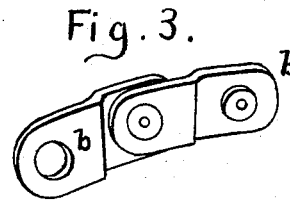
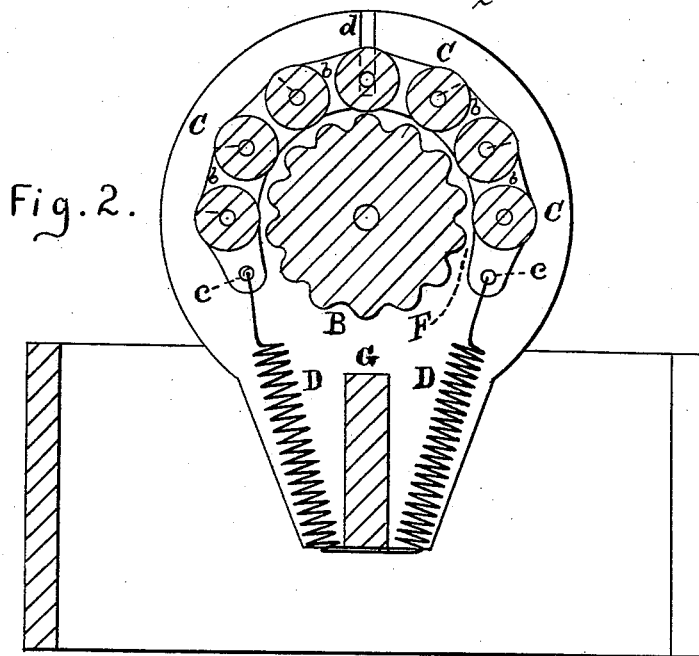
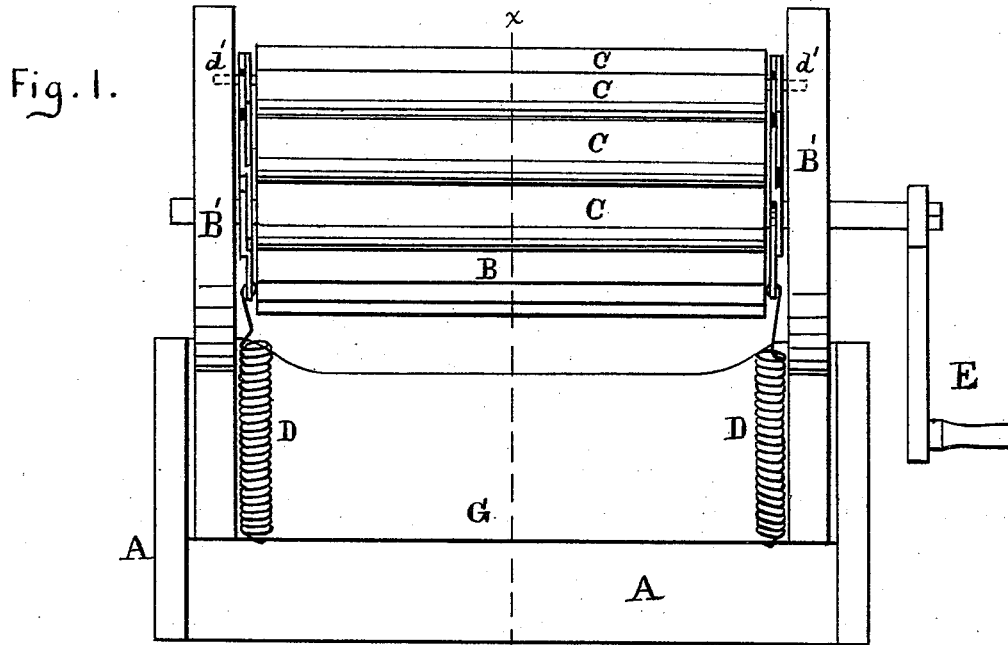


J. H. MUDGETT.
Washing-Machine.

No. 166,714.

Patented Aug. 17, 1875.



Witnesses :

H. Anthon.
J. L. Cranston.

Inventor :

J. H. Mudgett
By W. Burris Atty

UNITED STATES PATENT OFFICE.

JOSEPH H. MUDGETT, OF CAMANCHE, IOWA.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **166,714**, dated August 17, 1875; application filed July 17, 1875.

To all whom it may concern:

Be it known that I, JOSEPH H. MUDGETT, of Camanche, in the county of Clinton and State of Iowa, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a front elevation with front side of the tub broken off. Fig. 2 is a cross-section on line *xx* of Fig. 1. Fig. 3 is a perspective view of two of the adjustable bearings connected, detached from the machine.

The object of my invention is the construction of a machine which will wash uniformly and without liability of tearing articles of unequal thicknesses; and I accomplish this by means of a central corrugated roller, combined with a number of small rollers adjusted in adjustable bearings held by springs, as hereinafter described.

In the drawings, A represents the tub, and B the central corrugated roller, having its bearings in standards B'. C represents the small rollers, provided with the adjustable bearings *b*, which are connected with each other by pivoted or loose rivet-joints, and the lower ends of the lower bearings are provided with holes or eyes *c*, to receive the upper ends of the coiled springs D, the lower ends of which

are attached to the cross-bar G. In the standards B' are vertical grooves *d*, into which extend the pins *d'*, attached to the middle bearings, and adjusted to slide loosely upward and downward in the grooves, to allow the requisite vertical motions of the bearings, and to hold them in place laterally. E represents the crank attached to the shaft of the corrugated roller.

The articles to be washed, being properly soaped, are introduced at F between the corrugated roller B and small rollers C, and the roller B is oscillated by means of the crank rubbing the clothes back and forth between roller B and rollers C, the springs holding the small rollers upon the corrugated roller with sufficient force, and allowing them to adjust themselves to the different thicknesses of the clothes.

What I claim as new in a washing-machine is—

In combination with the central roller B and small rollers C and springs D, the adjustable bearings *b*, each constructed in a separate part, and all connected together by loose joints, as described, to render each one of the small rollers separately adjustable, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own invention I affix my signature in presence of two witnesses.

J. H. MUDGETT.

Witnesses:

WM. W. SANBORN,
CHAS. W. CHASE.