

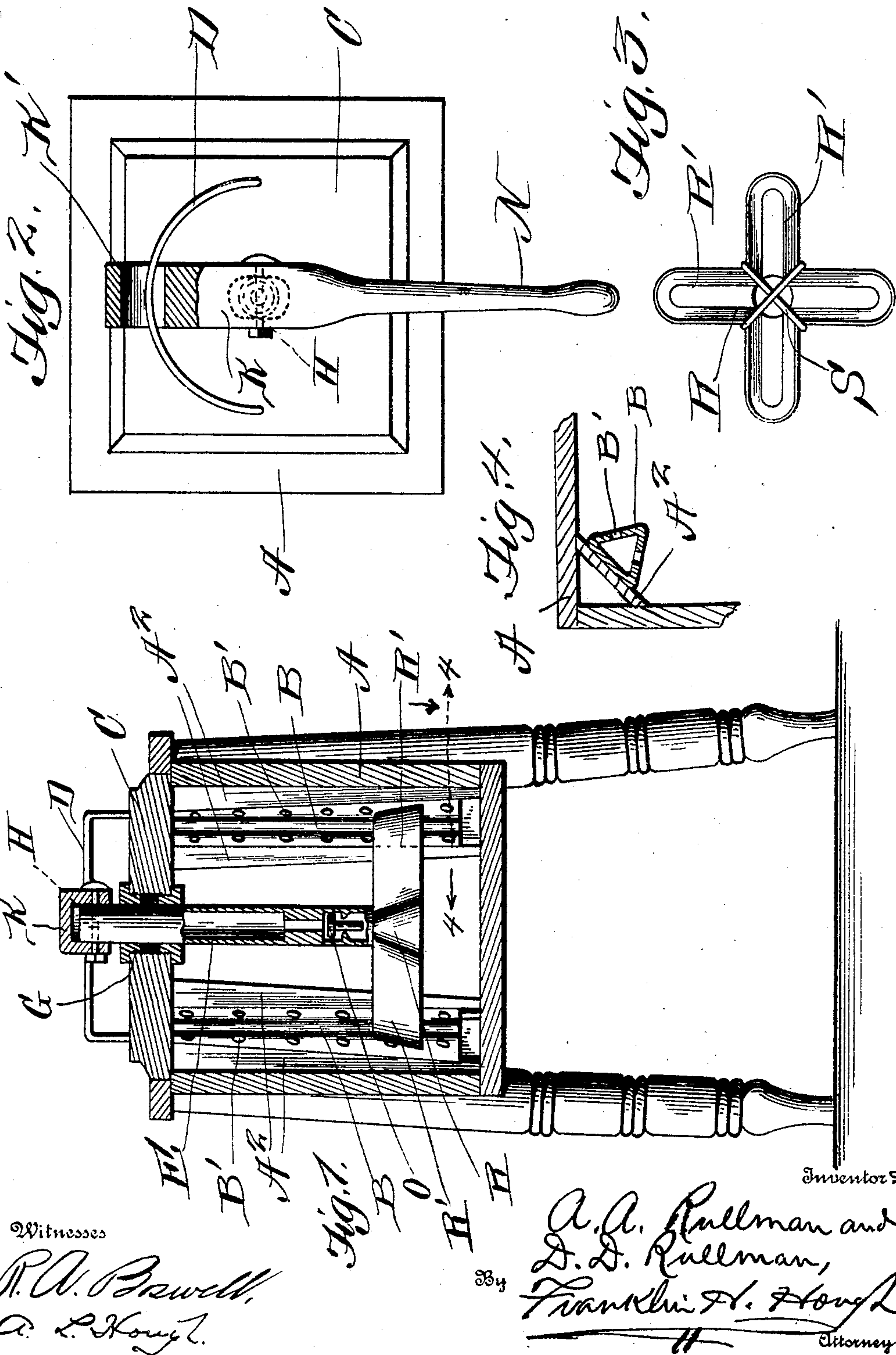
No. 832,276.

PATENTED OCT. 2, 1906.

A. A. & D. D. RULLMAN.

WASHING MACHINE.

APPLICATION FILED AUG. 24, 1905.



