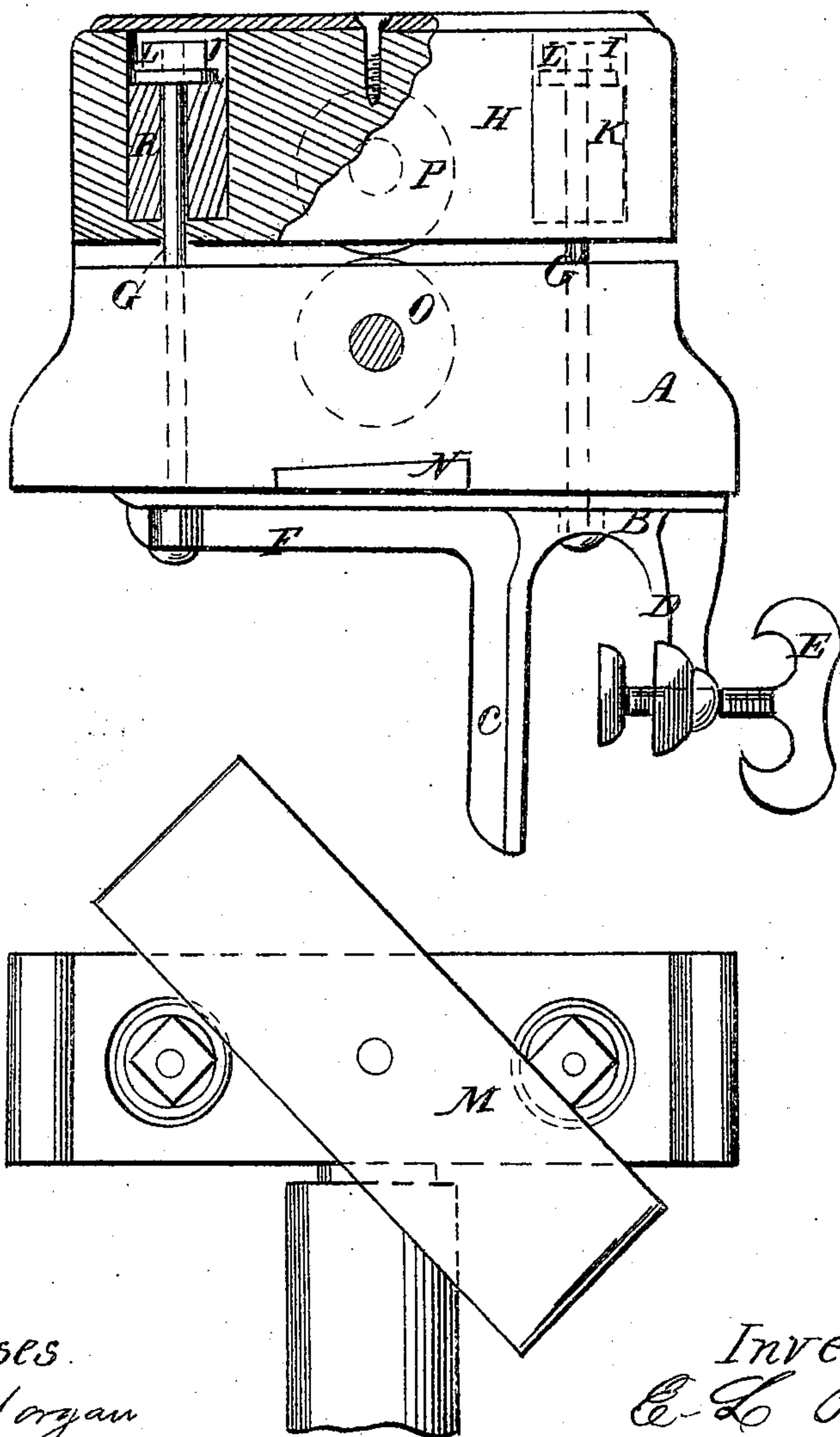


Perry & Mannheim,

Wringer.

No. 93,223.

Patented Aug. 3. 1869.



Witnesses.
Anna Morgan
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EDWARD L. PERRY AND CHARLES MANHEIM, OF NEW YORK, N. Y.

Letters Patent No. 93,223, dated August 3, 1869.

IMPROVED WRINGING-MACHINE.

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

To all whom it may concern:

Be it known that we, EDWARD L. PERRY and CHARLES MANHEIM, of the city, county, and State of New York, have invented a new and useful Improvement in Wringing-Machines; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in clothes-wringing machines, whereby it is designed to provide a more simple and effective machine than any now in use.

It consists of an improved arrangement of the adjusting-supports of the adjustable roller.

Also, of improvements in the arrangement of the supporting-brackets for connection with the roller-supports.

Figure 1 represents a broken end elevation of our improved machine.

Figure 2 represents a partial plan view of the same.

Similar letters of reference indicate corresponding parts.

A represents the bearings for the lower roller, which are permanently fixed to the top of the brackets B, having the vertical projections C and D, and the set-screws E, for securing them to the tub, in the ordinary manner, and which are provided, according to our improved arrangement, with the lateral extensions F, for attachment to and for the more permanent support of the roller-bearings A, which are connected thereto by the bolts G, serving also for the connection of the adjustable bearings H of the adjustable roller, which are provided with enlargements or chambers, I, opening through the top, and extending downward a suitable distance coincident with the holes for the bolts, and capable of receiving the springs K, through the axis of which the said bolts pass, receiving the tightening-nuts L on the top thereof.

The said springs may be made of any suitable material, and in any preferred form. We propose, however, to employ vulcanized India rubber; and we propose to so arrange the relative height of the bolts, and the top of the movable bearings, that tightly-fitting covers or caps, M, may be pivoted to the tops of the bearings to cover the chambers I, to prevent the admission of water or other deteriorating substance to the presence of the springs; and we prefer to arrange

the said caps as represented in the drawings, whereby they are more easily displaced for the inspection or adjustment of the springs.

Either one or both of the holes through the brackets for the bolts G may be elongated transversely, to admit of the adjustment of the brackets to the curvature of the tubes of different curvatures, so that the face of the projections C may bear fair on the inner surface of the side of the tub; or, if preferred, the projection D may be formed separately from the horizontal part of the bracket, and be so attached thereto as to oscillate horizontally for adjustment to the said curvatures.

The bearings of each end may be connected together by a plate, or strip of wood, or other substance, connected by its ends to the fixed bearings above the brackets, as represented at N, and the upper surface thereof inclined downward toward the interior of the tub, thereby forming a water-shed, to convey the water exuding from the clothes back into the tub.

The rollers O and P may be formed of any preferred material, and operated by a crank, in the usual manner, and they may be geared together, if preferred.

The simplicity, and consequent cheapness, as well as the effective qualities of this arrangement, will be readily perceived.

Having thus described our invention,

We claim as new, and desire to secure by Letters Patent—

1. The combination of the bearings A and H with the bolts G and springs K, arranged upon both sides of the rollers, the bolts extending through the lower bearing A, substantially as and for the purpose specified.

2. The brackets B, when extended at F to support the bearings for the lower roller, and to receive the outer bolt G, which connects the two bearings together, substantially as and for the purpose described.

3. The combination of the brackets B, with their extensions F, the bearings A and H, bolts G, springs K, and rollers O and P, all arranged substantially as and for the purpose described.

The above specification of our invention signed by us, this 6th day of October, 1868.

EDWARD L. PERRY.
CHARLES MANHEIM.

Witnesses:

C. L. TOPLIFF,
ALEX. F. ROBERTS.