

(No Model.)

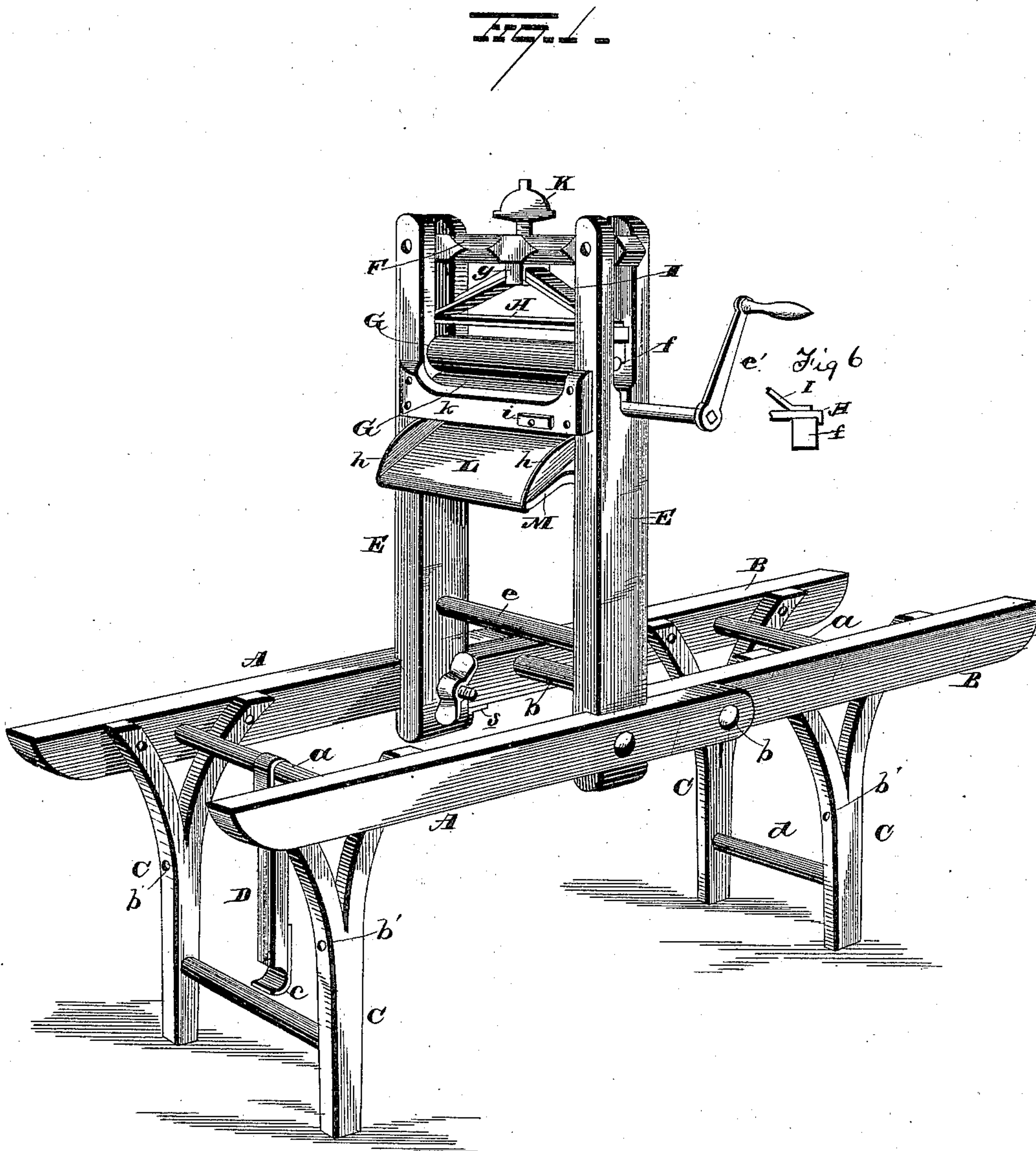
2 Sheets—Sheet 1.

H. BAUMGARTEL.

CLOTHES WRINGER.

No. 309,284.

Patented Dec. 16, 1884.



