J. McLaughlin,

Wringer.

No. 107,518. Patented Sep. 20, 1870.

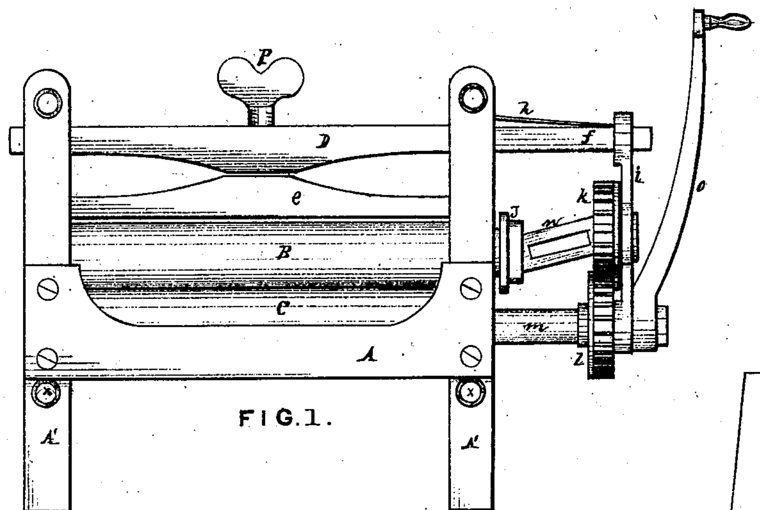


FIG. 1.

FIG. 2.

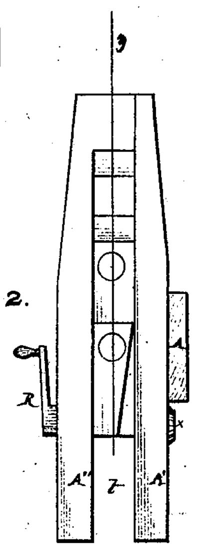
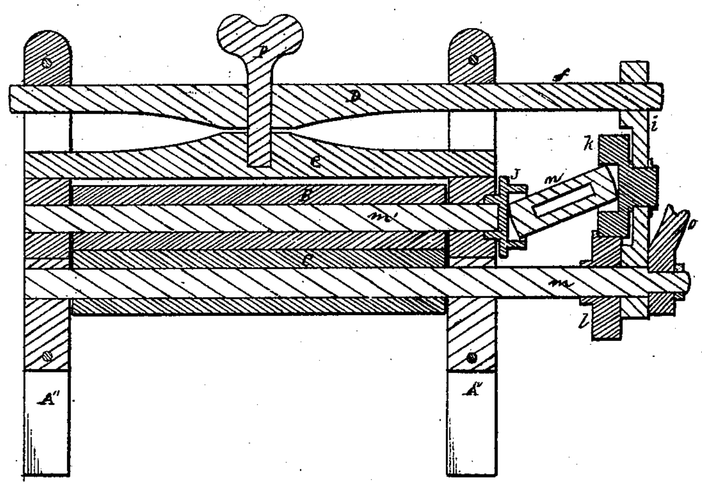


FIG. 3.



Witnesses
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Inventor
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JOHN McLAUGHLIN, OF STEUBENVILLE, OHIO.

Letters Patent No. 107,518, *dated September* 20, 1870.

IMPROVEMENT IN CLOTHES-WRINGERS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, JOHN McLAUGHLIN, of Steubenville, in the county of Jefferson and State of Ohio, have invented a new and useful Improvement in Clothes-Wringer; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in constructing a clothes-wringer so that its rollers may be separated, and its driving-wheels remain in the same position with relation to each other, said rollers, wheels, and the several parts connected therewith, being constructed, arranged, and operating substantially as hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe more fully its construction and operation.

In the accompanying drawing, which forms part of my specification—

Figure 1 is a front elevation of my improvement in clothes-wringer.

Figure 2 is an end view of the same.

Figure 3 is a longitudinal section of the wringer, when cut through at line *y* of fig. 2.

In the accompanying drawing—

A A′ A″ represent the several main parts of the frame, which is constructed of wood.

B and C represent the rollers, which are of the ordinary construction.

D and *e* represent the springs, which are constructed of a strong elastic wood, the spring D being provided with an extension, *f*, on the end of which is suspended a "hanger," *i*, in which are pivoted the driving-wheel *k* and the axis *m* of the roller C.

Upon the axis *m* is secured a driving-wheel, *l*, which gears into the wheel *k*, which has in its inner face a recess, into which is placed one end of a coupling-arm, *n*, the other end of which is placed in a recess made in the outer face of the disk J, which is secured on the axis *m′* of the roller B.

h represents a flexible stay for the parts A and A′, on the side next the crank *o*.

P represents a set-screw for regulating the tension of the springs D and *e*.

On the outer end of the axis *m* of the roller C is secured the crank *o*, which is used for driving the roller C and wheels *l* and *k*.

The bearings for the axis *m* and *m′*, of the rollers C and B, are arranged between the parts A′ and A″.

The parts A′ and A″ are drawn together, for securing the wringer-frame upon the wash-tub, by means of the screw X and crank R, the axis of which is provided with screw-threads adapted to the screw-threads of the screw X.

The operation of my improved clothes-wringer is as follows:

The parts A′ and A″ are arranged upon the wash-tub, so that the edge of the tub will enter the space *t*. The parts A′ and A″ are then drawn together by turning the crank R until the frame is properly secured to the tub.

The clothes are passed between the rollers B and C, in the usual manner, and motion imparted to them through the medium of the crank *o*, wheels *l k*, and coupling-arm *n*, which arm will allow the rollers B to rise up from roller C without changing the mesh of wheels *l* and *k*.

What I claim as of my invention is—

The arrangement of the spring D, with its extension *f*, flexible brace *h*, hanger *i*, driving-wheels *l* and *k*, coupling-arm *n*, and disk J, in connection with rollers B and C, the whole being constructed and arranged as herein described, and for the purpose set forth.

JOHN McLAUGHLIN.

Witnesses:

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