(No Model.)

E. D. MATTHEWS.

COMBINED WASHING MACHINE AND STAND.

No. 494,706. Patented Apr. 4, 1893.

Fig. 1.

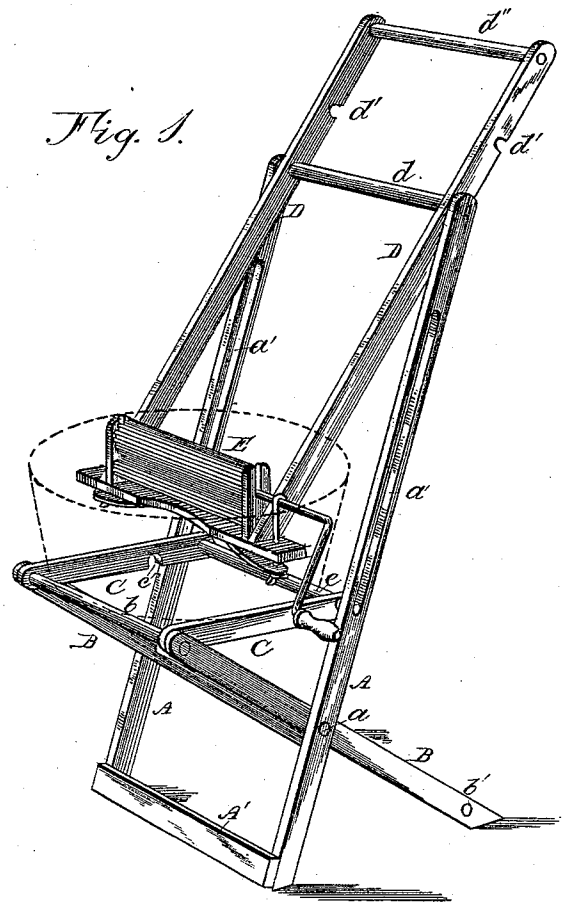
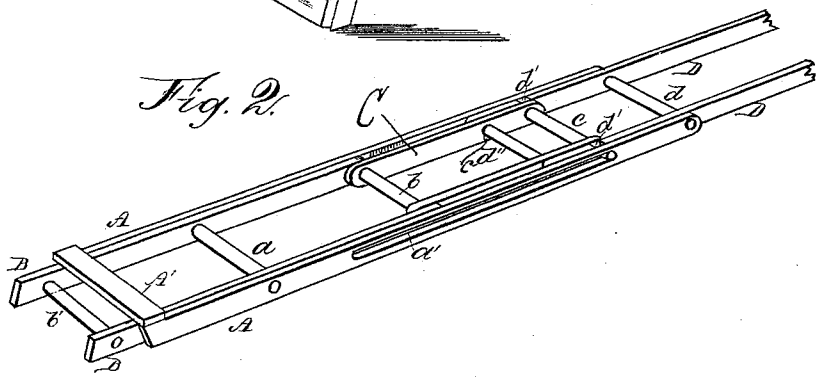


Fig. 2.



Witnesses
L. M. St. John.
Peter Lunde

Inventor
Elem D. Matthews
By J. M. St. John.
Atty.

UNITED STATES PATENT OFFICE.

ELEM D. MATTHEWS, OF CEDAR RAPIDS, IOWA, ASSIGNOR OF ONE-HALF TO F. M. SINCLAIR, OF BLOOMFIELD, INDIANA.

COMBINED WASHING-MACHINE AND STAND.

SPECIFICATION forming part of Letters Patent No. 494,706, dated April 4, 1893.

Application filed April 1, 1892. Serial No. 427,347. (No model.)

To all whom it may concern:

Be it known that I, ELEM D. MATTHEWS, a citizen of the United States, residing at Cedar Rapids, in the county of Lime and State of Iowa, have invented certain new and useful Improvements in a Combined Washing-Machine and Stand; 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.

This invention relates to washing machines in which the rubbing apparatus is attached to inclined arms extending into a tub, and attached to the upright arms of a folding stand.

The object of the invention is to improve the construction of the stand so as to admit of its being more easily and rapidly extended for use, and more compactly folded for storage or shipment.

The invention consists in the construction, combination and arrangement of parts, as hereinafter fully set forth and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a view in perspective of a device embodying my invention as in use, and Fig. 2 is a view of the same folded.

Similar letters of reference indicate corresponding parts.

Referring now to the drawings, A A designate two uprights, to which is hinged a pair of legs B B by a rung *a*. To the upper ends of these legs is connected a pair of cross-bars C C by a rung *b*. They are also connected at the other ends by a rung *c*, the projecting ends of which enter and are adapted to slide in slots *a' a'* in the uprights A A. To the upper ends of the uprights A A are hinged by a rung *d* the bars D D, to the lower ends of which is connected the washer E. As the specific construction of this washer forms no part of this invention, the same need not be described. The upper ends of the bars D D should be connected by a rung *d''*, which serves as a handle in manipulating the bars and connected washer. For additional strength the lower ends of the uprights are connected by a cross-piece A', and the legs by a rung *b'*.

In order that the stand may be folded as closely as possible, notches *c' c'* should be cut in the cross-bars C C, and similar notches *d' d'* in the diagonal bars D D. These notches, when the stand is folded as shown in Fig. 2, coincide with the rungs *d''* and *c*, respectively. In this form, it will be observed that the stand folds together perfectly flat, so that in storing or shipping, particularly if the washer is removed, it occupies the smallest possible space. It is to be noted, however, that the position of the bars D D need not be reversed in folding, but may simply be pressed backwardly toward the uprights and as close to them as the positions of the other parts will allow. In this case the folding is not so compact as in the other case, though with the washer attached there is not very much difference, practically, but the operation is more quickly performed, and in many cases would be preferred. In this case the notches *c'* and *d'* could be dispensed with.

In practice I make the rear legs of the stand longer than the forward ones, so as to throw the uprights A A nearer perpendicular, and counteract the tendency of the extra weight at the upper end to tip the stand over back.

The stand is very easily and quickly set in position to receive the tub, the operator simply setting the stand on end, and with one hand holding one of the uprights, the other one pulls forward on the rung *b*, when the parts assume the position shown in Fig. 1.

Having thus described my invention, I claim—

The combination in a stand of the class specified, of the uprights A A having longitudinal slots *a' a'*, the legs B B hinged thereto at *a*, the cross-bars C C hinged to the upper ends of the legs by a rung *b*, a rung *c* having projecting ends engaging with the slots in the uprights, and connecting the cross-bars at the back ends, and a pair of washer-supporting bars D D hinged to the connecting rung *d* at the upper ends of the uprights, as set forth.

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

ELEM D. MATTHEWS.

Witnesses:
PETER SUNDE,
JOSEPH KULRICK.