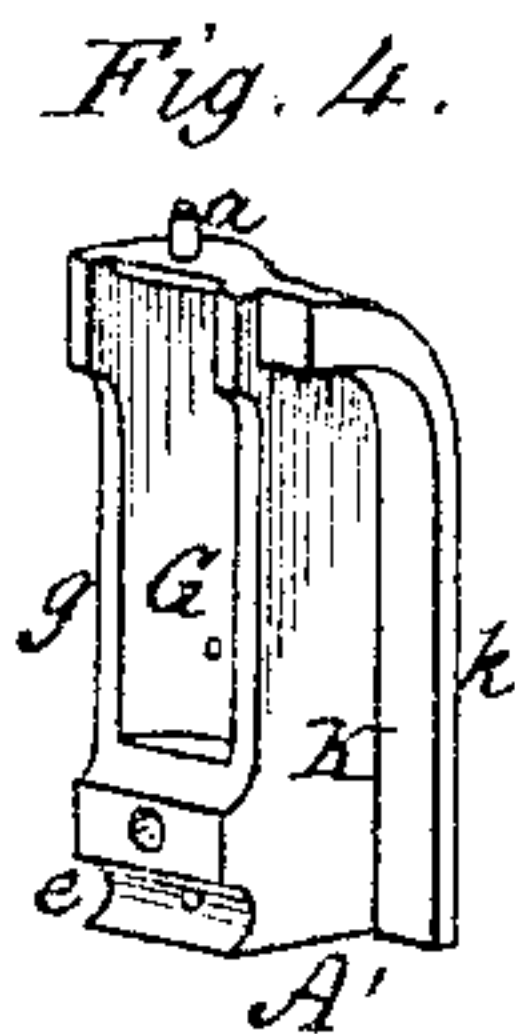
