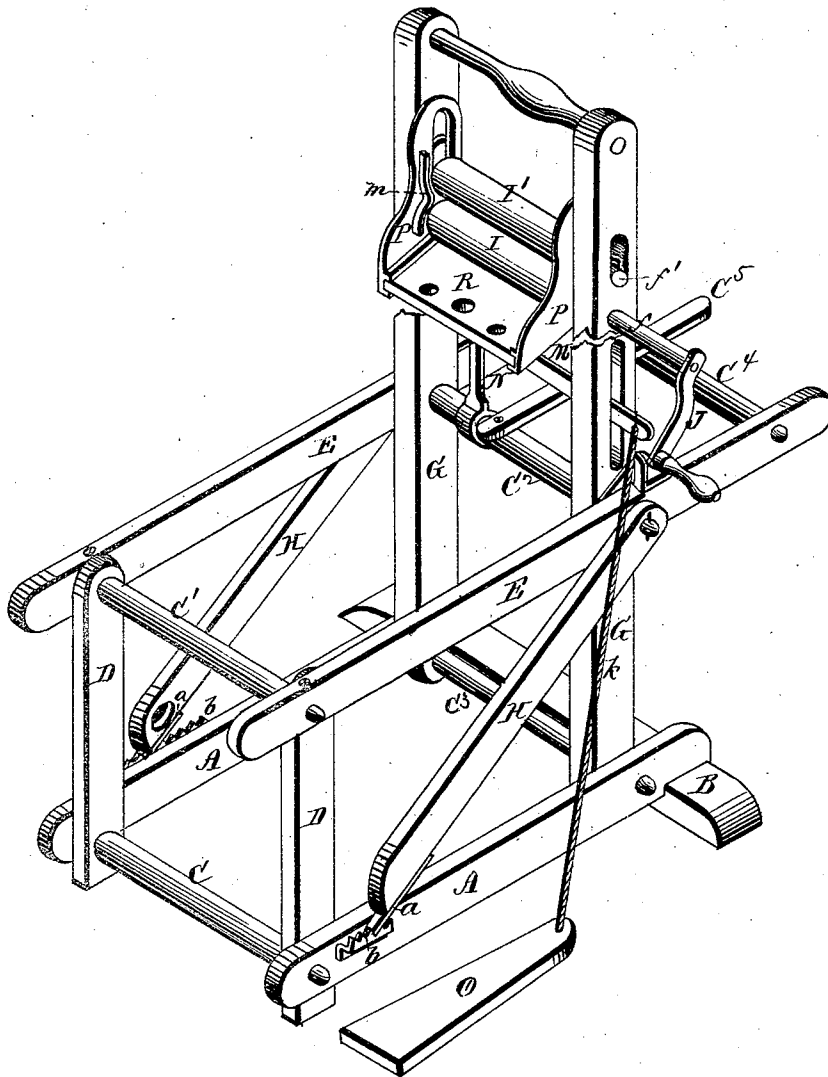


G. S. WALKER.
Clothes-Wringers.

No. 153,134.

Patented July 14, 1874.

Fig 1



WITNESSES
J. L. Ourand
J. H. Schott.

