(Model.)

O. SHEPARDSON & J. D. RUSSELL.

Clothes Wringer.

No. 240,468. **Patented April 19, 1881.**

Fig. 1.

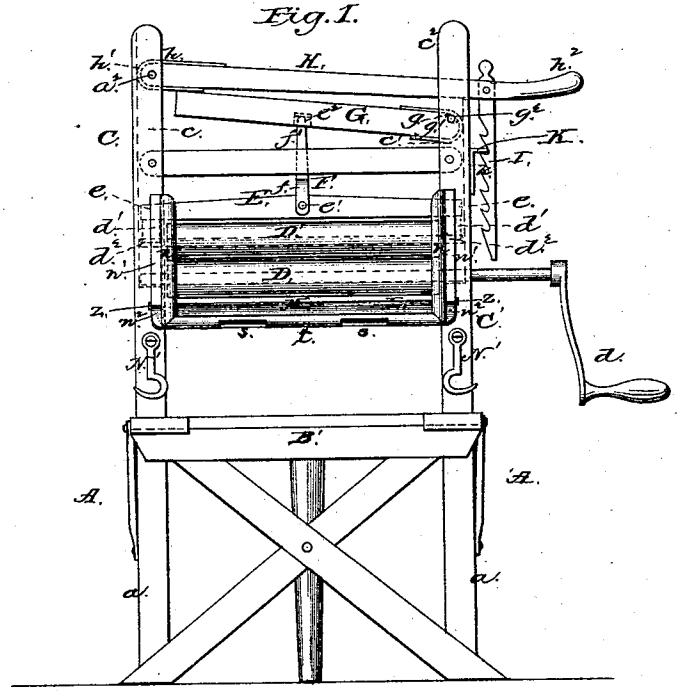


Fig. 2.

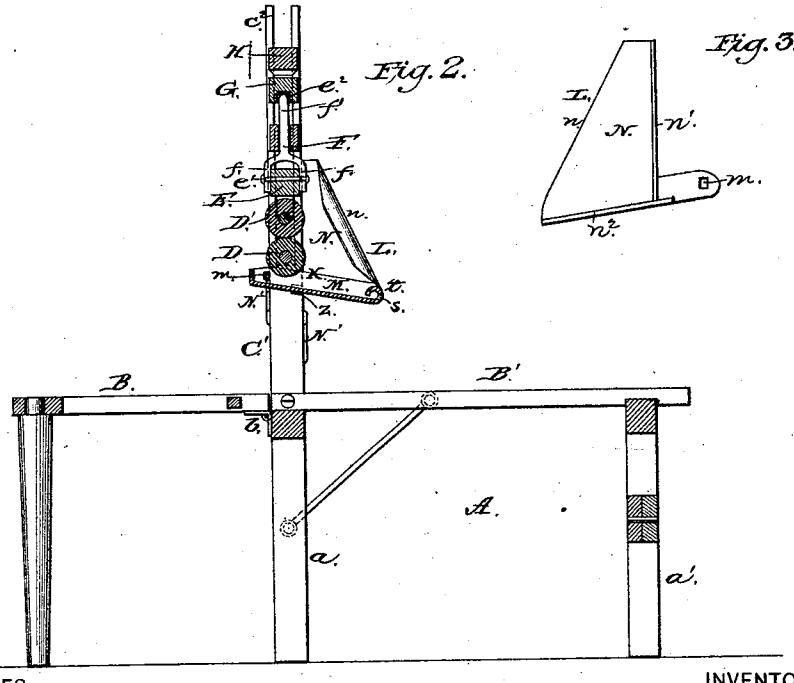


Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

OTIS SHEPARDSON AND JAY D. RUSSELL, OF STURGIS, MICHIGAN.

CLOTHES-WRINGER.

SPECIFICATION forming part of Letters Patent No. 240,468, dated April 19, 1881.

Application filed February 5, 1881. (Model.)

