

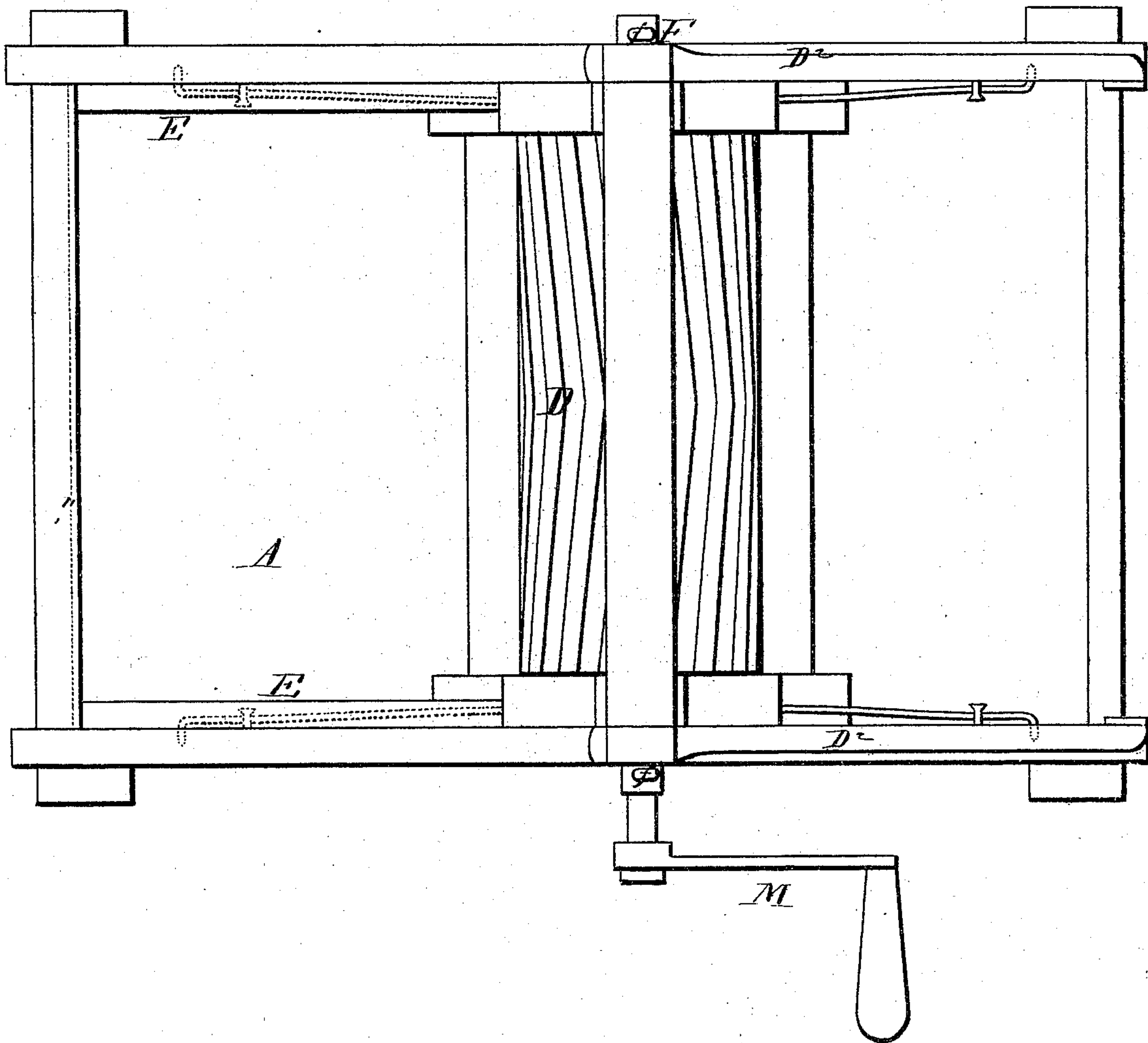
JEREMY TAYLOR.

Improvement in Washing Machines.

No. 125,099.

Patented March 26, 1872.

Fig. 1.