WITNESSES

C. J. Nottingham
George Cook.

INVENTOR

H. Baumgartel.
R. H. Symons
Attorney

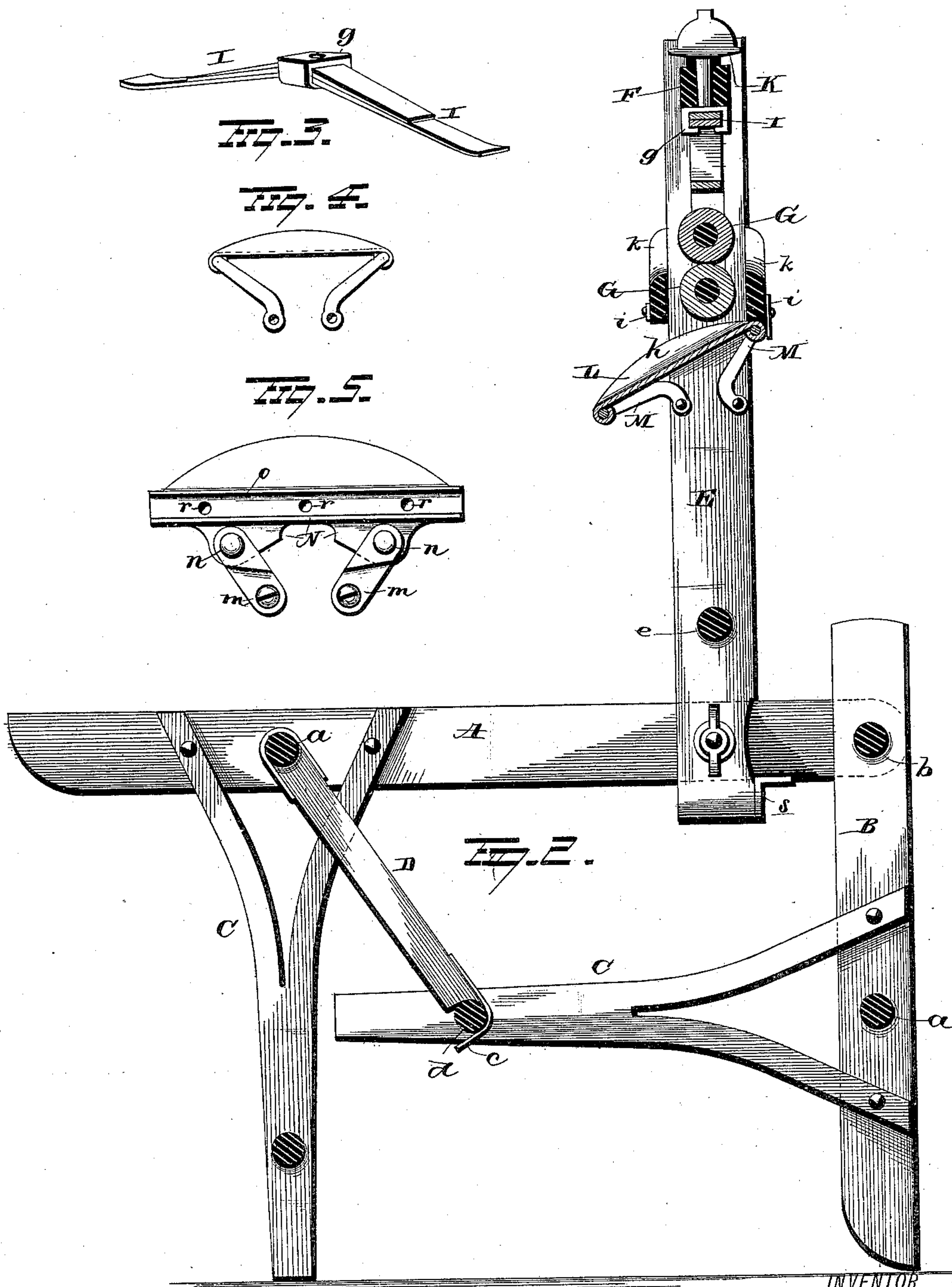
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UNITED STATES PATENT OFFICE.

HENRY BAUMGARTEL, OF STURGIS, MICHIGAN.

CLOTHES-WRINGER.

SPECIFICATION forming part of Letters Patent No. 309,284, dated December 16, 1884.

Application filed July 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY BAUMGARTEL, of Sturgis, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Clothes-Wringers; and I do hereby 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.

My invention relates to an improvement in a combined wash and bench wringer, the object of the same being to provide an improved device of this character, the bench of which shall be adapted to be easily and readily disjointed and folded within a small compass, and which shall be so constructed that when desired it may be folded on one side, leaving a bench on one side only of the wringer. Another object is to provide a simple and efficient spring for the wringer-rolls, and also to provide a simple device which shall be strong and durable, and at the same time one that can be produced at a comparatively small cost; and with these ends in view my invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and set forth in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of my improvement. Fig. 2 is a sectional view of the frame in its folded adjustment. Fig. 3 is a perspective view of the spring. Fig. 4 is a detached view of the water-pan and its supports. Fig. 5 is a modification thereof; and Fig. 6 is a detached view in elevation of one end of the spring and bar and one of the bearing-blocks.

