(No Model.) 2 Sheets—Sheet 1.

G. J. CLINE.

CLOTHES WRINGER.

No. 263,860. Patented Sept. 5, 1882.

Fig. 1.

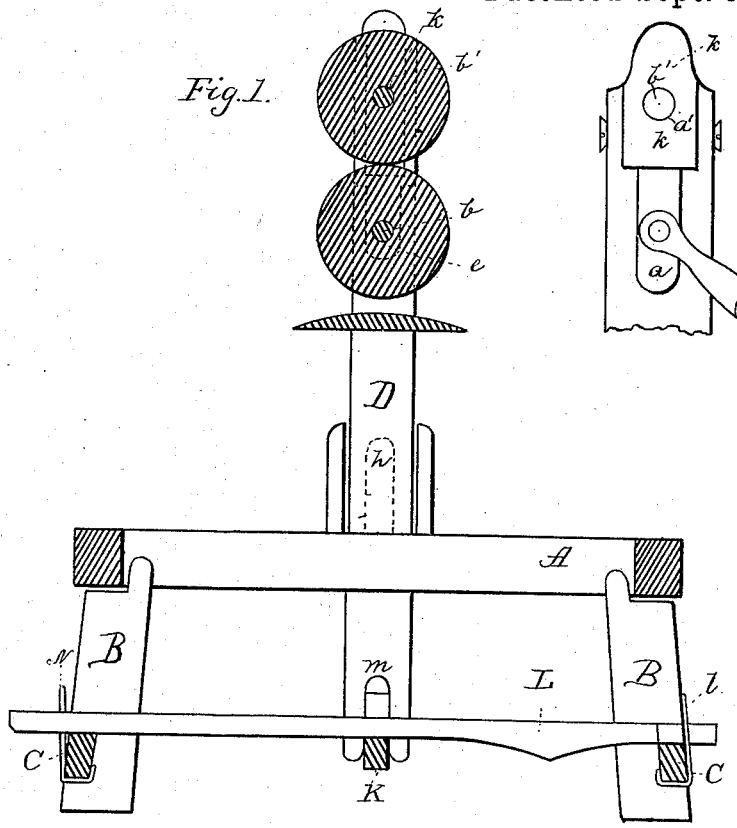


Fig. 2.

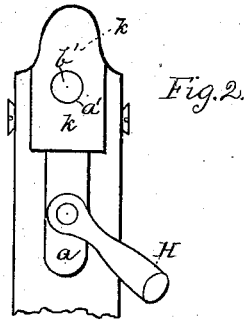
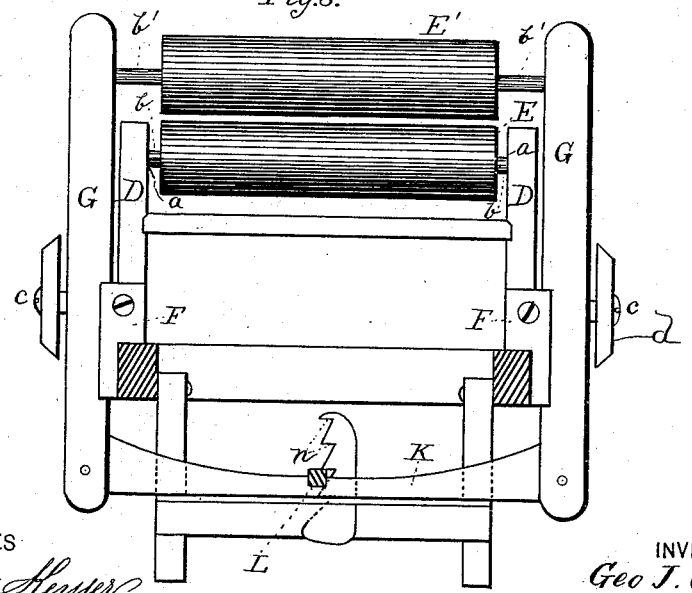


Fig. 3.



WITNESSES

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(No Model.) 2 Sheets—Sheet 2.