By

G. S. Walker.

INVENTOR

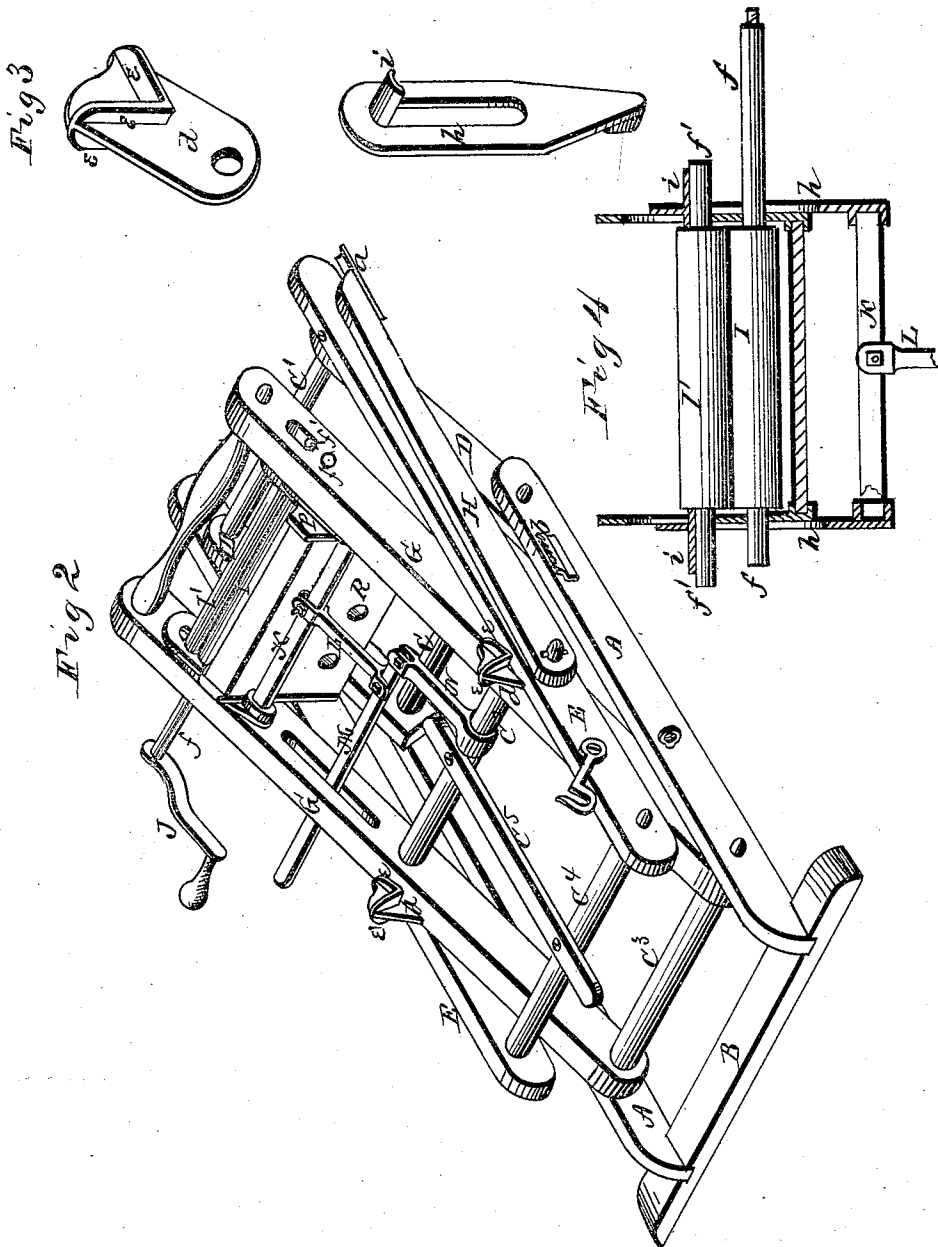
Alexander Watson

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Geo. S. Walker. INVENTOR

Alexander Watson

Attorney

UNITED STATES PATENT OFFICE.

GEORGE S. WALKER, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN CLOTHES-WRINGERS.

Specification forming part of Letters Patent No. **153,134**, dated July 14, 1874; application filed June 10, 1874.

To all whom it may concern:

Be it known that I, GEORGE S. WALKER, of Erie, in the county of Erie and in the State of Pennsylvania, 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 drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a clothes-wringer and its frame-work, which can be folded up in small compass for shipment, and when not in use, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my clothes-wringer when put up ready for use. Fig. 2 is a similar view, showing the same partially folded. Figs. 3 and 4 are detached views of certain parts thereof.