To all whom it may concern:

Be it known that we, OTIS SHEPARDSON and JAY D. RUSSELL, citizens of the United States, resident at Sturgis, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Clothes-Wringers; and we 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification, in which—

Figure 1 is an end view. Fig. 2 is a vertical longitudinal section, and Fig. 3 is a detail view.

This invention relates to wringing-machines.

The invention consists in the construction hereinafter described, and particularly pointed out in the claim.

In the annexed drawings, A is a supporting-frame on legs *a a'*, and hinged at *b*, forming a swinging extension, B, and main table B'. The legs *a* extend up, forming the arms C C'. These arms are grooved out on the inside at *c c'*, the latter opening into a fork, c^2, formed at the top of arm C'.

D D' are two rollers, having their bearings in the grooves *c c'*, the roller D extending through arm C' and having a handle, *d*. Blocks *d'* rest in grooves *c c'* upon the journals d^2 of upper roller, D'.

E is a bearing-bar, whose ends *e e* bear upon the blocks *d'*.

F is a forked rod, whose arms *f f* straddle bar E at the middle, and are held thereto by pin *e'*, the end *f'* of this rod projecting upward.

G is a presser-bar, having the loop *g* at the corner of one end, *g'*, by which it is hinged in groove *c'* by pin g^2, just below the fork c^2. About its middle, on its under side, this presser-bar G has a recess, e^2, in which is to be placed a piece of metal for wear, the end *f'* of rod F entering this recess.

H is an operating-lever, having at its end *h* the loop *h'*, by which it is hinged in the upper end of slot *c* by pin a^2. The other end, h^2, lies in and extends beyond the fork c^2, and has at its end, beyond this fork, the dependent swinging rack I, whose teeth *k* have an upward inclination.

K is a catch, located by the rack.

In the arms C C', just below the roller D, are notches *z*, one upon each face of the arms.

L is the drip-pan, having the receiver M and sides N. At one edge of this receiver, at each end, is a hole, *m*. The sides N have oblique edges *n*, which are curved inward, and straight edges *n'*, turned out, forming flanges. The bottom edges, n^2, project beyond the straight edges *n'*. The sides N are secured to the outside of the receiver M, and have about the half of the width thereof. That part of the receiver having the holes *m* projects between the arms C C', and forms seats, as shown.

Upon the faces of each arm C C' is located a hook or catch, N', just below the notches *z*.

The drip-pan is placed in place with the projecting part of the receiver M between the arms C C', the projections n^2 resting in notches *z*, the sides N bearing against the arms, and the hooks N' are caught in the holes *m*. The amount of pressure in the rollers D D' is regulated by the operating-lever H, which is held at any desired point by hooking the rack I over the catch K. When the drip-pan is put in place its upturned ends K K come between the ends of the rubber of roller D and the inside of arms C C'. The tub of clothes is placed on the main table B', and the clothes are fed to the rollers over the drip-pan. As the clothes are wrung the water drips and is caught in the receiver M. The front edge, *t*, of this receiver is rolled up, and has underneath the outlets *s s*, through which the water drips and falls in the tub.

A drip-board consisting of an inclined wooden bottom piece, provided with an arched front piece and metallic end pieces constructed with inside flanges, and fitted between the ends of the rolls and the inner faces of the standards of the wringer-frame, recesses in the end pieces permitting them to be hooked over the roller-shafts, and buttons for locking the drip-board in place, has been employed prior to our in-

vention, and said construction is not claimed herein.

What we claim is—

In a clothes-wringer, the drip-pan having the holes *m*, the flanges *n' n²*, and the curved inclined sides *n* N, in combination with the uprights C C', having notches *z z*, and the hooks N', substantially as and for the purposes set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

OTIS SHEPARDSON.
JAY D. RUSSELL.

Witnesses:
FRED. W. SHOECRAFT,
S. T. STOUGHTON.