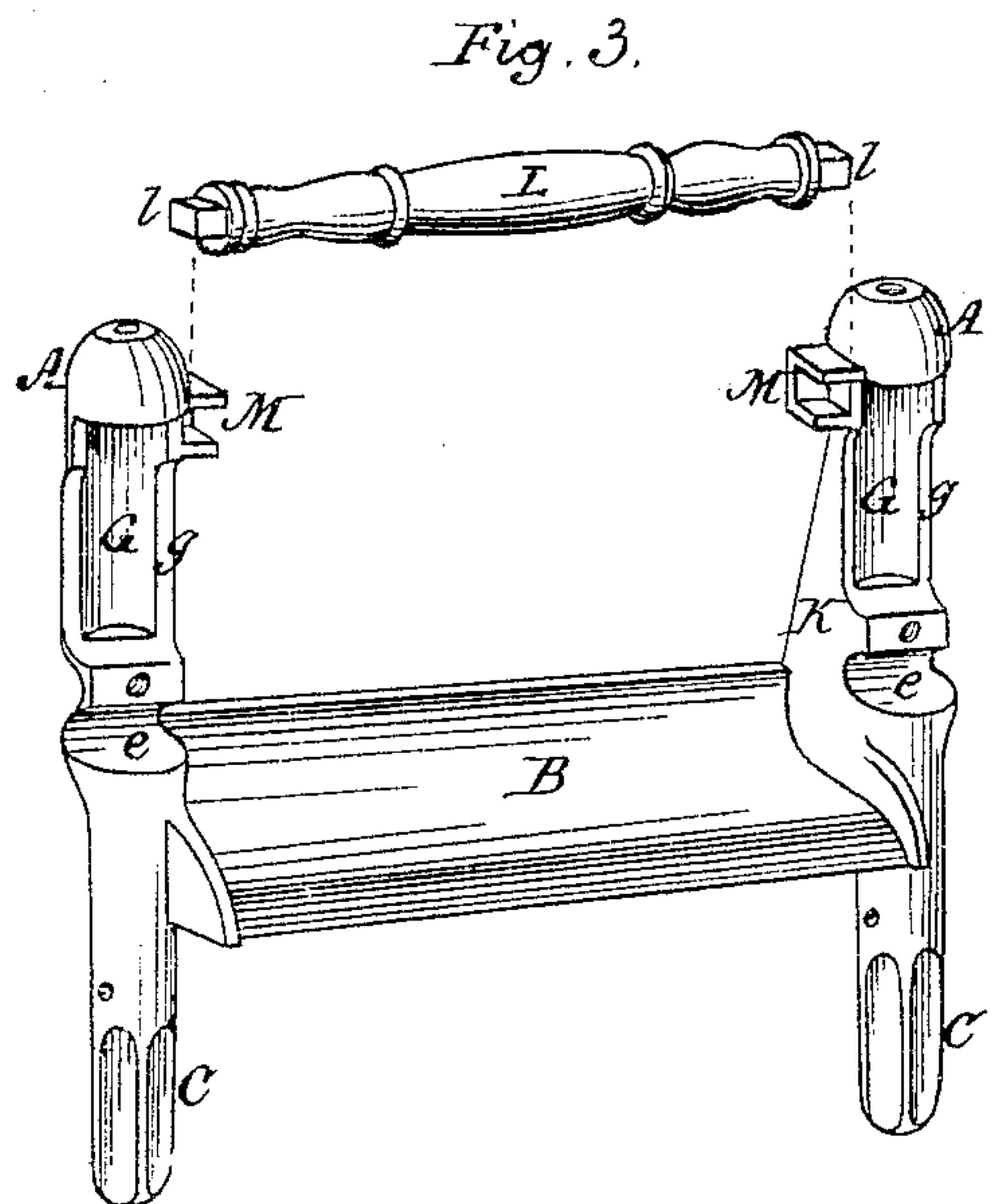
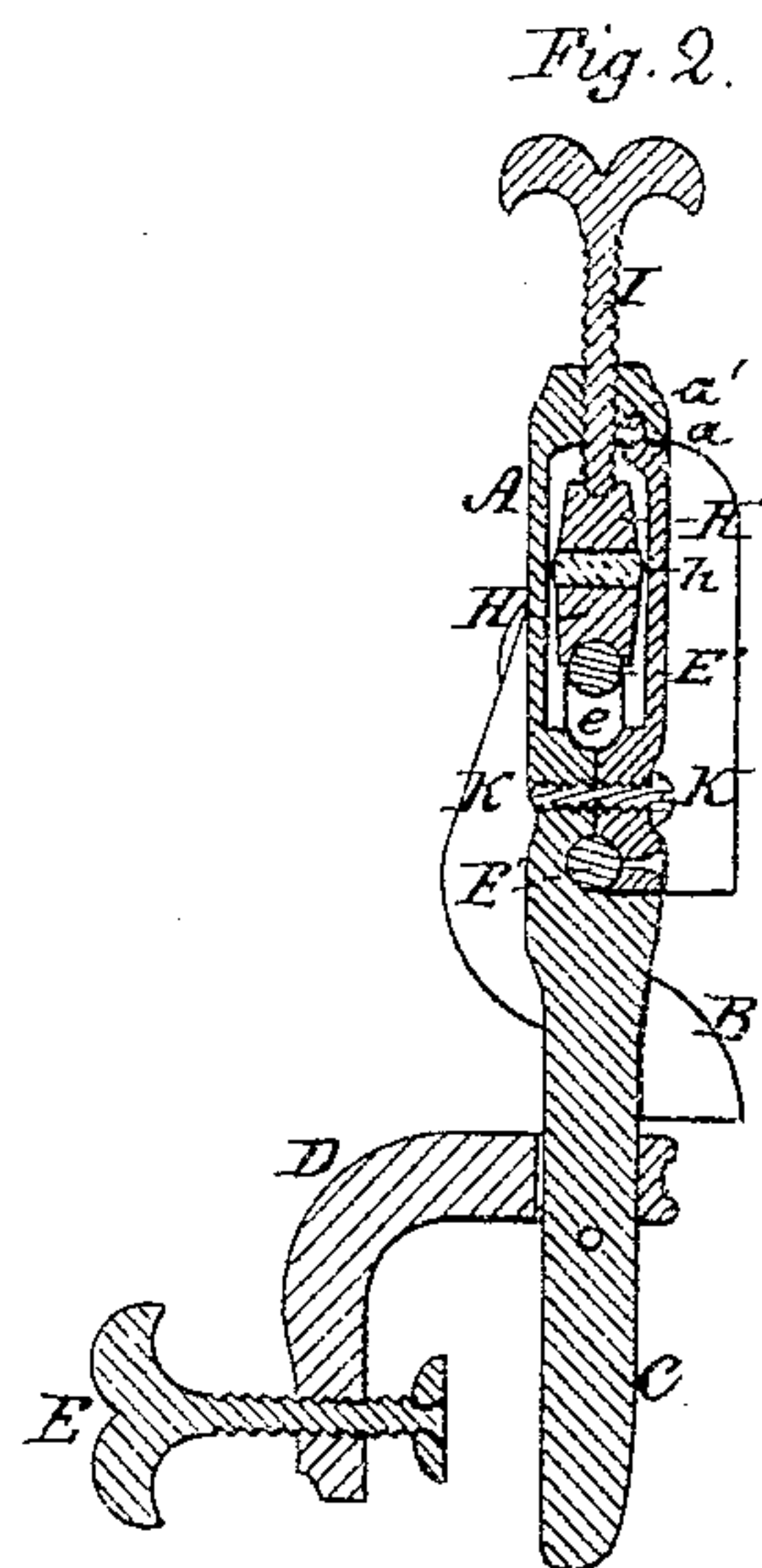
