

(No Model.)

M. A. WARREN.

ADJUSTABLE CLOTHES DRIER FRAME.

No. 286,878.

Patented Oct. 16, 1883.

FIG. 1.

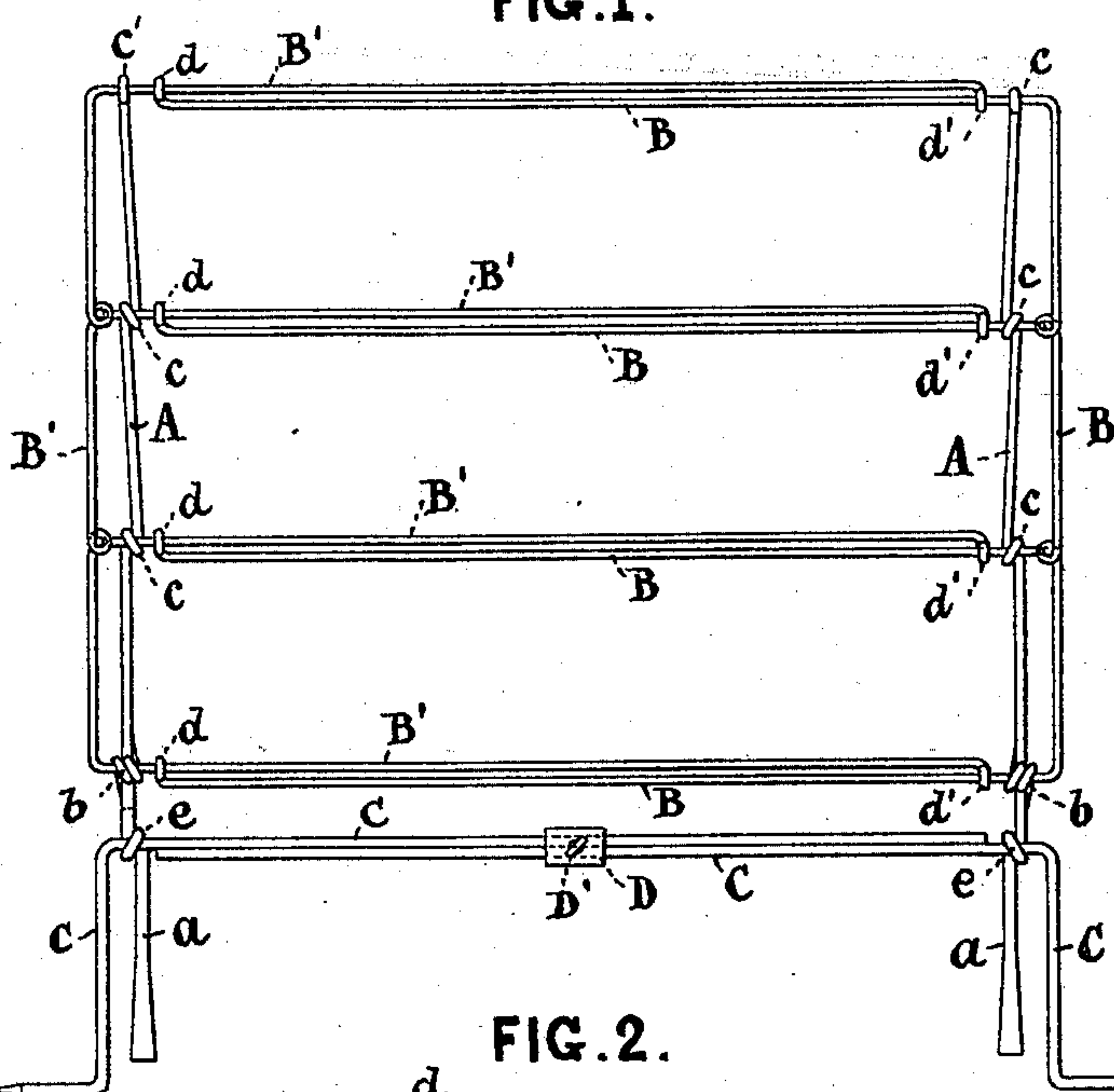


FIG. 2.

