

W. C. ELLIS.
CLOTHES POUNDER.
APPLICATION FILED MAR. 2, 1914.

1,127,606.

Patented Feb. 9, 1915.

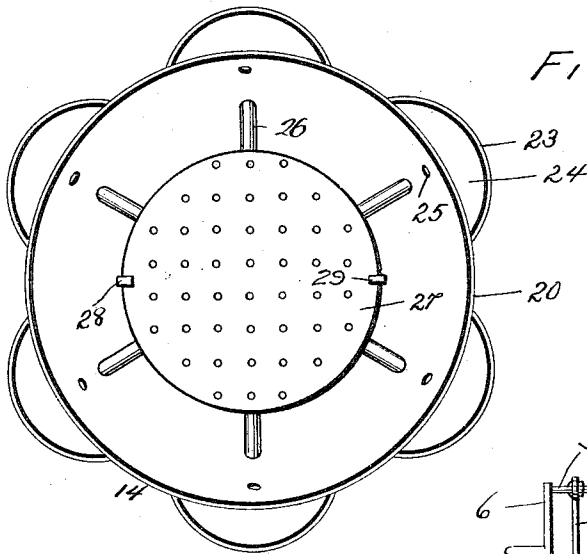


Fig. 1.

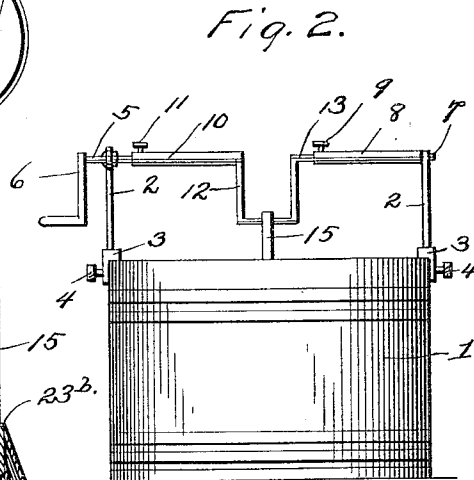
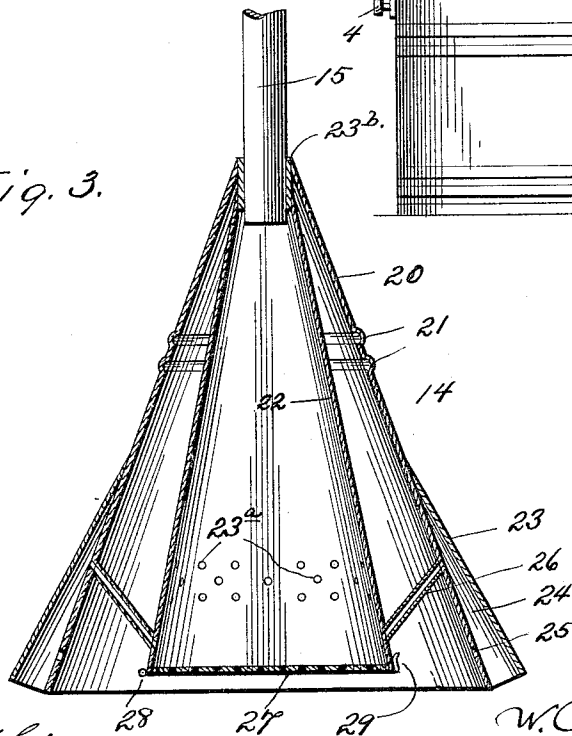


Fig. 2.

Fig. 3.



Inventor

Witnesses

C. Duff
M. W. Skipwith

W. C. Ellis,

By *James H. Slocum & Co.*, Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM C. ELLIS, OF VICTORIA, VIRGINIA.

CLOTHES-POUNDER.

1,127,606.

Specification of Letters Patent.

Patented Feb. 9, 1915.

Application filed March 2, 1914. Serial No. 821,915.

To all whom it may concern:

Be it known that I, WILLIAM C. ELLIS, citizen of the United States, residing at Victoria, in the county of Lunenburg and State of Virginia, have invented new and useful Improvements in Clothes-Pounders, of which the following is a specification.

My present invention pertains to clothes pounders.

