

No. 874,079.

PATENTED DEC. 17, 1907.

H. ISERMAN.
WASHING MACHINE.
APPLICATION FILED MAR. 29, 1907.

Fig. 1.

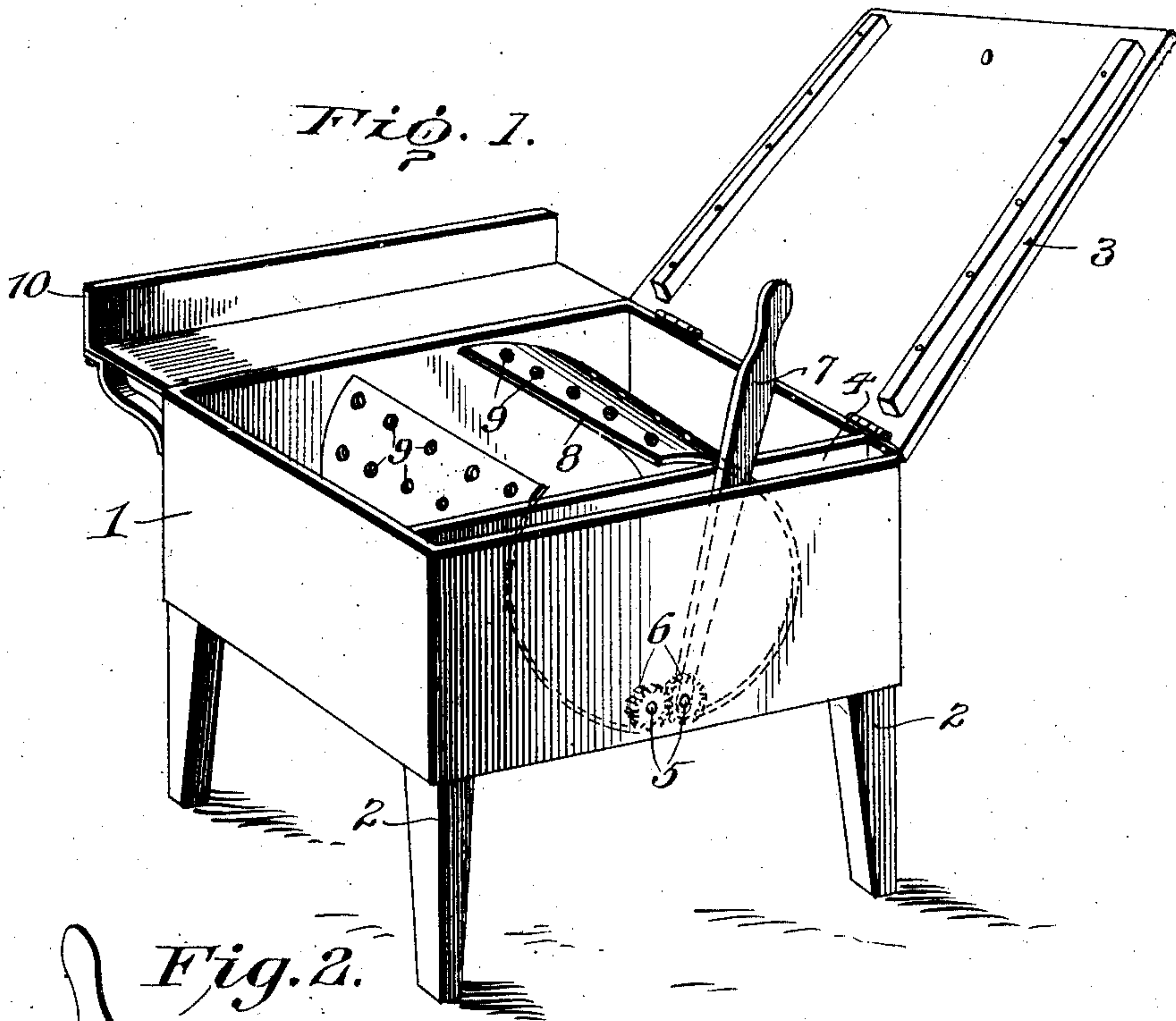


Fig. 2.