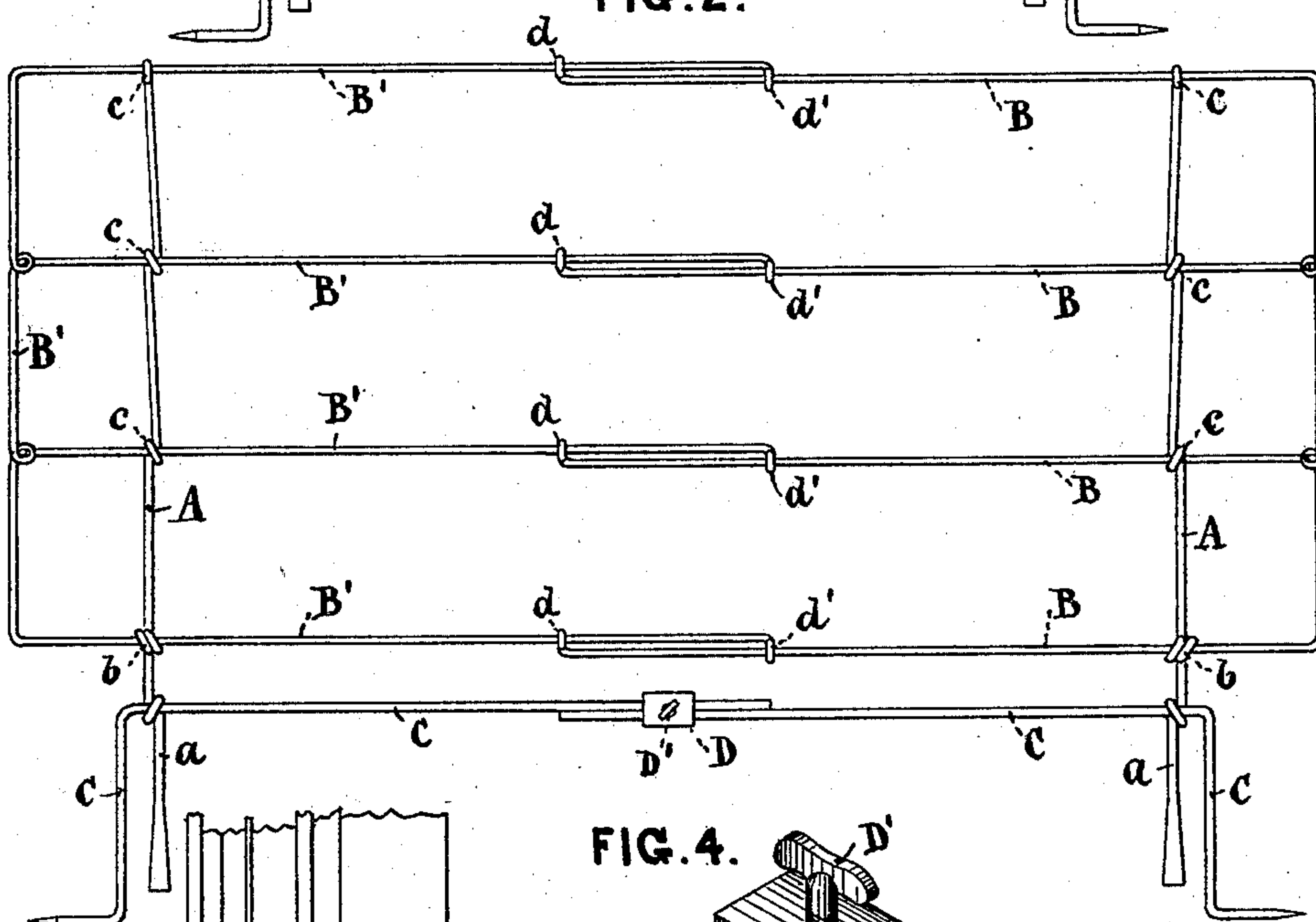


FIG. 4.

