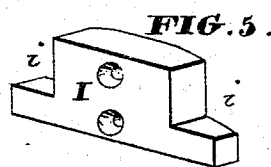
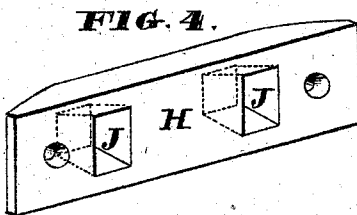
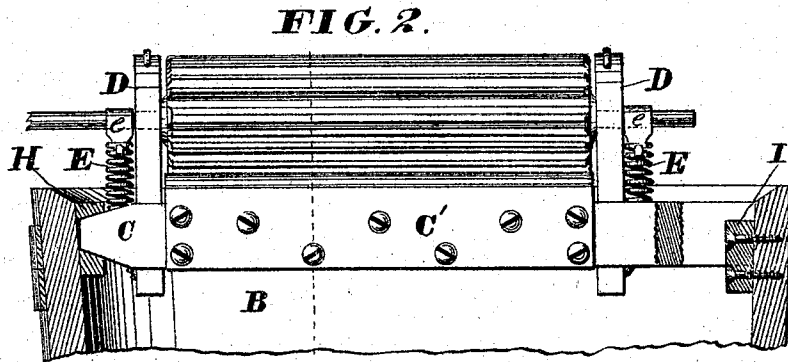
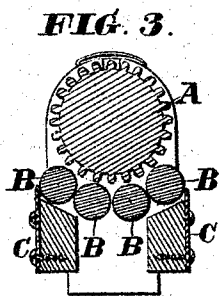
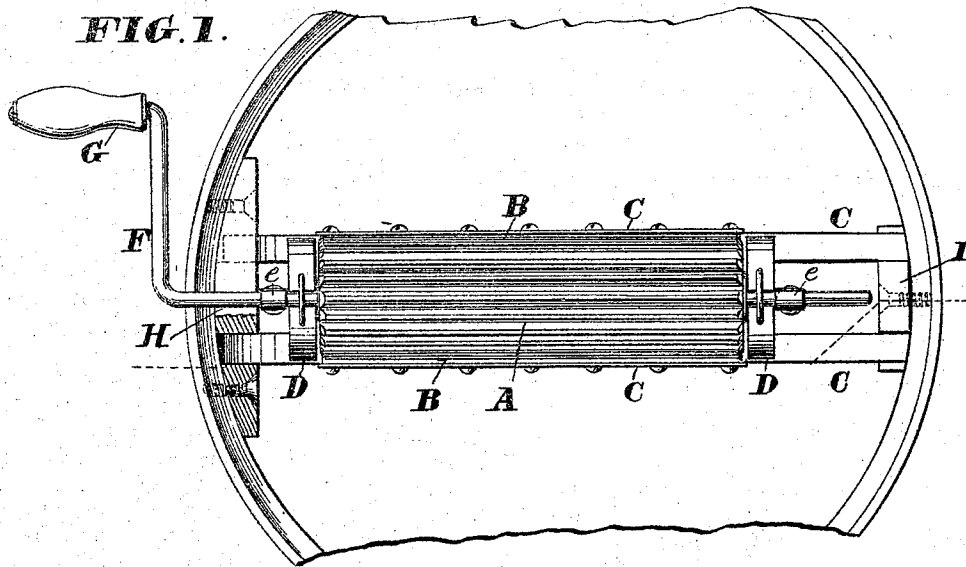


C. COLE.
Washing-Machines.

No. 136,970.

Patented March 18, 1873.



WITNESSES:

Geo. L. Ewin
Walter Allen

INVENTOR:

Converse Cole
By *Knights* Attorneys.

UNITED STATES PATENT OFFICE.

CONVERSE COLE, OF MERIDEN, NEW HAMPSHIRE.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **136,970**, dated March 18, 1873.

To all whom it may concern:

Be it known that I, CONVERSE COLE, of Meriden, in the county of Sullivan and State of New Hampshire, have invented an Improvement in Washing-Machines, of which the following is a specification:

Nature and Objects of the Invention.

My invention relates to a roller washing-machine, adapted for use in a common wash tub or box, prepared for its reception by the application of suitable socket pieces or seats to the inside of the tub on opposite sides; and my improvements specially consist in the combination of the fluted cylinder, presser-rolls, side rails, and guard-plates, whereby the clothes are kept in proper position to receive the rubbing and squeezing action necessary to cleanse them, and are prevented from binding or catching underneath the lower rolls.

General Description.

In the accompanying drawing, Figure 1 is a plan or top view of my improved machine applied to a wash-tub. Fig. 2 is a side elevation of the same, partly in section, on the line *xx*. Fig. 3 is a transverse section on the line *yy*, Fig. 2. Figs. 4 and 5 are detached perspective views of the seats or socket-pieces.

A represents a fluted cylinder, fixed upon a shaft, F, mounted in standards D D, and provided with a handle, G. The standards D D are attached to sills C C, which rest, at their ends, in cleats H and I, the former having sockets J J, to hold the forward ends of the sills firmly against movement in any direction, and the cleat I, with notches *ii*, to support the rear ends. B B B B are small rolls journaled at their ends in the standards D, and arranged concentrically, or nearly so, around

the lower part of the fluted cylinder A. E E are springs, attached at bottom to the standards D, and at top to straps *ee*, which encircle the crank-shaft, and cause the springs to hold the fluted cylinder A down upon the rolls B, or to press upon clothes inserted between the said fluted cylinder and rolls. C' C' are metallic guard-plates, attached to the faces of the sills C, and projecting upward to about the mid-height of the two outer bed-rolls, and in close proximity with the peripheries thereof, so as to prevent clothing from passing under them, or catching and binding between them and the sills C. The cleats H and I are screwed to the inside of the tub, as represented.

To prepare the machine for use, the forward ends of the sills C are inserted in the sockets J, and their rear ends rested in the notches *i*. The washing is effected by introducing the clothing underneath the fluted cylinder A upon the bed-rolls B, and imparting a reciprocating or rotary movement to the said fluted cylinder by means of the handle G.

Claim.

I claim—

In combination, the guard C', made of thin plates of non-corrosive metal, the sills C, cleats H I, standards D, springs E, fluted cylinder A, and bed-rolls B, all constructed and arranged substantially as and for the purposes set forth.

Witness my hand this 3d day of February, 1873.

CONVERSE COLE.

Witnesses:

STEPHEN D. STONE,
SAMUEL W. COLE.