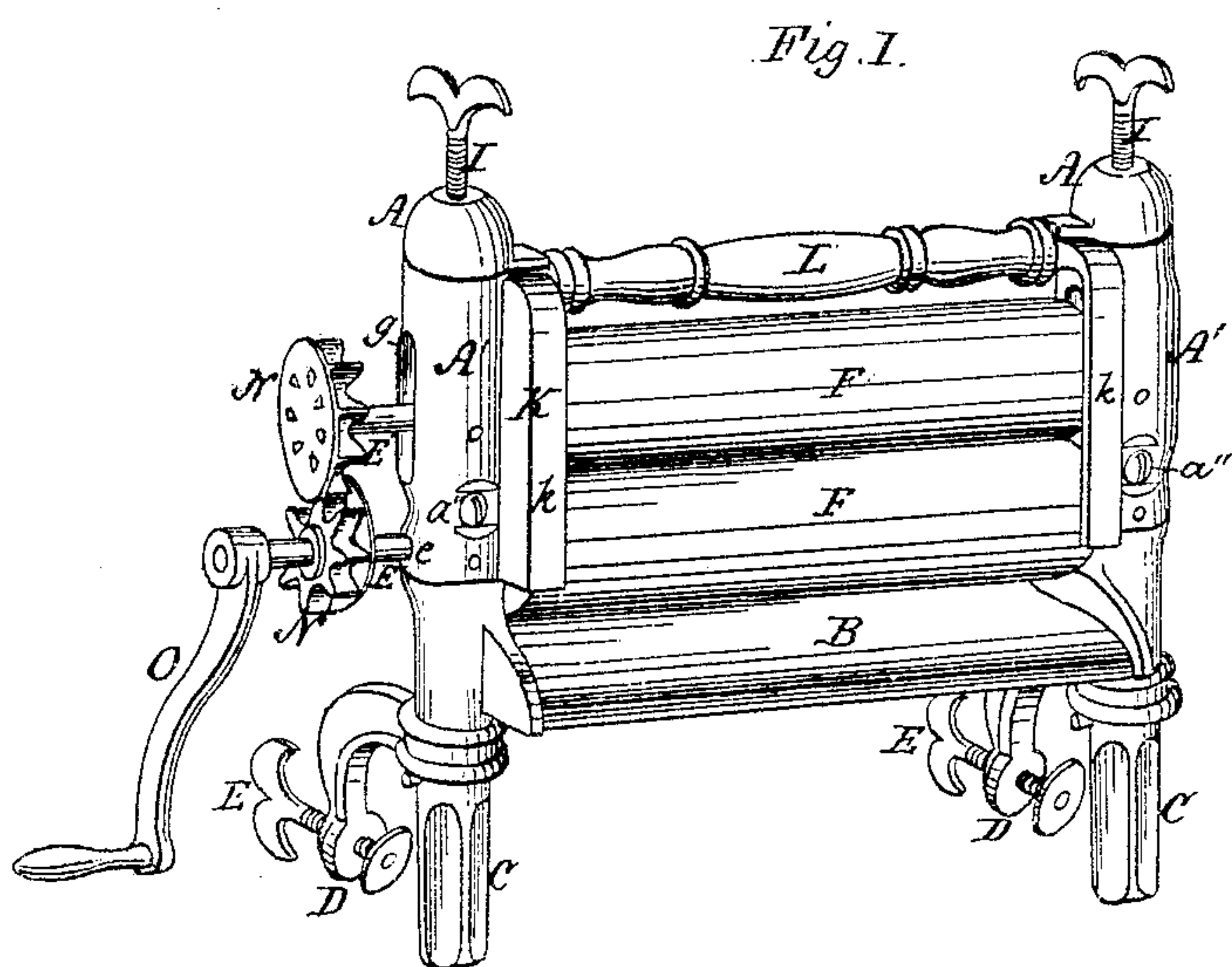