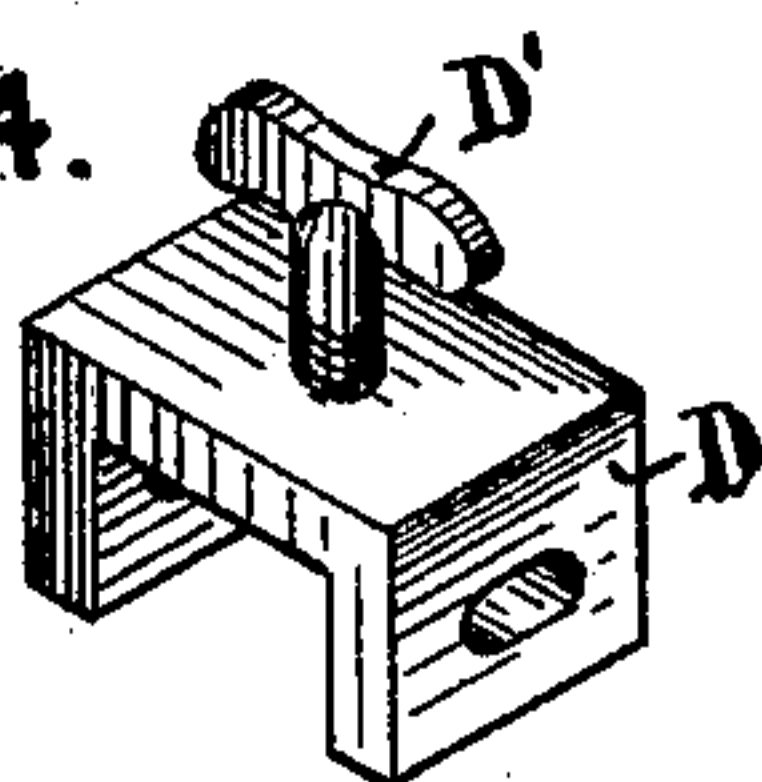
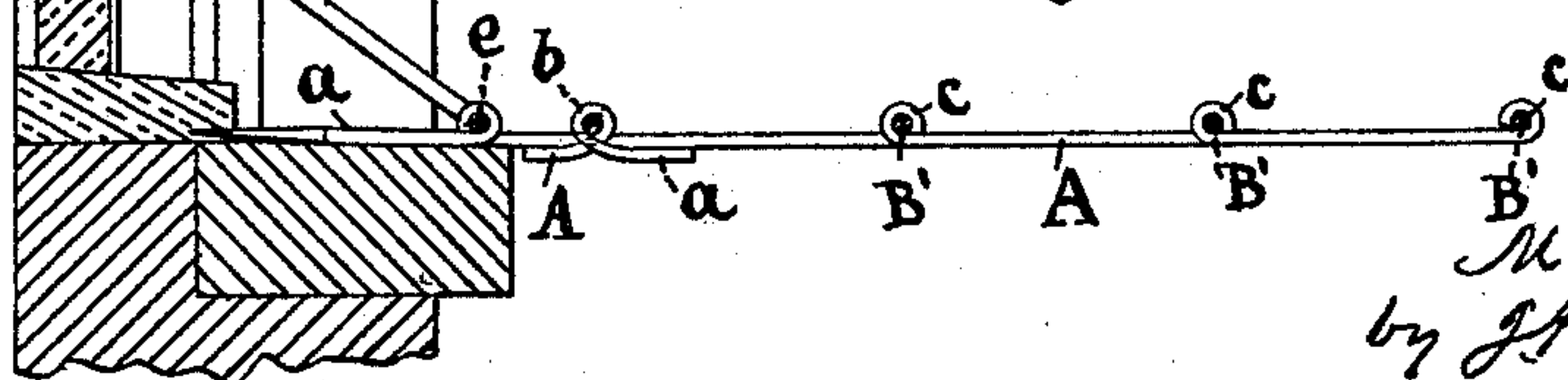


FIG. 3.