A A represent two parallel bars, attached at one end to a sill, D, and connected at the other end by a round bar, C, tenoned at both ends. The tenons of this round bar pass first through uprights D D, and then through and are secured in the ends of the bars A A. Through the upper ends of the uprights D D are passed the tenons of another rounded bar, C¹, which tenons also pass through and are secured in the ends of two parallel bars, E E. The bars E E are, in like manner, by a tenoned bar, C², connected to uprights G G; and the lower ends of these uprights are, by a tenoned bar, C³, connected to the bottom bars A A. The tenons of the bars C C¹ C² C³ are secured in the horizontal bars through which they pass, while the uprights, placed on the inner sides of said horizontal bars, are allowed to turn on said tenons. Upon each of the tenons of the bar C², outside of the horizontal bars E, is placed a brace, H, on the lower end of which is attached a metal plate or bar, a, to engage in a rack-bar or rack-plate, b, attached to the bottom bar A, so as to brace and hold the frame-work firmly in position. Back of

the uprights G the ends of the horizontal bars E are connected by a round, C⁴, and a bar or slat, C⁵, is placed upon and attached to the rounds or bars C² and C⁴. This part of the frame-work forms a support for the clothes-basket to rest on, while the part of the frame in front of the uprights G G forms the bench for the wash-tub. On the tenons of the bar C², between the bars E and uprights G, are placed metal plates d, formed with projecting flanges e e at right angles, on both sides, to form stops for the back of the uprights G and the tops of the bars E. The strain of the braces H is against these stops, and therefore the uprights G will be held in a perpendicular position and the frame be held perfectly firm and solid. The uprights G extend upward a suitable height above the bars E E; and through these uprights pass the journals f f of the lower wringer-roller I, said journals having their bearings in the uprights, and one of them provided with a crank, J, for turning the same. I' represents the upper roller, the journals f' of which pass through vertical slots in the uprights. On top of each journal f' is placed a half-box, i, which projects from a slotted plate, h. This plate is placed on the inner side of the upright G, the journals of the two rollers passing through the slot therein. In the lower ends of the two plates h h are formed boxes for the reception of the ends of a cross-bar, K. This cross-bar is, by a pivoted bar, L, connected with a lever, M. The inner end of this lever is pivoted to a standard, N, on the cross-bar C², while its outer end passes through a vertical slot in one of the uprights G, and is, by a cord, k, connected with a loose treadle, O.

By the operator putting the foot on the treadle any desired pressure of the upper roller I' upon the clothes may be obtained, and such pressure can easily be regulated according to the thickness of the article passing through between the rollers.

On each journal f, between the end of the roller I and the plate h, is hung a plate, P, the upper part of which is slotted vertically for the passage of the journal f' of the upper roller I'. Along the lower edges of the plates P, on the inner sides, are inward-projecting flanges to form grooves for the insertion of the perforated board R, over which the water from the

clothes passes from the wringer-rollers to the tub placed beneath on the bars E E. On the inner sides of the plates P P are curved flanges *m*, which are in front of the ends of the rollers to prevent the clothing from getting in between the rollers and the plates.

In this clothes-wringer there is an entire absence of all springs or screws to regulate the pressure on the clothes, such pressure being regulated exclusively by the foot of the operator upon the loose treadle O.

By simply lifting the braces H from the rack-bars *b* and placing them upon the ends of the tenons of the bar C¹ the whole wringer-frame can be folded into comparatively small compass for shipment, and for putting out of the way when not in use.

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

1. The combination, in a folding clothes-wringer frame, of the parallel bars A A and

E E, uprights D D and G G, tenoned bars C C¹ C² C³, braces H H, provided with metal plates *a a*, and the rack-bars *b b*, all constructed substantially as and for the purposes herein set forth.

2. The combination, with the wringer-rollers I I', of the slotted and flanged plates P P, provided with the guard-flanges *m m*, and the perforated board R, all substantially as and for the purposes herein set forth.

3. The plates *d*, provided on both sides with right-angular flanges *e*, in combination with the uprights G G and bars E E, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of June, 1874.

G. S. WALKER.

Witnesses:

E. C. WEAVER,
A. L. PITNEY.