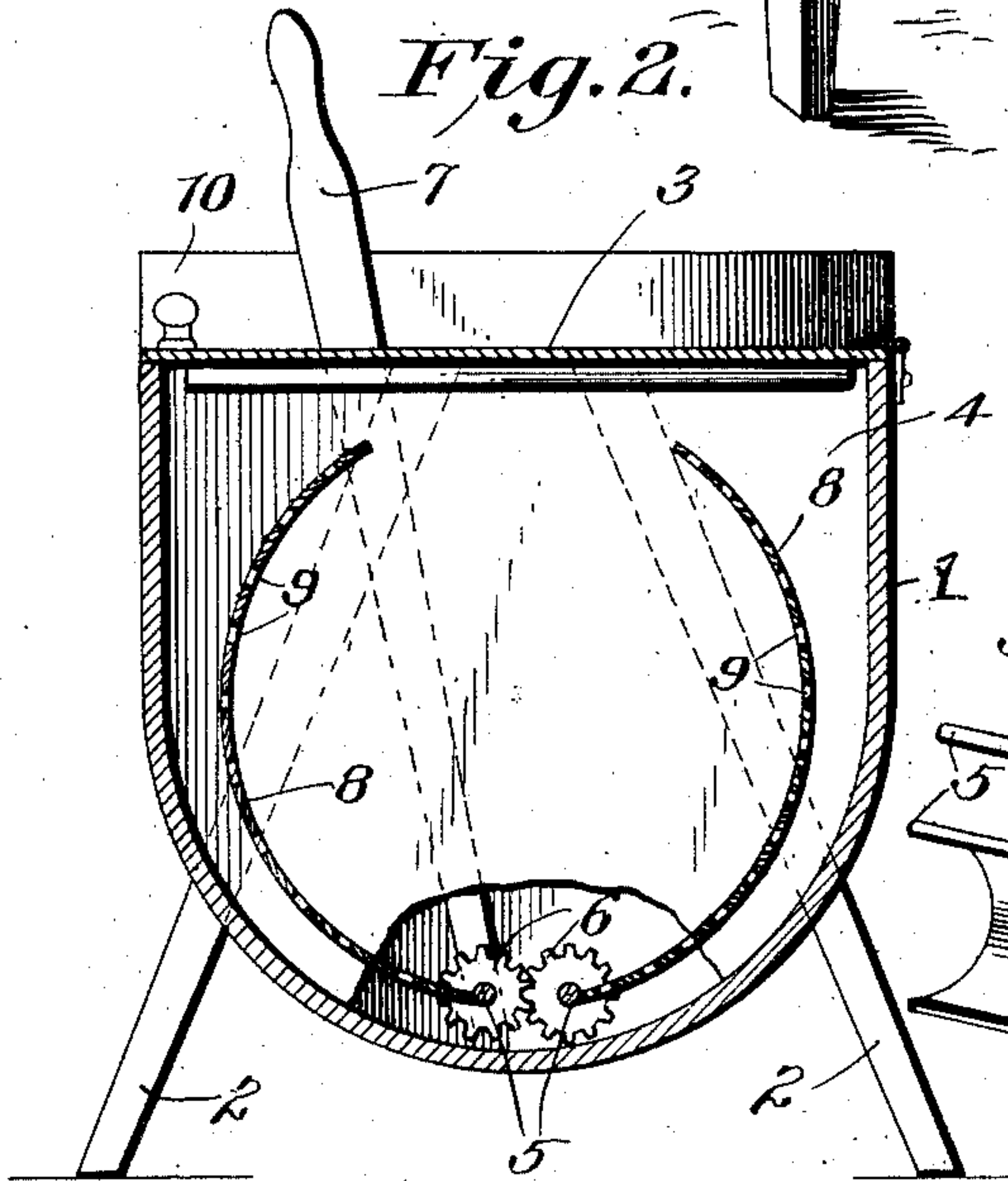
