D. Lyman,

Clothes Wringer,

No. 31,895, Patented Apr. 2, 1861.

Fig 1

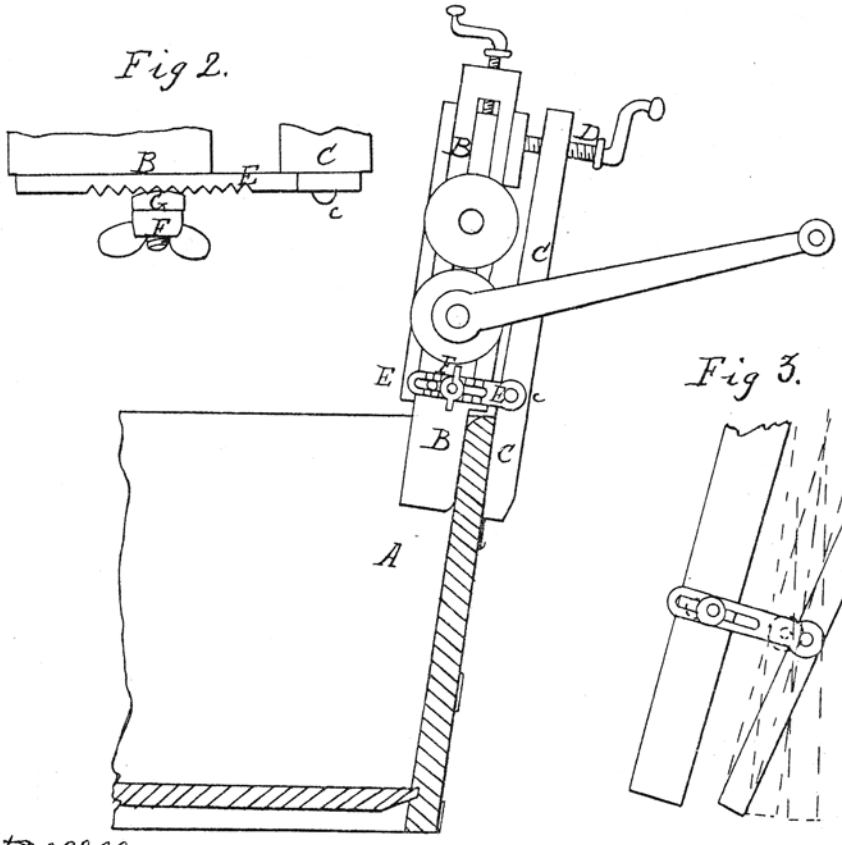
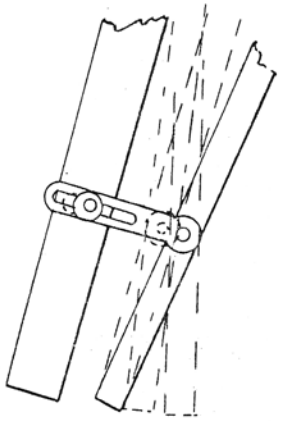


Fig 2.

Fig 3.



Witnesses.
Edward R. Sanders
Sam'l C. Johnson

Inventor
David Lyman

UNITED STATES PATENT OFFICE.

DAVID LYMAN, OF MIDDLEFIELD, CONNECTICUT.

MODE OF ATTACHING CLOTHES-WRINGERS TO TUBS.

Specification of Letters Patent No. 31,895, dated April 2, 1861.

To all whom it may concern:

Be it known that I, DAVID LYMAN, of Middlefield, in the county of Middlesex and State of Connecticut, have invented a certain new and useful Improvement in Clothes-Wringing Machines, whereby they may be readily attached to tubs or other objects of various thicknesses; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a section of a tub with my improved wringing machine attached, and Fig. 2 is a plan view of the novel joint.

Similar letters of reference indicate like parts in all the figures.

The nature of my invention consists in hinging to the frame of the wringing machine by connecting links or stands of adjustable length, a clamping lever or frame with suitable means of powerfully inclining the same, whereby the tub or other object can be grasped and held with the desired force by jaws the position of which can be exactly adapted thereto whether the object be thick or thin, and whether the object be of uniform thickness, or be thicker or thinner at the upper edge than below.

To enable others skilled in the art to make and use my invention I will proceed to describe the construction and operation of the same by the aid of the drawings, and the letters of reference marked thereon.

A is a tub, and B an elastic roller wringer of any of the well known varieties.

C is one leg of the wringer hinged at *c* and having a screw, D, at the upper end by which it may be made to act on the tub or other object to which the wringer is attached, like the jaw of a vise, clamping it firmly.

E is a metal stand forming one part of the joint *c*, and fastened to B by a suitable washer and a screw F, passing through a slot in E, as represented, so that E may be adjusted to different positions on B at pleasure. The face of E is notched as is shown in Fig. 2, and a washer G, adapted to fit the notches in E is placed between the latter and the nut or screw F, as represented. The effect of this arrangement is such that when the washer G is screwed firmly against E, so that its projections fit the notches in E, no force less than that required to break one of the parts can move the latter upon B, but by loosening the washer G, the stand E may be so moved that G will fit into any other of the notches therein. E may be fitted in slides in B to prevent it from moving around F, or a pin may be driven into B through the slot in E, as represented, for the same purpose. One of these stands E with all its appurtenances is used on each side of the wringer, and it will be seen that by their use the legs B and C, may be fitted to embrace tubs or other articles of various thicknesses, and be held with equal firmness on each.

In wringers with a clamping frame hinged thereto as heretofore constructed the legs were adapted to only a certain thickness of tub and allowed but a slight variation from that thickness. If, therefore, it was required to use the same machine on different vessels, much inconvenience was often experienced in cutting away or patching up as the case might be to accomplish this object.

By my invention the wringer may be quickly adjusted to the thickest or thinnest vessel in common use, and will be held equally well on either.

By my invention the wringer may also be adapted to fit with equal tightness upon vessels or fixtures the inner or outer surfaces of which are not parallel, as for example a tub the upper edge of which is thin and the lower part of which is thick or vice versa. The several strong and dotted lines in Fig. 3, designate some of the conditions in which the adaptability of my invention to various conditions, and the faults of any attachment not possessing such adjustability are alike apparent.

I wish it to be understood that I do not claim broadly securing a wringing machine to a tub or washing machine by causing it to grasp the latter between parts adapted therefor but only the specific means herein described for effecting such clamping in a superior manner.

What I claim as my invention and desire to secure by Letters Patent is—

The employment in wringing machines, of adjustable hinges at the point represented by E F G, between the main frame B and a

clamping lever or frame C C the latter being operated by the screw D or equivalent mechanical device or devices at or near the top of the machine all substantially in the manner herein described and for the purpose above set forth.

In testimony whereof I have hereunto set my name in presence of two subscribing witnesses.

DAVID LYMAN.

Witnesses:
EDWARD R. LANDON,
SAML. C. JOHNSON.