

C. H. MALLORY.
 WASHING MACHINE.
 APPLICATION FILED APR. 6, 1909.

945,131.

Patented Jan. 4, 1910.

Fig. 1.

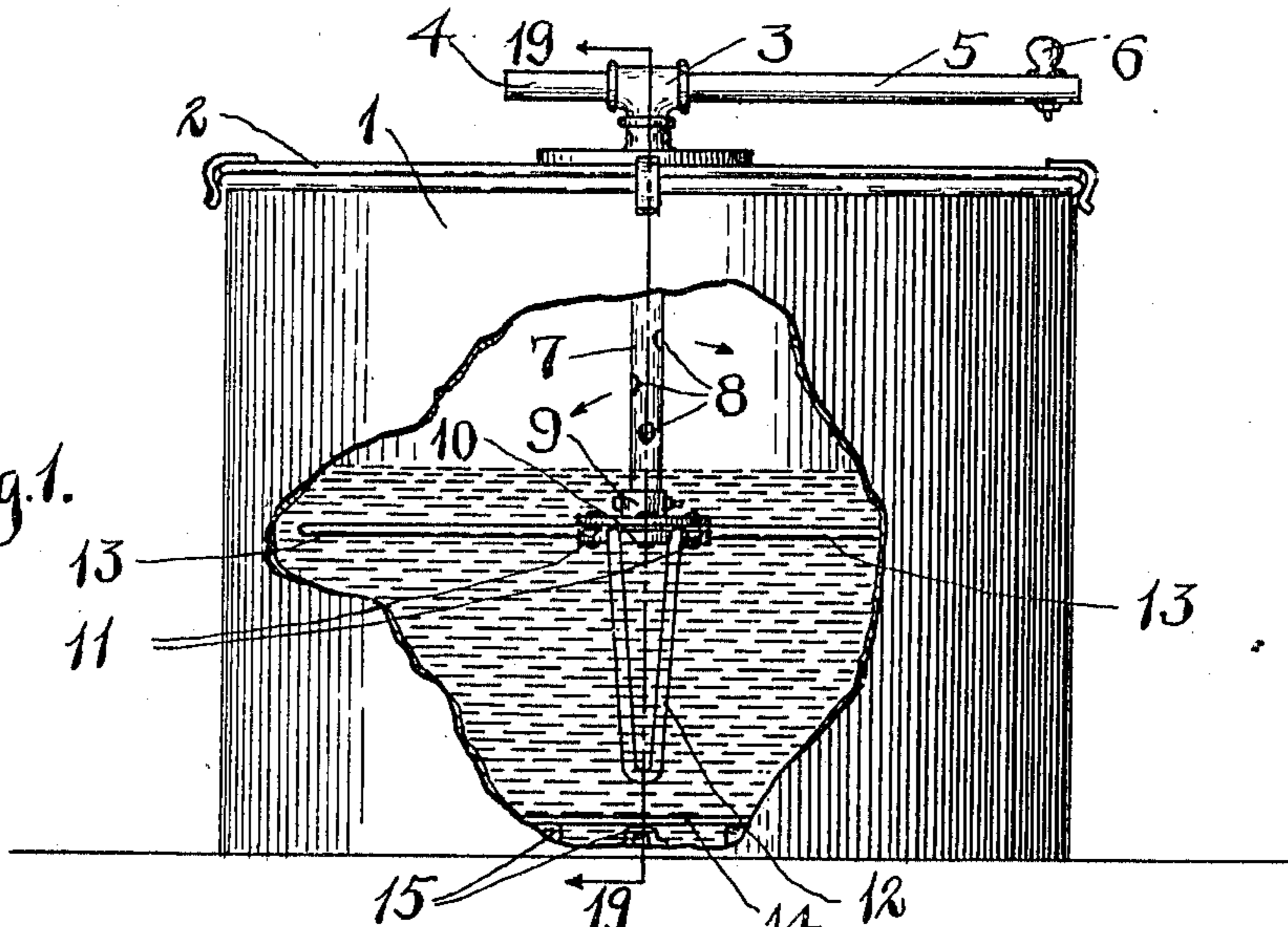


Fig. 2.