Witnesses.

E. Anderson
V. Anderson

Inventor.

Jeremy Taylor
Chipman Hosmer & Co.
Attys

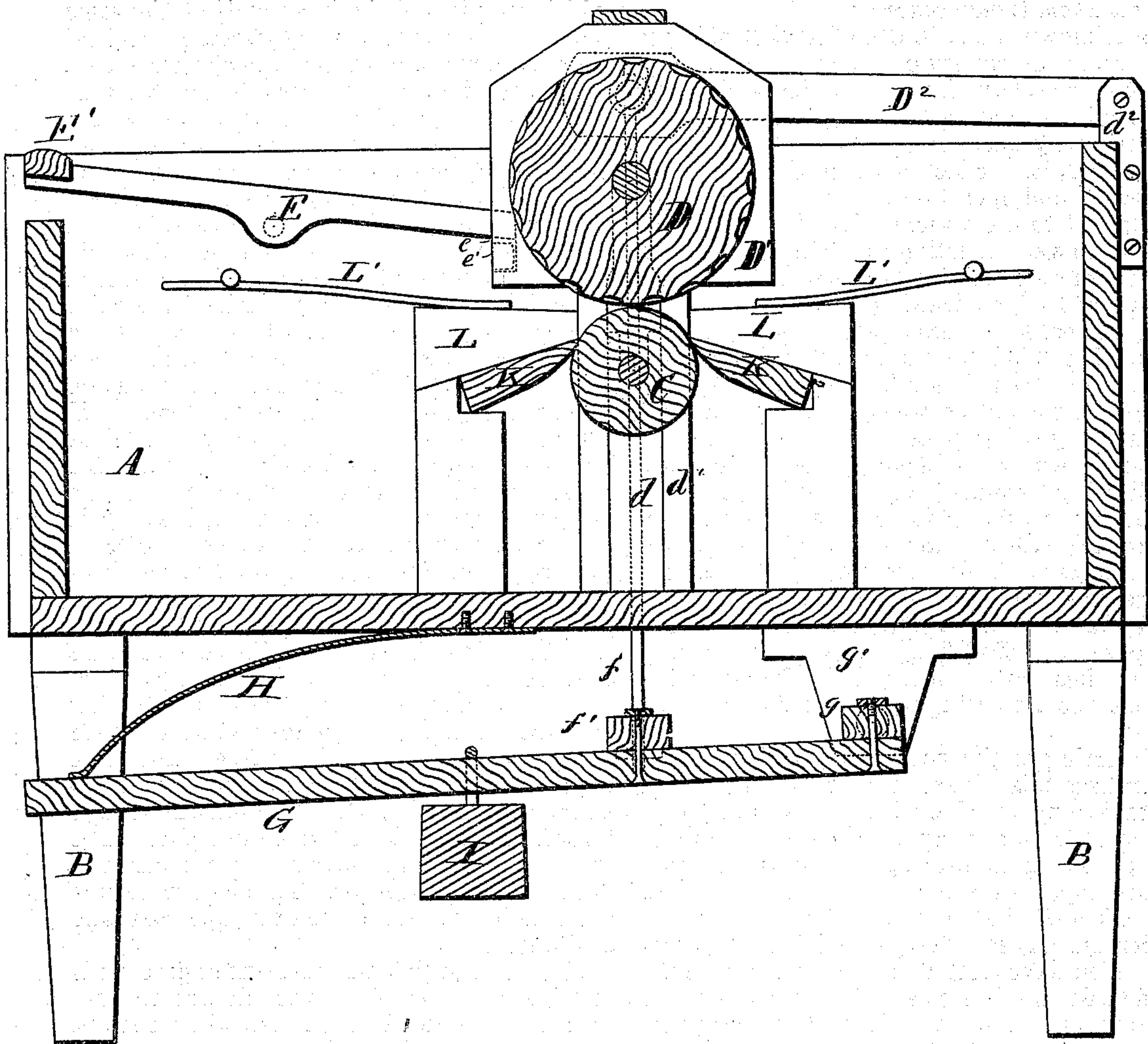
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Fig. 2.



