(No Model.)

W. P. RYLANDER.

CLOTHES POUNDER.

No. 589,399. Patented Aug. 31, 1897.

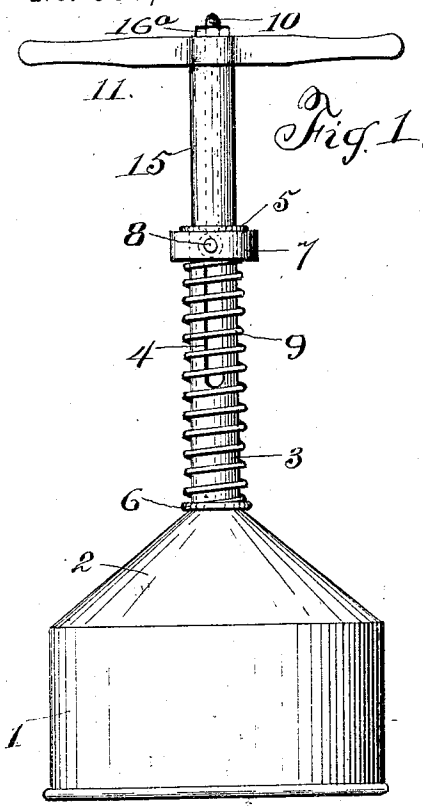


Fig. 1.

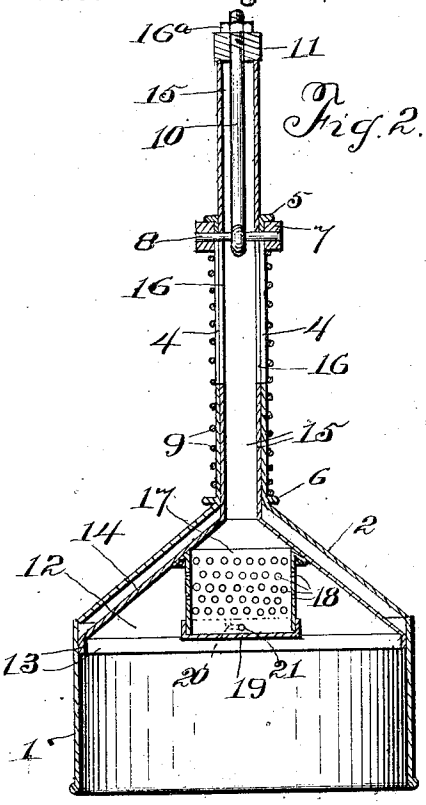


Fig. 2.

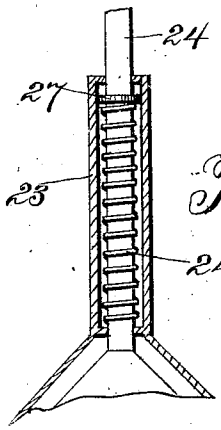


Fig. 3.

Witnesses
C. J. Belt.
John D. Stump

Inventor.
William P. Rylander
By W. H. Wills
Atty

UNITED STATES PATENT OFFICE.

WILLIAM P. RYLANDER, OF TEMPLE, TEXAS, ASSIGNOR TO THE HOT AIR WASHING MACHINE CO., OF SAME PLACE.

CLOTHES-POUNDER.

SPECIFICATION forming part of Letters Patent No. 589,399, dated August 31, 1897.

Application filed January 5, 1897. Serial No. 618,022. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. RYLANDER, a citizen of the United States, residing at Temple, in the county of Bell and State of Texas, have invented certain new and useful Improvements in Washing-Machines; and I 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.

This invention relates to the class of laundry, and particularly to a clothes-washer adapted to be immersed with the clothes and proper amount of hot or cold water in a suitable washtub or other vessel ordinarily used in washing clothes.

A further object of the invention is to provide an automatic clothes washer and soaper whereby the clothes are soaped and cleansed by one and the same operation.

A still further object of the invention is to provide a simple, durable, and inexpensive clothes-washer of such novel and peculiar construction that the parts thereof may be readily separated for convenience in cleansing such parts and to be packed for transportation and storing.

The invention consists in the novel construction and arrangement of parts, as will be hereinafter more fully described, and set up in the appended claims.

In the accompanying drawings, forming part of this application, Figure 1 is an elevation of my improved soaper and washer. Fig. 2 is a central vertical section thereof. Fig. 3 is a section of a modification.

The same numeral references denote the same parts throughout the several figures of the drawings.

The cylinder 1 has an open bottom and a conical top 2, provided with a sleeve 3, having a slot 4 upon opposite sides, a cap 5, and a bottom rim 6. A slidable collar 7 is secured upon the sleeve 3 by a pin 8, extending through the said slots 4. A spiral spring 9 surrounds the sleeve 3, one end of which engages the rim 6 and the other end the cap 5. A rod 10, having a hooked engagement with the pin 8, carries a handle 11, or a suitable lever may be attached. A plunger 12, having an open bottom, is provided with a flange 13, fitting closely the sides of the cylinder 1, and a conical top 14. Extending upward from the apex of the cone-top 14 is a hollow bar or tube 15, which reaches to the handle 11 and is provided upon opposite sides with a slot 16, similar to and registering with the slot 4. The rod 10 is inclosed by this tube 15 and firmly connects the latter with the said handle by means of a nut 16^a.

Depending inward and downward from the cone-top 14 is the soap receptacle or vessel 17, having a series of apertures 18 and a removable bottom 19, provided with L-shaped slots 20, adapted to be engaged by the lugs or projections 21 on the sides of the receptacle to lock the bottom in place.

Referring to the modification shown in Fig. 3, the sleeve 23 and tube 24 are without slots and the spiral spring 24^a is inclosed by the said sleeve and has one end resting on the bottom of the sleeve 23 and the other end engaging a flange 27 of the tube, thus housing the spring and accomplishing the same results as in the preferred form.

In the operation of the soaper and washer the cylinder 1 is pushed into the tub or other vessel containing articles to be washed and the handle operated to oscillate the plunger back and forth, which forces the water through said articles and at the same time thoroughly soaps them, for a sufficient amount of water is admitted into the vessel containing soap to make suds, and the latter is sprayed out through the apertures 18. In this operation it will be observed that no pressure is required to make the upward stroke of the plunger, as the spring performs this function.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a clothes washer and soaper, the combination with the cylinder having a sleeve projecting from its top, of an open-bottom imperforate plunger having a tube projecting from its top through the sleeve, and provided with a handle, and a soap-receptacle having an imperforate top and bottom and depending from the inside top of the plunger, and provided with a series of side apertures.

2. The combination with a cylinder having

a cone-shaped top, and a sleeve projection integral with the top, of an open-bottom imperforate plunger inclosed by the cylinder and having a cone-shaped top, and a tubular projection integral with the said top and projecting through the sleeve, and an operating-handle secured to the said tube and a soap-receptacle depending from the inside top of the plunger, and having a series of side apertures, and side pins, and a solid removable bottom provided with L-shaped slots, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM P. RYLANDER.

Witnesses:
S. B. ALEXANDER,
W. R. TYLER.