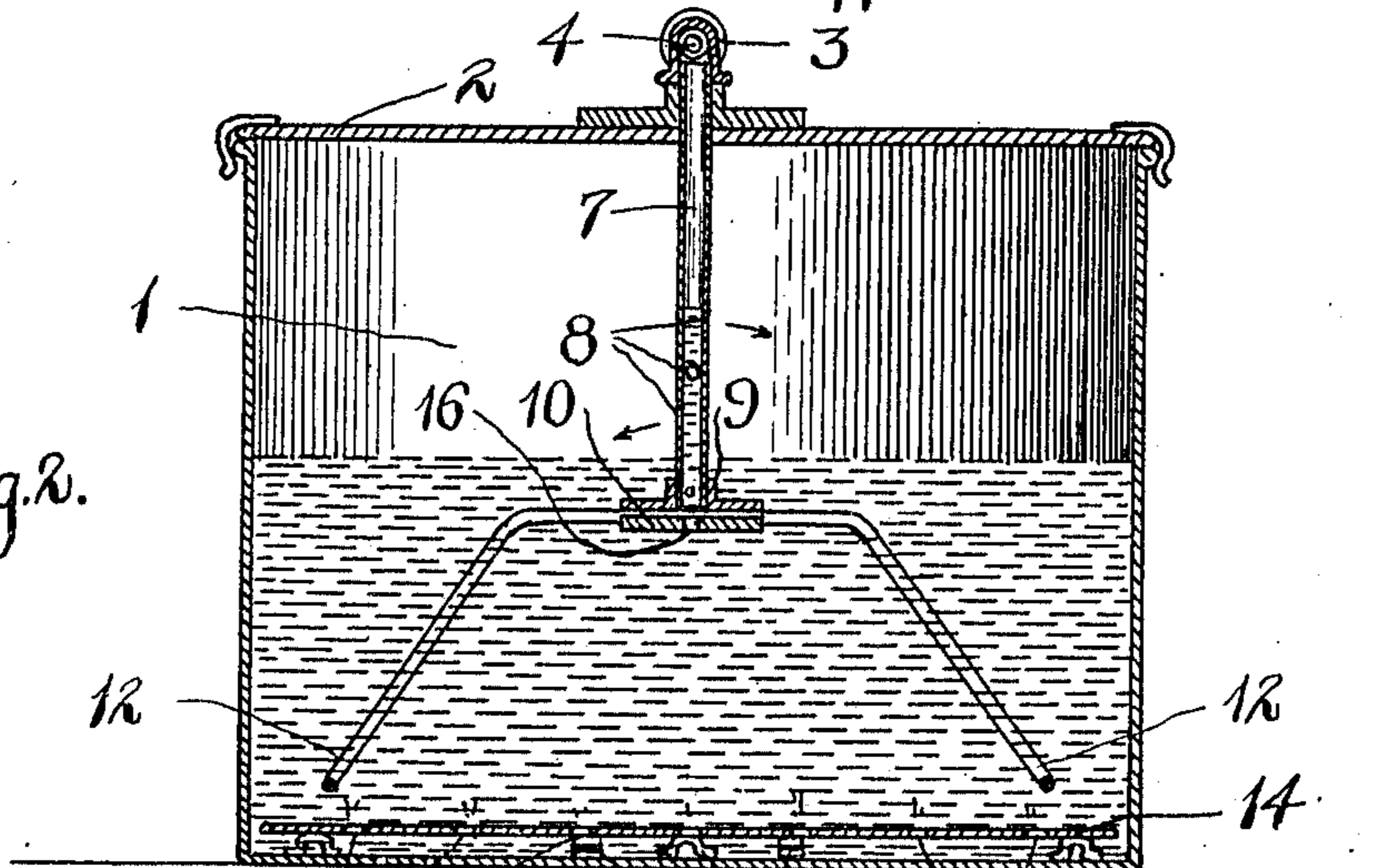