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UNITED STATES PATENT OFFICE.

MARSHALL A. WARREN, OF BOSTON, MASSACHUSETTS.

ADJUSTABLE CLOTHES-DRIER FRAME.

SPECIFICATION forming part of Letters Patent No. 286,878, dated October 16, 1883.

Application filed March 3, 1883. (No model.)

To all whom it may concern:

Be it known that I, MARSHALL A. WARREN, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Adjustable Window Clothes-Drier Frames; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The object of my invention is to provide a convenient device for attachment to windows, upon which clothes or other articles may be hung to be dried or aired, and which, when not in use, can be folded into a comparatively small space; and the invention consists of two wire frames attached to each other by means of loops, so that the frames may slide for the purpose of adjustment, according to the width of the window, or to a greater width than the window, the frames being supported by wires the ends of which are driven into the lower part of the window-frame, and also by adjustable stays, which are driven into the sides of the window-frame, the wires which support the frames being preferably hinged.

Referring to the accompanying drawings, Figure 1 is a view showing the device contracted. Fig. 2 is a view showing the device extended. Fig. 3 shows the device applied to a window. Fig. 4 is a perspective view of a clamping device.

The supporting-bars each consist of two rods, A a, which are hinged together at b b. These bars are formed with loops c c, through which are passed the cross-bars of the frames B B'. The inner cross-bars of the frames B B' pass through the loops which form the hinges b b, these loops being formed near the ends of the supporting-bars A a, and the ends are so bent that the ends of the bars A pass under the bars a and the ends of the bars a pass under the bars A, (see Fig. 3,) the ends of both bars thus forming a support or stop to prevent the frames B B' falling below a horizontal line with the window-sill, but allowing the frames to be raised into a vertical or inclined position for the purpose of hanging the clothes thereon.

The cross-bars of the frames B B' are held together by means of loops d d', which are

free to slide upon the bars which they respectively encircle, thus allowing the frame B B' to be drawn out to its full length, if desired.

The inner end of the bars a a are sharp, so that they may be easily inserted at the joint of the window frame and sill, and are also formed with loops e, through which the sliding stay-rods C are passed. These rods are of a crank shape at their outer ends, and pointed, so as to be easily inserted into the sides of the window-frame, and are made of sufficient length to be adjusted to windows of different widths, and their inner or central ends, passing through the clamp D, are there firmly secured together by means of the thumb-screw D', which presses upon the rods C, thus holding the frame firmly in place when in use.

To apply the device to a window, the frames B B' are drawn out to the desired width, and the ends of the bars a are then inserted into the lower part of the window-frame, near the sides of same, and resting upon the window-sill. The ends of the stay-rods C are then inserted into the sides of the window-frame at such an angle as to allow the supporting-rods to rest on the window-sill, and their inner ends are then secured by turning the nut D' in the clamp D down, so as to press firmly upon the said rods. The frames B B' will then be ready to receive the clothes or other articles.

When required to be closed together, the frames B B' are pushed in, the bars C C taken out and reversed, so that their pointed ends are toward the center, and the bars a a are then folded onto the bars A A. It will be seen that when thus closed up the whole device will occupy a space only about the size of a single frame.

A thimble or short piece of metal tube may be placed between the inner bars, B B', and the loops forming the hinges b b, for the purpose of holding the two loops together, and also allowing the inner bar of the frame to slide more readily.

What I claim as my invention is—

The sliding frames B B', in combination with the hinged supporting-bars A a, the stay-rods C C, and clamp D, substantially as shown and described.

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

MARSHALL A. WARREN.

Witnesses:

JOS. H. ADAMS,
E. PLANTA.