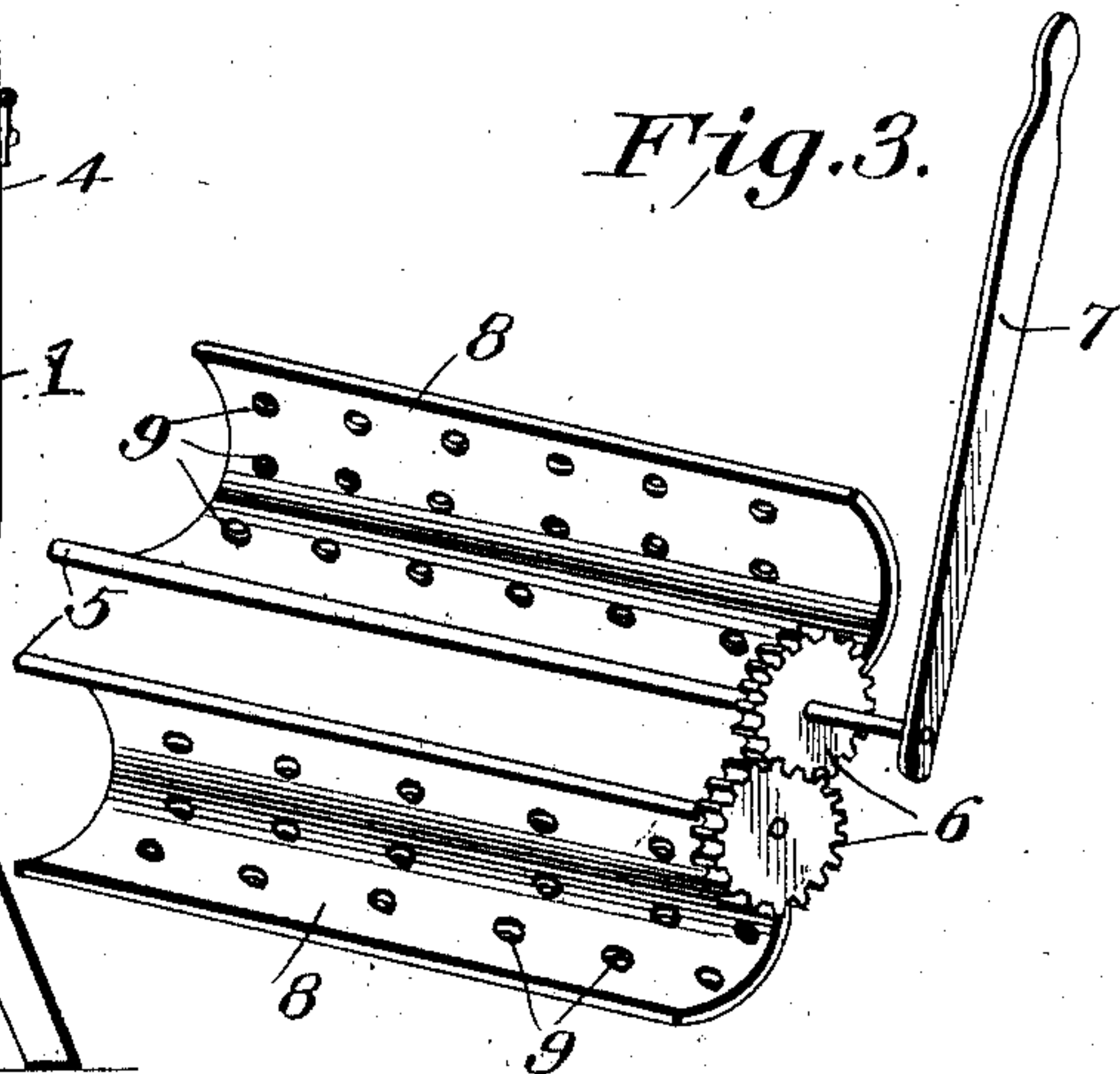