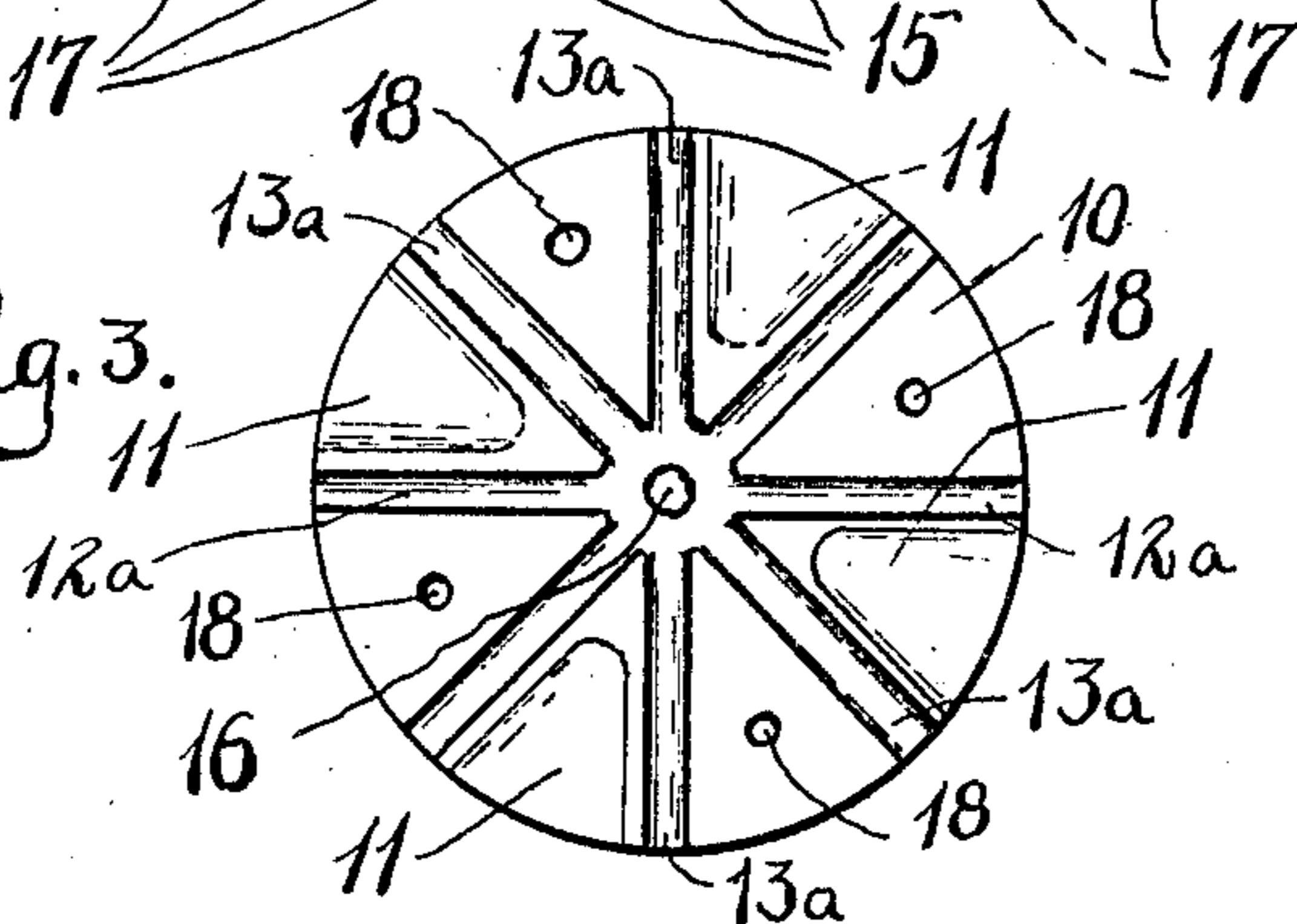