A A represent two side rails, to which are pivotally secured the extension-rails B B, the said rails being connected and held in proper relative position by the cross-bars *a*, the ends of the cross-bar *b* at the same time affording a bearing for the extension-rails B, by which they are connected to the rails A. These rails are supported by the legs or standards C, preferably of the shape and construction shown, a section being cut out of the middle of the upper portion and the forks then bent into proper position, the rivet *b'*, driven through the standard, preventing the same from splitting. The

extension-rails B from their point of connection to the rails A are preferably of the same length as the standards C. It will now be readily seen that by this construction and arrangement of parts the extension-rails B may be turned down at right angles with the rails A, the standards C turning parallel with the side rails, the same being held in position by the rod D, pivotally secured to the cross-bar *a* near the end of the rails A, and provided on the opposite end with a hook or catch, *c*, adapted to engage with the cross-bar *d* of the standard secured to the said extension-rails. By thus folding the bench the same is changed from a double bench into a single one, as shown in Fig. 2 of the drawings.

E E represent the wringer-standards, removably secured to the rails A near the inner ends, a portion of the said standards being cut away, in which fit the side rails, the object being to more securely hold the standards E in position. The standards E are provided near their lower ends with the stops *s*, against which strike the inner ends of the extension-rails B, and hold them in a straight line with the rails A when the bench is in its open adjustment. The said standards E are braced and strengthened by the brace *e* and the cross-bar F, the latter being secured to the extreme upper ends of said standards.

G G represent the wringer-rolls, secured in the slots in the upper portion of the standards E in the ordinary manner, said rolls being made of any suitable material, motion being imparted to them through the handle *e'* of the lower roll. On the ends of the shaft of the upper roll rest the vertically-movable bearings *f*, provided on the under side with a groove in which fits the shaft of the said upper roll, the upper face of said bearing being flat, on which is adapted to rest the bar H, the ends of the latter being turned down to keep the bearings *f* in place.

On the bar H and above the bearings *f* are adapted to bear the ends of the spring I, the latter being in the form of a half-diamond, and consisting of two leaves secured together by the clasp *g*, which latter is adapted to embrace the leaves composing the spring and hold them in position.

Through the middle portion of the cross-bar F passes the thumb-screw K, which is adapted to bear on the upper portion of the clasp *g* and regulate the tension of the spring upon the rollers. Beneath the rollers is pivotally secured the water-pan L, the two ends of which are provided with the upturned edges *h* and the sides with bent edges, through which latter loosely pass the arms M, preferably of the shape shown, and pivoted to the standards E. By forming these arms of the shape shown the pan is adapted to be tilted in either direction in relation to the rolls. Catches *i*, secured to the bars *k*, are adapted to engage with the said pan and hold the same in the desired position.

Fig. 5 shows a modification of the arms M, this device being specially adapted for use when the said pan is constructed of wood. *m m* represent arms, each pivotally secured at one end to the wringer-standards E, the opposite end being provided with a perforation in which is adapted to loosely fit the lug or projection *n*, formed on the side plate, N, the latter being also provided with the two guides *o*, between which is adapted to fit the wooden pan, said pan being secured thereto by screws passing through the holes *r* in the side plate, N.

It will be observed that my invention is exceedingly simple in construction, the bench being capable of being readily and easily turned into a single bench, thereby occupying much less room, and is also capable of being quickly taken apart, all that is necessary being to remove the standards E from the rails A and springing the latter apart, thereby releasing the extension-rails B, when the machine is ready to be packed for transportation.

As many changes might be made in the construction and relative arrangement of the different parts according to the dictates of circumstances, I would have it understood that I do not limit myself to the exact construction shown and described, but consider myself at liberty to make such changes and alterations as may fairly be considered to fall within the spirit and scope of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the wringer-standards, of a bench and its supports, said bench consisting of side rails and extension-rails pivotally secured thereto, said extension-rails being proportioned and arranged substantially as described, whereby they may be turned down to form supports for the side rails.

2. The combination, with the wringer-standards, of side rails provided with legs or standards and connected by a cross-bar, extension-rails also provided with legs or standards and connected by a cross-bar, and a cross-bar pivotally securing the extension-rails to the side rails, whereby the said extension-rails can be turned at right angles to the side rails for the purpose of forming an end support therefor.

3. The combination, with the wringer-standards, of a bench consisting of side rails connected by cross-bars and provided with legs or standards, and extension-rails also connected by cross-bars and provided with legs or standards, the ends of one of said cross-bars connecting the extension-rails being inserted in the said side rails, whereby the extension-rails may be used for legs or supports for the side rails, and stops *s*, whereby the extension-rails are retained in a straight line with the side rails when in open adjustment.

4. The combination, with the wringer-rolls and suitable bearing-blocks, of the bar H, provided with flanged ends, the spring I, clasp *g*, cross-bar F, and screw K, all of the above parts combined and adapted to operate as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HENRY BAUMGARTEL.

Witnesses:

CHAS. B. GURNEY,
M. D. KIRK.