

UNITED STATES PATENT OFFICE.

JOHN YOUNG, OF WEST GALWAY, NEW YORK.

WASHING-MACHINE.

Specification of Letters Patent No. 32,806, dated July 9, 1861.

To all whom it may concern:

Be it known that I, JOHN YOUNG, of West Galway, Fulton county, New York, have invented a new and useful Improvement in Washing and Wringing Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference thereon, making part of this specification.

Of the said drawings Figure 1 is a front elevation. Fig. 2 is a vertical section.

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

The nature and object of my invention consists in so combining and arranging the rollers that I am enabled to obtain great elasticity and thereby prevent injury to the material being washed and also greatly facilitate the operation of washing and wringing clothes.

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

A represents the base upon which are erected two uprights B B, which are mounted by a cross beam C, and strengthened by a cross bar J.

D D, are rollers one of which has a winch to propel them and have their bearings in the pieces (a a) and (b b) at (e) and (f), the upper ones being arranged to slide freely vertically and are held in place by means of the spring E and the pressure imparted from the wedge pieces (d d) which may be regulated as desired. I construct the rollers as follows: I turn them down inside the collars at D, Fig. 1, about half size except a small shoulder for the ends of the slats (i) to rest upon close to the collar D. I then fill the part thus turned down with elastic material as a support for the slats.

I then put on the slats which are of the desired width and thickness—the ends resting on the shoulders provided therefor and insert pins to keep them a sufficient distance apart so they will be free to yield—and in case of breakage or injury a slat can be substituted without trouble or inconvenience. I then put over this roller a fluted or roughened elastic ring of sufficient thickness to stand the requisite wear.

The tub G, is pivoted at (h), to the standards B, B so that it will tip for drainage as shown in Fig. 2, and may be secured in any desired position by a proper fastening.

The pieces (c. c.) serve as shields to conduct the water pressed from the clothes into the tub.

H H, are guides for receiving and delivering the clothes to and from the machine on opposite sides.

Operation: The clothes are placed in the tub G which is filled with water prepared for the purpose—the operator imparts motion to the rollers by turning the crank and enters the material to be washed or wrung to the elastic rollers passing them through back and forth until sufficiently cleansed, when they may be passed through the machine under greater pressure by adjusting the springs F and the water pressed therefrom without injury thereto and with rapidity and ease.

I claim—

The rollers D D, provided with elastic material (g) the spring slats (i) and grooved or roughened elastic rollers I, the whole constructed and operating substantially as described and for the purposes specified.

JOHN YOUNG. [L. s.]

Witnesses:

JAMES YOUNG,
ROBERT MILLER.