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES H. MALLORY, OF GARRETTSVILLE, OHIO.

WASHING-MACHINE.

945,131.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES H. MALLORY, a citizen of the United States, residing at Garrettsville, in the county of Portage and State of Ohio, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

My invention relates to washing machines, and my object is to provide a novel and highly efficient washer especially adapted for family use, but which may be employed for general laundry purposes.

In the accompanying drawings, which illustrate my invention and form a part of this specification, Figure 1 is a side elevation of my improved machine, centrally broken away to show the interior thereof. Fig. 2 is a central vertical sectional view taken therethrough, and, Fig. 3 is a plan view of the inner face of the clamping plate to be hereinafter described.

In the embodiment of my invention, as shown, I provide a cylindrical receptacle 1, having upon its base a plurality of upstanding brackets 15, supporting a sub-base 14, provided with a plurality of apertures 17. The receptacle 1, has also a top plate 2, provided with a central opening through which the vertical pipe 7, extends downwardly to a point substantially centrally of said receptacle, and is secured at its lower extremity to a face plate 9.

A clamping plate is secured in face to face engagement with face plate 9, by fastening means extending through openings 18, in the former and engaging with the latter. As shown in Fig. 3, the clamping plate 10, is provided in its inner face with a plurality of radial slots 12^a and 13^a, around its central opening 16, communicating with the bore of the vertical pipe 7. Radial slots 12^a and 13^a receive the extremities of the out-
standing U-shaped rods 12 and 13, the former of which extends diametrically at right angles to the latter, and are bent downwardly and angularly to points slightly above the sub-base 14.

The vertical pipe 7, as shown, is provided with a series of perforations 8, above the face plate 9, and is connected at its upper outer end, by means of a T-coupling 3, to pipes 4, and 5, extending horizontally, and in diametrically opposite directions therefrom, said pipe 4 being relatively short

and communicating with the bore of pipe 7, to permit of the exhaust of superfluous steam from the receptacle 1, while pipe 5 extends to the edge of the receptacle, and is provided with an upstanding handle 6, whereby the vertical pipe 7 and rods 12 and 13, may be rotated within the receptacle 1.

The operation is as follows, water being introduced into the receptacle 1, to a height above the face plate 9, and the clothes placed within the water and resting upon the sub-base 14, being thus prevented from actual contact with the heated receptacle base, which, it is understood, is placed over a suitable flame or fire. The initially heated water below sub-base 14, rises through the apertures thereof, and, together with the heated water rising through the lower end of pipe 7, and falling out through its apertures 8, causes a steady circulation of water through the clothes, which greatly assists in cleansing the same. At the same time the pipe 7, is being rotated, by pipe 5 and its handle, and the clothes are being stirred around by the rods or stirring arms 12 and 13. The superfluous steam, as before stated, escapes through pipes 7 and 4.

Having thus described my invention, what I claim is:

1. In a washing machine, the combination of a receptacle, a closure therefor having a central opening, a pipe depending through said opening and provided with a series of apertures therein, stirring arms carried by the lower end of said pipe, and pipes connected to the upper, outer end of said depending pipe, one of said last named pipes having a handle, and the other of said pipes communicating with said depending pipe to convey superfluous steam from said receptacle.

2. In a washing machine, the combination of a receptacle, a closure therefor having a central opening, a rotatable member depending through said opening having a plate secured upon its lower extremity, a clamping plate opposing, and secured to, said first named plate, and a plurality of radially out-
standing stirring rods having their inner ends secured between said plates, alternate ones of said rods extending horizontally in a plane with said plates, and alternate ones thereof being bent angularly and downwardly.

3. In a washing machine, the combination of a receptacle, having a plurality of up-standing brackets upon its base, a plate disposed upon said brackets, forming a sub-base
5 and provided with a plurality of apertures, a closure for said receptacle having a central opening, a tubular rotatable member depending through said opening and provided with a plurality of apertures therein, stirring
10 arms carried by the inner end of said member, and pipes connected to the outer end of said member, one of said pipes having a handle, and the other of said pipes communicating with said member to convey superfluous
15 steam from said receptacle.

4. In a washing machine, the combination of a receptacle having a plurality of up-standing brackets upon its base, a plate disposed upon said brackets, forming a sub-
20 base and provided with a plurality of apertures, a closure for said receptacle having a central opening, a tubular rotatable member depending through said opening and provided with a plurality of apertures, a handle carried by the outer end of said member,
25 a face plate secured upon the inner end of said member, a clamping plate opposing, and secured to, said first named plate, and a plurality of radially outstanding stirring
30 rods having their inner ends secured be-

tween said plates, certain of said rods being bent angularly and downwardly.

5. In a washing machine, the combination of a receptacle having a plurality of up-standing brackets upon its base, a plate dis- 35 posed upon said brackets, forming a sub-base and provided with a plurality of apertures, a closure for said receptacle having a central opening, a tubular rotatable member depending through said opening and pro- 40 vided with a plurality of apertures, pipes connected to the upper outer end of said depending tubular member, one of said pipes having a handle, and the other of said pipes communicating with said depending pipe to 45 convey superfluous steam from said receptacle, a face plate secured upon the inner end of said member, a clamping plate opposing, and secured to, said first named plate, 50 and a plurality of radially outstanding stirring rods having their inner ends secured between said plates, certain of said rods being bent angularly and downwardly.

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

CHARLES H. MALLORY.

Witnesses:

A. M. CLINE,
W. E. AGLER.