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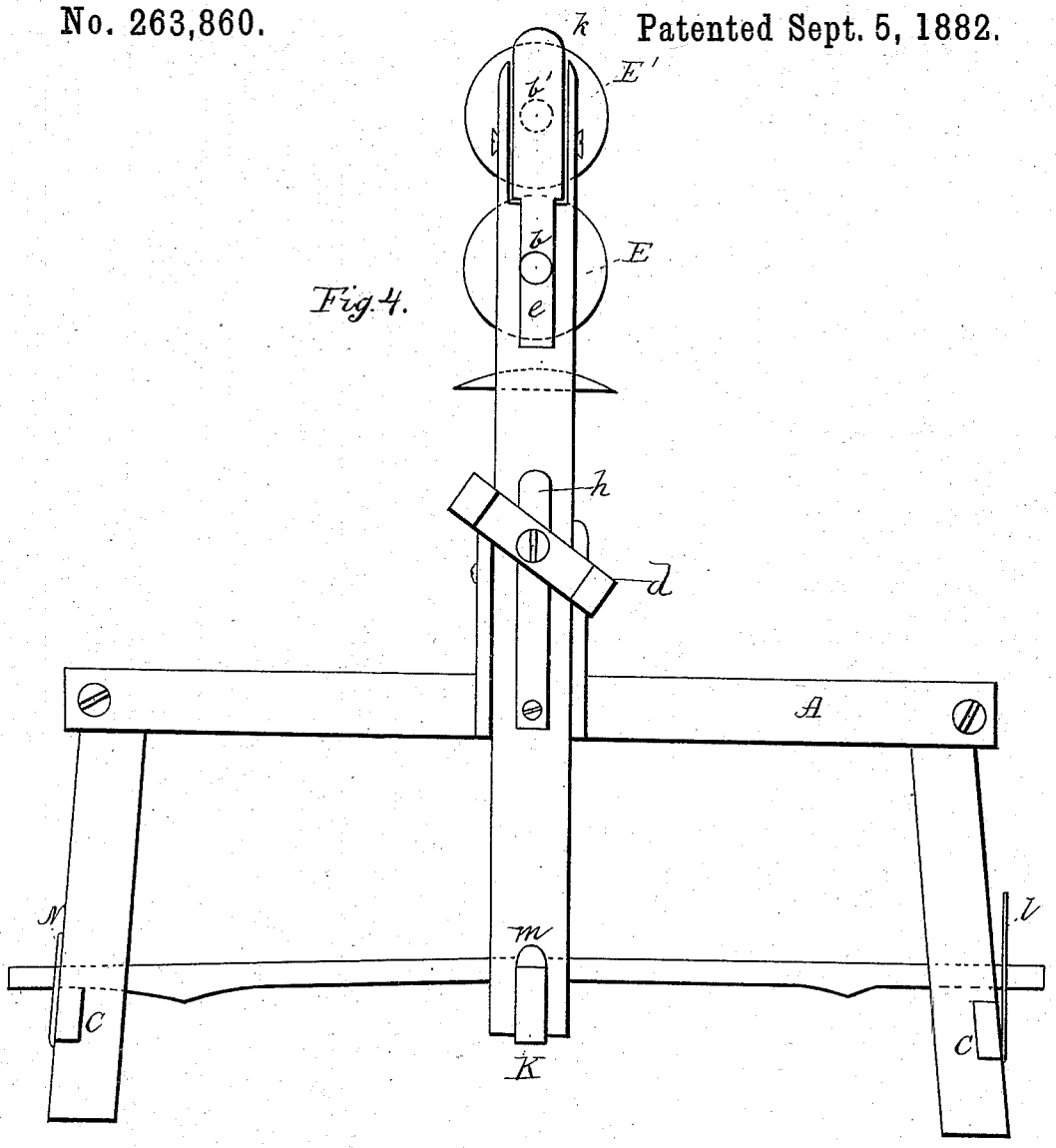
Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE J. CLINE, OF GOSHEN, INDIANA.

CLOTHES-WRINGER.

SPECIFICATION forming part of Letters Patent No. 263,860, dated September 5, 1882.

Application filed May 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE J. CLINE, a citizen of the United States, and a resident of Goshen, in the county of Elkhart and State of Indiana, have invented a new and valuable Improvement in Clothes-Wringers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 is a vertical sectional view. Fig. 2 is a detail view. Fig. 3 is a cross-sectional view, and Fig. 4 is a side elevation.

This invention has relation to clothes-wringers; and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claim.

In the accompanying drawings, the letter A designates the horizontal side bars of the supporting-frame, and B the end supports thereof, having the cross-bars C.

D D indicate the stationary uprights or arms, which are secured to the side bars, A, at about their middle portions, and are provided at their upper ends with the bearing-apertures *a*, for the journals *b* of the lower roller, E. Side flanges or guides, F, are also provided at each side of each upright D, to embrace the reciprocating upright side bars, G, and assist in keeping the same in proper position.

The side bars, G G, are slotted at *h* for the passage of a guide screw or pin, *c*, which is provided with a broad bearing, *d*, and serves to hold the side bar, G, in proper relation to the upright D.

An upper slot, *e*, in each side bar, G, permits the passage of the end of the journal *b* of the lower roller, as indicated in the drawings. To one of said journals *b* the operating-handle H is connected.

The upper end of each side bar, G, is provided with a bearing-box, *k*, preferably pivoted and formed with an aperture, *a'*, for the journal *b'* of the upper roller, E'.

To the lower end of the side bars, G, are pivoted the ends of the transverse connecting-bar K.

Engaging a bearing, *l*, secured to the cross-bar C at one end of the frame or support, is arranged one end of a long spring-bar or spring-pole, L, which extends by its middle portion over the upper edge or top of the connecting-bar K, on which it bears, as indicated at *m*. The other end of the spring-pole extends over the opposite cross-bar C at the other end of the frame and engages a catch, N, thereon, having a series of engaging notches or bearings, *n*, arranged over each other in vertical succession, and adapted to increase or lessen the tension of the spring-bar according to the notch or bearing with which its end is connected.

By means of the adjustable spring-pole, the transverse bearing-connection K, and the reciprocating side bars, G G, the tension on the upper roller can be easily and conveniently adjusted to suit the work.

The transverse bar K being pivoted, as well as the bearing blocks or boxes *k*, provision is made for the passage of goods of unequal thickness, the upper roller having an easy rocking rising and falling movement to suit the exigencies of such work.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

In a wringing-machine, the combination, with the stationary upright supports D, of the lower roller, E, the longitudinal spring-pole L, its end bearing, *l*, and adjustable end catch, N, of the reciprocating side bars, G, carrying at their upper ends the pivoted bearings *k* of the upper roller, E', and the transverse bearing-bar K, pivoted to the lower ends of said side bars and connecting the same, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE J. CLINE.

Witnesses:

MYRON E. MEADER,

JO. H. DEFREES, Jr.