The object of the invention is the provision of a clothes pounder embodying such construction that it is adapted to retain soap, and is also adapted to maintain the circulation of water in contact with the soap and otherwise accelerate the cleansing of the clothes on which it is used.

Other advantageous characteristics of the invention will be fully understood from the following description and claim when the same are read in connection with the drawings, accompanying and forming part of this specification, in which:

Figure 1 is an inverted plan view of my novel clothes pounder. Fig. 2 is an elevation of the novel machine in which the pounder is employed. Fig. 3 is a vertical, diametrical section of the pounder.

Similar numerals designate corresponding parts in all of the views of the drawings.

The tub 1, Fig. 2, may be and preferably is of conventional type, and on the same at diametrically opposite points are two metallic uprights 2, the said uprights having bifurcated lower end portions 3 that straddle the upper edge of the tub wall, and are detachably fixed thereon by set screws 4. Journaled and held against endwise movement in one of the uprights 2 is a shaft section 5, having a crank 6, and journaled in the other upright 2 is the reduced end 7 of a tubular shaft section 8, equipped with a set screw 9. A tubular shaft section 10 receives the inner portion of the shaft section 5 and is adjustably fixed thereto by a set screw 11. At its inner end the tubular section 10 is provided with a crank 12, and the said crank, in turn, merges into a shaft portion 13 that is adjustably fixed by the set screw 9 in the tubular shaft section 8.

It will be manifest from the foregoing that the uprights 2 may be positioned at various distances apart to suit the actuating mechanism described to tubs of different diameters; and it will also be manifest that when the crank 6 is rotated, the pounder 14 will be rapidly reciprocated by reason of the

stem or handle 15 of the pounder being pivotally connected to the crank 12. It will further be understood that when the pounder 14 is reciprocated, steam and suds will be forced through the clothes and the thorough cleansing thereof will be quickly brought about.

As will be observed by comparison of Figs. 1 and 3, my novel pounder comprises an outer cone-shaped wall 20 which is preferably beaded at 21, and an inner cone-shaped wall 22, perforated at 23^a, and suitably fixed at its upper end to the wall 20, as through the medium of a sleeve 23^b which receives the wooden handle 15, and is connected thereto by frictional contact or other suitable means. The pounder walls 20 and 22 are preferably of sheet-metal, and on the outer side of the wall 20 at the lower end thereof are walls 23, preferably of sheet-metal, which form compartments 24 that are open at their lower ends. These compartments 24 are connected through apertures 25 in the wall 20 with the chamber formed by said wall 20, and are also connected through tubes 26 with the inner chamber formed by the wall 22. Thus it will be manifest that on the downstroke of the pounder, the water, suds, etc., trapped in the compartments 24 will be jetted through the apertures 25, and the tubes 26, and will be driven under considerable head through the pounder and the clothes that are being washed.

The chamber formed by the wall 22 in the center of the pounder is designed to receive soap, and its lower end is normally closed by a foraminous door 27, hinged at 28 to the wall 22, and designed to be detachably secured in a closed position by a fastener 29. When the said door 27 is opened, soap may be placed in the central chamber of the pounder, and when said door is closed, the soap will be retained in said chamber, and this without interfering with the operation of the pounder and the forcing of water through the central chamber and in contact with the soap.

It will be noticed that in addition to serving as conduits, the tubes 26 operate as braces to hold the walls 20 and 22 in spaced relation, and to lend stiffness and strength to the pounder as a whole.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

The herein described clothes pounder, com-

prising an outer cone-shaped wall having apertures adjacent its lower end; an inner cone-shaped wall fixed with respect to the outer wall and spaced therefrom and forming a soap-receiving chamber and having apertures connecting said chamber with the space between the outer wall and the inner wall; a foraminous door at the lower end of said chamber to retain soap therein; means for detachably securing said door in a closed position; walls secured on the outer side of the lower portion of the outer cone-shaped wall and forming compartments that extend to the lower end of said wall and are

open at their lower ends and are arranged in communication with thesecond-named apertures; and tubes interposed between and connecting the outer and inner cone-shaped walls and effecting communication between the said compartments and the soap-receiving chamber. 15 20

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM C. ELLIS.

Witnesses:

J. H. HAMMOCK,

C. H. HALEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."