

M. J. BAKER & V. M. PIERCE.
CLOTHES POUNDER.
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957,298.

Patented May 10, 1910.

Fig. 1.

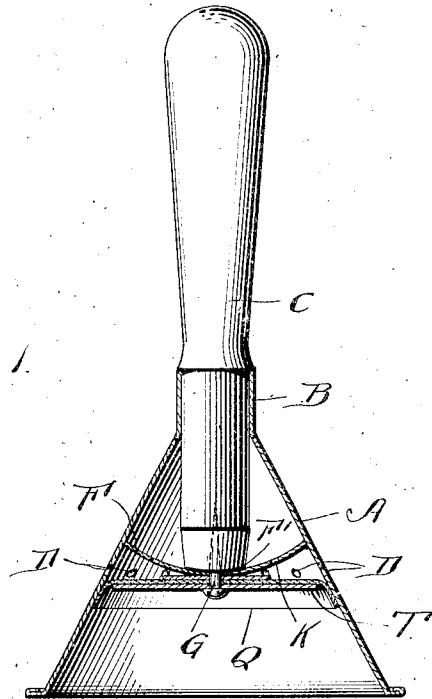
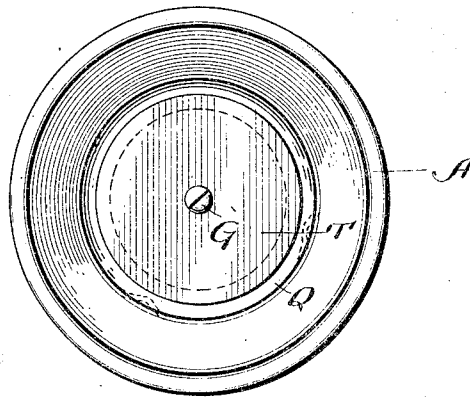


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

MANUEL J. BAKER AND VALENTINE M. PIERCE, OF BUFFALO, NEW YORK.

CLOTHES-POUNDER.

957,298.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, MANUEL J. BAKER and VALENTINE M. PIERCE, citizens of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Clothes-Pounders; 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 clothes pounders for laundry purposes and comprises a simple and efficient device of this nature having various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

The invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a longitudinal sectional view centrally through the pounder, and Fig. 2 is a bottom plan view.

Reference now being had to the details of the drawings by letter, A designates the funnel shaped member having a tubular shank portion B which is adapted to receive the handle C. Said member A is provided with a series of circumferential apertures D about midway the height of said member and immediately below a transverse oval-shaped partition F. Said partition F has a central aperture F' through which a screw G passes and which is adapted to engage the inner end of the handle C. Said partition is also provided with a series of small apertures K formed therein about the inner end of the handle.

Q designates a flexible diaphragm made preferably of rubber or any other suitable material and which is centrally apertured for the reception of a screw, and T designates a plate which is apertured to receive the screw and which is adapted to bear against said diaphragm to support the same. Said plate is adapted to hold the diaphragm against the outer oval-shaped end of said transverse partition. It will be noted that the diameter of said diaphragm is greater than that of the plate which holds the same against the outer end of said partition and

the portion of the diaphragm which projects beyond the marginal edge of the plate T is adapted to close the opening intermediate the marginal edge of the plate and the inner surface of the funnel shaped member.

The operation of the device will be readily understood and is as follows:—When the funnel-shaped member is pushed downward, the flexible edge of the diaphragm will be forced against the inner surface of the funnel-shaped member, closing the space intermediate the marginal edge of the plate and the surface of the funnel-shaped member and also covering the series of apertures formed in the member below said partition, thus causing air and washing solution underneath the partition to be forced through the fabrics being cleansed and, upon a reverse movement of the member or tilting the same, a suction will be produced which will cause a partial vacuum to be formed below the partition and which will allow air and water to be drawn through the series of apertures and about the marginal edge of the flexible diaphragm in the space below the partition. By a rocking or an up and down movement of the plunger, it will be noted that a circulation of water and air may be forced through the articles being cleansed, thus having a tendency to thoroughly clean the same.

What we claim to be new is:—

1. A suction pounder for laundry purposes comprising a funnel-shaped member having a series of apertures in the wall thereof, an oval-shaped apertured partition mounted within said member, a handle to the latter, a flexible diaphragm fixed within the member and positioned a slight distance below the outer marginal edge of said partition, a fixed plate engaging said diaphragm and having a space intervening between the marginal edge of the latter and the inner surface of the funnel-shaped member, which space is closed by the diaphragm; as set forth.

2. A suction pounder for laundry purposes comprising a funnel-shaped member having a series of apertures in the wall thereof, an oval-shaped apertured partition mounted within said member, a handle passing through the shank portion of the funnel-shaped member and fastened to the inner concave face of the oval-shaped partition, a screw passing through said partition and engaging the end of the handle, a flexible

diaphragm mounted upon the shank portion
of said screw, a plate also mounted upon
said screw and bearing against the outer
face of said diaphragm, the diameter of
said plate being less than the diameter of the
diaphragm and the outer peripheral portion
of the latter being adapted to bear yield-
ingly against the inner inclined wall of the
funnel shaped member.

In testimony whereof we hereunto affix 10
our signatures in the presence of two wit-
nesses.

MANUEL J. BAKER.
VALENTINE M. PIERCE.

Witnesses:

LOUIS G. COLLARD,
GEO. KARBACH.