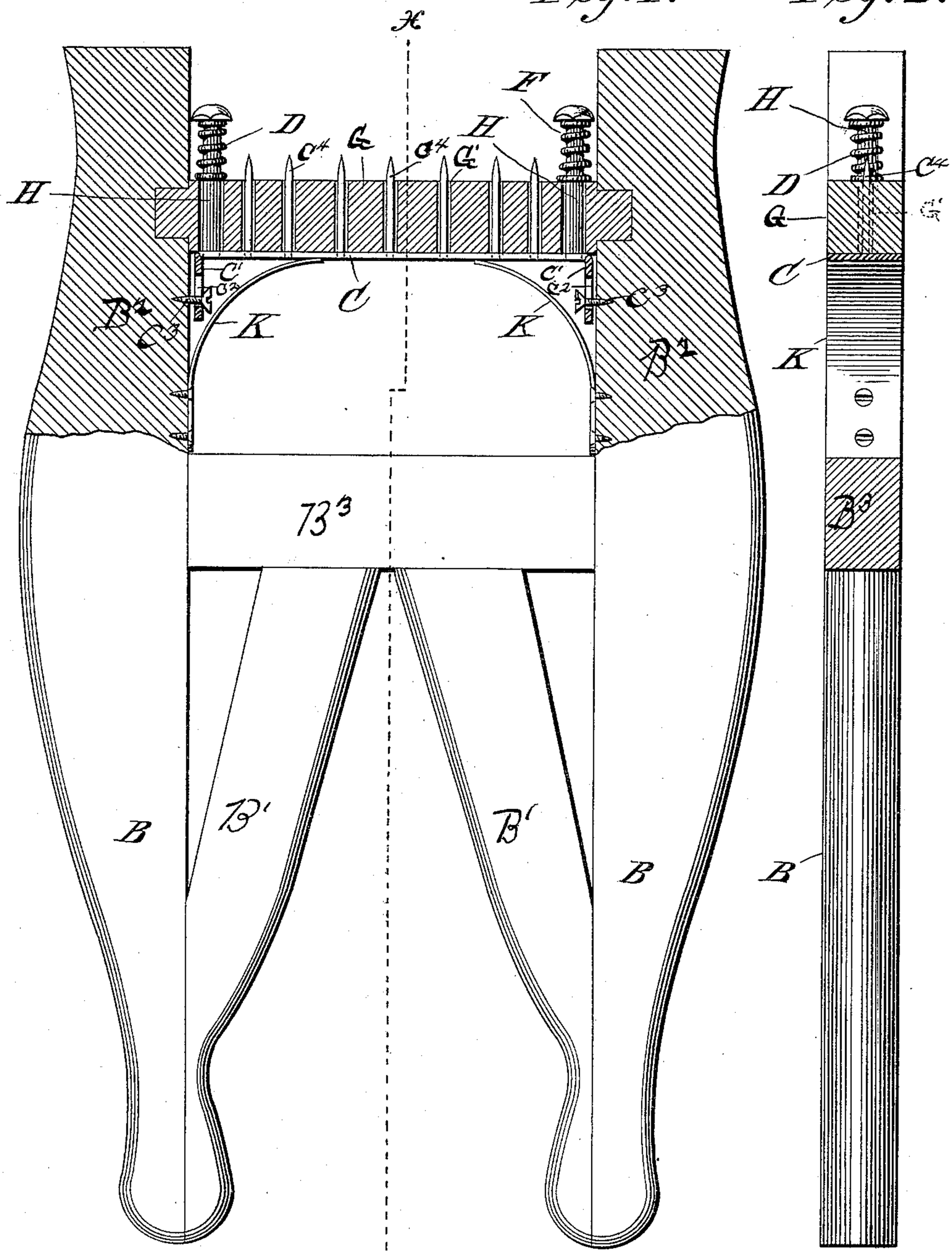
(Model.)

M. CLEMINS & C. A. TICE.

DRYING FRAME FOR KNITTED DRAWERS.

No. 409,630. Patented Aug. 20, 1889.

Fig. 1. *Fig. 2.*



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UNITED STATES PATENT OFFICE.

MIKE CLEMINS AND CHARLES A. TICE, OF HERKIMER, NEW YORK.

DRYING-FRAME FOR KNITTED DRAWERS.

SPECIFICATION forming part of Letters Patent No. 409,630, dated August 20, 1889.

Application filed December 22, 1888. Serial No. 294,431. (Model.)

To all whom it may concern:

Be it known that we, MIKE CLEMINS and CHARLES A. TICE, of the town of Herkimer, county of Herkimer, and State of New York, have invented a new and useful Improvement in Drying-Frames for Knitted Drawers, of which the following is a clear and exact description, reference being had to the accompanying drawings, making part of this specification.

The invention relates to drying-frames for knitted drawers.

It has for its object to provide a device for use in a knitting-factory and upon which the drawers may be readily placed for the purpose of drying, and from which they may be as readily detached when they have become dry, and will at the same time have their desired form.

With these objects in view the invention consists in the improved construction and combination of parts, as will be hereinafter fully set forth.

In the accompanying drawings, wherein like letters of reference denote corresponding parts, Figure 1 is a front elevation of the drying-frame; and Fig. 2 is a vertical sectional view of the same, taken through line *x x*, preceding figure.

The frame consists of the leg portions B and B′ and the upper or body portion B^2, upon which the drawers are to be placed for drying. After they have become dried they will of course conform to the shape of the frame, which is of the well-known or desired form.

B^3 designates a brace secured to the sides of the legs B and to the upper ends of the portions B′, and serves to strengthen and connect the parts above mentioned.

To the portions B^2 above the upper cross-brace B^3 is secured a cross-piece G, which is provided with a series of vertical apertures G′, the end ones of which may be of greater diameter than the other ones. Beneath this cross-piece is secured a plate C, preferably by having its ends bent at an angle to their body portions, as shown at C′, and each end is provided with a slot, as C^2, which engages a set-screw or pin C^3, secured to the frame. The plate C is further provided with pins C^4, which register with and work in the perforations G′ of the cross-piece G.

To force the upper side of the plate C against the bottom of the cross-piece G, we provide springs K, which are secured to the frame below the screws C^3, and have their upper curved ends bearing against the under side of said plate.

H designate posts which are inserted in the two end apertures of the series of apertures G and engage with their lower ends the upper side of the plate C. Therefore, when it is desired to depress the plate C, the posts are pressed down, and when they are relieved from the downward pressure the action of the springs K will return the plate to its normal position and also the posts. To further assist in retracting the posts, coil-springs D may be employed, and are shown in this instance as being engaged upon the posts between their heads and the cross-piece G.

The operation is as follows: The drawers to be dried are placed upon the frame and the upper ends hooked over the points of the pins C^4. After the drawers have become dried, to release them it will only be necessary to depress the posts F, which will throw the points of the pins below the upper side of the cross-piece G and out of engagement with the drawers, which may be then readily removed, dried, and properly formed.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

The combination, with the drying-frame of the usual construction, provided at its upper portion with a perforated cross-piece, of a sliding plate arranged beneath said cross-piece and provided with pins which project through the perforations of said cross-piece, means for depressing said sliding plate, and means for returning it to its normal position, substantially as set forth.

Dated at Herkimer, county of Herkimer, State of New York, this 3d day of October, 1888.

his
MIKE × CLEMINS.
mark

CHARLES A. TICE.

Witnesses:
ERNEST KETCHUM,
JOHN G. WITZEL.