Witnesses
P. A. Brewell,
A. L. Koyl.

Inventor S
A. A. Rullman and
D. D. Rullman,
Franklin H. Hough
Attorney

UNITED STATES PATENT OFFICE.

ADOLPH AUGUST RULLMAN AND DAVID DOUGLASS RULLMAN, OF
WATHENA, KANSAS.

WASHING-MACHINE.

No. 832,276.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed August 24, 1905. Serial No. 275,548.

To all whom it may concern:

Be it known that we, ADOLPH AUGUST RULLMAN and DAVID DOUGLASS RULLMAN, citizens of the United States, residing at Wathena, in the county of Doniphan and State of Kansas, have invented certain new and useful Improvements in Washing-Machines; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains 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.

This invention relates to new and useful improvements in washing-machines, and comprises various details of construction and combinations of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

Our invention is illustrated in the accompanying drawings, in which—

Figure 1 is a vertical sectional view through our improved washing-machine. Fig. 2 is a top plan view, and Fig. 3 is a bottom plan view, of the clothes-pounder. Fig. 4 is a cross-sectional view on line 4 4 of Fig. 1 through one of the corners of the machine.

Reference now being had to the details of the drawings by letter, A designates the body portion of the washing-machine, which may be of any size or shape, and within the body portion of the machine are the corner-pieces B, having perforations B' therein, and said corner portions project out into the body of the machine, and a space intervenes between the lower end of each corner-piece and the bottom of the body of the machine, whereby water, which may be forced through the openings in said corner-pieces, which are hollow and triangular-shaped in cross-section, may make exit. Said corner-pieces project from the flaring walls A² across the corners of the body portion, this arrangement being for the purpose of thoroughly agitating the water, thereby forcing steam and water through the fabrics being cleansed.

C designates a lid or cover to the machine, and D designates a rod bent in semicircular shape, the ends of which are fastened to the lid or cover. E designates a hollow shaft journaled in the boxes G, which are fitted in an aperture in said top or lid. Said shaft is

pivotaly connected, by means of a pin H, to the head K of the handle, which head has a recessed portion to receive the pivotal end of the hollow shaft E. Said head K is provided with an elongated slot K', adapted to receive the semicircular rod D, forming a loose pivotal connection therewith and affording means whereby the head, with the handle N fastened thereto, may be worked up and down or turned so as to give a partial rotary movement to the shaft E. Said shaft E, which is hollow, has a check-valve O mounted therein and carries at its end a pounder R, made up of radial cups R' with flaring walls, and S designates intersecting wires or rods, which are fastened to the under sides of the cups for the purpose of securely bracing the same and also affording a means for acting upon clothes as the pounder is forced down upon the same.

The operation of our machine is simple and will be readily understood when taken in connection with the drawings and is as follows: The clothes and suds being placed within the body portion of the machine and the lid carrying the pounder closed, a vertical movement may be imparted, as well as a partial rotary movement, to the shaft carrying the pounder, and on the upward movement of the pounder the check-valve will open and allow air to enter through the top of the hollow shaft and to pass down into the cups forming the pounder, and on the downward movement of the shaft the check-valve will seat, and the air contained within the cups may be forced through the clothing and serve to thoroughly agitate the water and cleanse the clothes. In this up-and-down and rotary movement of the pounder forcing the air through the fabrics and by the peculiar shape of the walls of the machine having the corners with apertures therein a violent agitating motion is imparted to the water and creating a strong circulation of the same through the fabrics being washed.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A washing-machine having an angular body portion with corners which flare laterally toward their upper ends and which are slightly inwardly inclined, angular tapering members B projecting from said corners, the upper ends of said members being flush with the upper edges of the side walls of the body

portion of the machine, the lower ends of said members being open and spaced a slight distance above the bottom of the body of the machine, and a pounder adapted to cause water to circulate through the perforations and ends of said members, as shown and described.

In testimony whereof we hereunto affix

our signatures in the presence of two witnesses.

ADOLPH AUGUST RULLMAN.
DAVID DOUGLASS RULLMAN.

Witnesses:

C. O. BATSON,
W. E. RULLMAN.