Witnesses.

L. Anderson
V. Anderson.

Inventor.

Jeremy Taylor,
Chapman Hosmer & Co
Attys

UNITED STATES PATENT OFFICE.

JEREMY TAYLOR, OF THREE RIVERS, MICHIGAN.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 125,099, dated March 26, 1872.

To all whom it may concern:

Be it known that I, JEREMY TAYLOR, of Three Rivers, in the county of St. Joseph and State of Michigan, have invented a new and valuable Improvement in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a vertical longitudinal section of my invention. Fig. 2 is a top-plan view of the same.

This invention has relation to washing-machines of that class wherein the clothes are cleaned by being passed between impinging rollers, one of which is placed above the other, both being arranged within a suitable watertight box or tub. The novelty of this invention consists, first, in the construction and novel arrangement of devices for regulating the pressure of the rolls; second, in the construction and novel arrangement of devices for the purpose of facilitating the work of feeding the clothes to the rollers, and for preventing the clothes from being wound around the lower roller.

Referring to the accompanying drawing illustrating this invention, A represents a box or tank, supported on legs B. C designates the small roller of my improved washing-machine, having its bearings in recesses formed in the upper ends of standards d , secured to the sides of the tank A. D represents the upper and larger roller, journaled to the posts D^1 , which have slotted arms d^1 to embrace the standards d . The posts D^1 are adapted to slide up and down to allow the upper roller free movement. Hinged to the posts D^1 are arms D^2 , which are also hinged to lugs d^2 , at one end of the tank A. E are levers, pivoted to the sides of the tank A, their inner ends fitting slots e in the edges of the posts D^1 , and their outer ends connected by means of a transverse hand-bar E' . These levers are used for the purpose of raising the large roller for the insertion of clothes to be washed. The slots e have cushions e' underneath the ends of the levers, to render easier the work of raising the roller. F represents the spindles, to

which are pivoted the inner ends of the arms D^2 . To these spindles are attached vertical rods, f , connected at their lower ends to a transverse bar, f' , underneath the tank A. Said bar is secured to a tongue, G, having a cross-head, g , which is hinged or pivoted to two lugs, g' , depending from the bottom of the tank A, as shown. A plate-spring, H, attached to the tank, bears against the free end of the tongue G. I represents an adjustable weight, hung on said tongue. The effect of the pressure of said spring is to keep the roller D toward the lower roller with sufficient force for ordinary purposes. When greater pressure is required, the adjustable weight may be moved to a proper point along the tongue. K represents inclined aprons, resting on notched cleats secured to the sides of the tank A. The inner edges of these aprons are beveled on their under parts, and rest against the surface of the smaller roller. At the ends of said aprons are blocks, L, upon which the ends of springs L' rest for the purpose of keeping the aprons in place while allowing the roller sufficient freedom for rotation. These aprons are designed to prevent the clothes from being wound around the roller, and are also intended as supports for the clothes while they are being passed between the rollers. The large roller, it will be observed, is grooved in a peculiar manner, the grooves running in oblique lines from the ends to the middle part. The grooves on each side of said middle part run parallel to each other. The grooves from each end meeting at the middle thus take the shape of the letter V.

The effect of this arrangement of grooves is to cause the dirt from the clothes to pass toward the middle of the roller, whence it will be expelled into the tank. Ordinarily, the dirt is allowed to pass to the ends of the roller, where it accumulates, and after a time renders the perfect cleansing of clothes almost impossible. The water has free access through the oblique grooves to the compressed portion of the clothes between the rollers.

M represents a crank-arm for operating the machine.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a washing-machine, the hinged tongue

G, spring H, rods *f*, levers E, and hinged supports D², as and for the purpose specified.

2. The aprons K, beveled underneath to rest on the roller, in combination with the blocks L, springs L', and the roller C, as and for the purpose specified.

In testimony that I claim the above I have

hereunto subscribed my name in the presence of two witnesses.

JEREMY TAYLOR.

Witnesses:

CYRUS E. PEIRCE,

CLARENCE E. WILBUR.