T. O. BOGERT.
Clothes-Wringers.

No. 134,633.

Patented Jan. 7, 1873.



Witnesses
Edmund Masson
John R. Young.

Inventor.
Thos. O. Bogert, by
Orindle & Co., his Attys

UNITED STATES PATENT OFFICE.

THOMAS O. BOGERT, OF CINCINNATI, OHIO, ASSIGNOR TO THE QUEEN CITY WRINGER COMPANY, OF SAME PLACE.

IMPROVEMENT IN CLOTHES-WRINGERS.

Specification forming part of Letters Patent No. 134,633, dated January 7, 1873.

To all whom it may concern:

Be it known that I, THOS. O. BOGERT, of Cincinnati, in the county of Hamilton and in the State of Ohio, have invented certain new and useful Improvements in Clothes-Wringers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a perspective view of my improved device; Fig. 2 is a vertical section of the same upon a line extending from front to rear through the center of one of the posts; Fig. 3 is a perspective view of the metal frame and wooden cross-bar detached from each other and from the other parts of the machine; and Figs. 4 and 5 are like views, respectively, of the journal-box cap and swinging clamp.

Letters of like name and kind refer to like parts in each of the figures.

The design of my invention is to increase the convenience, efficiency and durability of clothes-wringers; to which end it consists, principally, in the peculiar construction of the journal-box cap and in the means employed for combining the same with the main frame, substantially as and for the purpose hereinafter specified. It consists, further, in the peculiar construction and combination of the side pieces or posts, the dripping-pan, and the legs, which together form the frame of the machine, substantially as and for the purpose hereinafter shown. It consists, further, in the means employed for connecting the cross-bar to or with the side pieces or posts, substantially as and for the purpose hereinafter set forth. It consists, finally, in the device as a whole, when its several parts are constructed and combined substantially as and for the purpose hereinafter shown and described.

In the annexed drawing, A and A represent the side pieces or posts of the machine, which have, exteriorly, a cylindrical form, and are connected together at their lower ends by means of a dripping-pan, B. Below said pan B said posts are continued downward so as to form legs C, upon each of which is journaled a clamp, D, having the form shown, and provided with a set-screw, E, that passes inward through its end in the usual manner. Passing horizontally through each post A, at a suit-

able distance above the dripping-pan B, is an opening, *e*, which serves as bearings for the shaft-journals E of the lower roller F. From a point about upon a line with the upper edge of the roller F to near its upper end, each post A is constructed with a cylindrical cavity, G, into which, from opposite sides, is cut a vertical slot, *g*, that corresponds in width to the diameter of the journals E' of the upper roller F'. Above each shaft-journal E', and resting upon the same, is a half-box, H, which horizontally corresponds, substantially in size and shape, to the like features of the cavity G. Upon the upper side of said box H is placed a rubber spring, *h*, and between the same and the upper end of said cavity G is placed a cylindrical block of metal, H'. A set-screw, I, passing downward through a threaded opening formed in the upper end of the post, bears against the corresponding end of the block H', and through the same. The spring *h* and the half-box H communicate a downward pressure to the upper roller. Upon the inner face of each post is provided a plate, K, which extends from its upper end downward to the lower side of the lower roller, and laterally has a sufficient width to enable it to cover the ends of the same and the upper roller. At the inner edge each plate K is provided with a flange, *k*, which projects laterally inward over the rollers, and forms a guard to prevent the clothing from getting between the ends of said rollers and the boxes. In order that the rollers may be readily placed within and removed from their bearings, each post A is divided vertically upon a central line from the upper end of the cavity G to the lower side of the bearing *e* of the lower roller, while from said upper and lower points said line of division extends horizontally outward. The detached portion or cap A' is provided at its upper end with a stud or pin, *a*, which extends vertically upward into a corresponding opening, *a'*, formed within the solid portion of the post A, and holds said parts in relative positions, while the lower end of said cap is secured in place by means of a screw, *a''*, that passes horizontally through the same into said post immediately above the bearing *e*. As thus arranged, it will be seen that while the cap is firmly locked in place the removal of

one screw releases the same and enables the journals of the shafts and the half-boxes and springs to be uncovered. The cross-bar L is, preferably, constructed from wood, and has upon each end a square tenon, *l*, which fits into a correspondingly-shaped socket, M, that is formed upon the inner side and upper end of each post. Each socket is divided vertically, so that its front wall forms a part of the cap A', by which construction the removal of said cap uncovers said socket and permits the insertion within or removal from the same of the tenon *l* of the cross-bar. By means of the construction shown, I am enabled to cast the entire frame, with exception of the journal-box caps, in one piece, and thereby not only secure greater strength and durability, but also lessen the cost of its production. The addition of driving-gear N and a crank, O, to the roller-shafts completes the device, which operates in the usual manner.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

1. The journal-box cap A', constructed as shown, and provided with the stud *a'*, in combination with the post A provided with the opening *a* and with the screw *a''*, substantially as and for the purpose specified.

2. The side pieces or posts A, legs C, and dripping-pan B, when constructed of or from one piece of metal in the form shown, substantially as and for the purpose set forth.

3. The cross-bar L provided with the tenons *l*, and combined with the posts A by means of the divided sockets M, substantially as and for the purpose shown.

4. The device as a whole, when its several parts are constructed and combined to operate substantially as and for the purpose shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand this 23d day of December, 1872.

THOS. O. BOGERT.

Witnesses:

J. W. BREWSTER,
W. J. FITZGERALD.