Fig. 3.



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UNITED STATES PATENT OFFICE.

HENRY ISERMAN, OF MORAN, KANSAS.

WASHING-MACHINE.

No. 874,079.

Specification of Letters Patent.

Patented Dec. 17, 1907.

Application filed March 29, 1907. Serial No. 365,362.

To all whom it may concern:

Be it known that I, HENRY ISERMAN, citizen of the United States, residing at Moran, in the county of Allen and State of Kansas, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

The present invention relates to certain new and useful improvements in washing machines and has for its object to provide a simple and efficient device of this character by means of which any dirt or stains can be easily and quickly removed from fabric or like material.

A further object of the invention is to design a washing machine comprising few and durable parts which are inexpensive in their construction and which can be readily assembled to produce the finished article.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a washing machine constructed in accordance with the present invention. Fig. 2 is a vertical sectional view showing a slight modification in which the tank is formed with a rounded bottom. Fig. 3 is a detail view of the presser blades and the lever for operating the same.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

In general the invention consists in the provision of a pair of pivoted and oppositely swinging presser members which operate within a suitable tank or reservoir to alternately squeeze and release the pressure upon the clothes, thereby agitating the water and causing the same to circulate through the fabric to remove any dirt from the same.

The tank or body portion of the washing machine is indicated at 1 and preferably has the bottom thereof curved so as to have an approximately semicircular formation. The opposite ends of the body portion 1 have the legs or standards 2 secured thereto by means of which the machine is supported in an elevated position and the said body portion 1 is provided with a cover 3 which is hinged to one side thereof and has a swinging movement. A partition 4 connects opposite sides of the interior of the body portion 1 and is

parallel to and slightly spaced from one of the ends thereof.

Extending longitudinally of the body portion 1 and journaled between opposite ends thereof are the spaced and approximately parallel shafts 5, the end portions of which extend within the space between the partition 4 and the end of the tank 1 and are provided with the intermeshing gear wheels 6. Connected to one of the shafts 5 and extending upwardly beyond the top of the tank 1 is an operating lever 7 which is designed to reciprocate back and forth within the space between the partition 4 and the end of the tank. It will thus be apparent that by reciprocating the lever 7 the two shafts 5 are caused to rotate in opposite directions. The two shafts 5 are preferably located at a point adjacent the bottom of the tank 1 and each carries a presser member 8 which in the present instance is in the nature of a blade which is curved inwardly to securely grip the clothes and is provided with the perforations 9 to facilitate the circulation of the water.

In the operation of the machine the fabric or clothes to be cleaned are placed between the two presser blades 8 and the operating lever 7 reciprocated back and forth in such a manner as to rotate the shafts 5 and swing the presser blades alternately toward and away from each other whereby the clothes are tightly compressed and released and the water thoroughly agitated and caused to circulate through the clothes in such a manner as to cleanse the same. If found desirable one end of the tank or body portion 1 may be formed with the projection 10 upon which a wringer may be clamped and held in a convenient position for operation upon the clothes as they are removed from the washing machine.

Having thus described the invention, what is claimed as new is:

1. In a washing machine, the combination of a tank, a pair of oppositely swinging presser blades which are curved toward each other, and means for operating the presser blades to alternately compress and release the clothes placed between the same.

2. In a washing machine, the combination of a tank, a pair of shafts journaled in the tank, intermeshing gearing carried by the shafts whereby the same are caused to turn in opposite directions, oppositely swinging presser blades carried by the shafts, and means for operating the shafts to alternately

compress and release any clothes placed between the presser blades.

3. In a washing machine, the combination of a tank, a partition arranged within the
5 tank and spaced from one of the sides thereof, a pair of shafts journaled within the tank, a presser blade carried by each of the shafts, and means mounted within the space between the partition and the side of the tank
10 for rotating the shafts and operating the presser blades to alternately compress and release any clothes placed between them.

4. In a washing machine, the combination of a tank, a partition arranged within the
15 tank and spaced from one of the sides thereof, a pair of shafts journaled within the tank, the ends of the shafts extending within the

space between the partition and the side of the tank, a presser blade carried by each of the shafts, intermeshing gearing carried by 20 the said ends of the shafts whereby the latter are caused to turn in opposite directions, and a lever operating within the space between the partition and the side of the tank for operating the shafts to alternately compress 25 and release any clothes placed between the presser blades.

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

HENRY ISERMAN. [L. s.]

Witnesses:

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