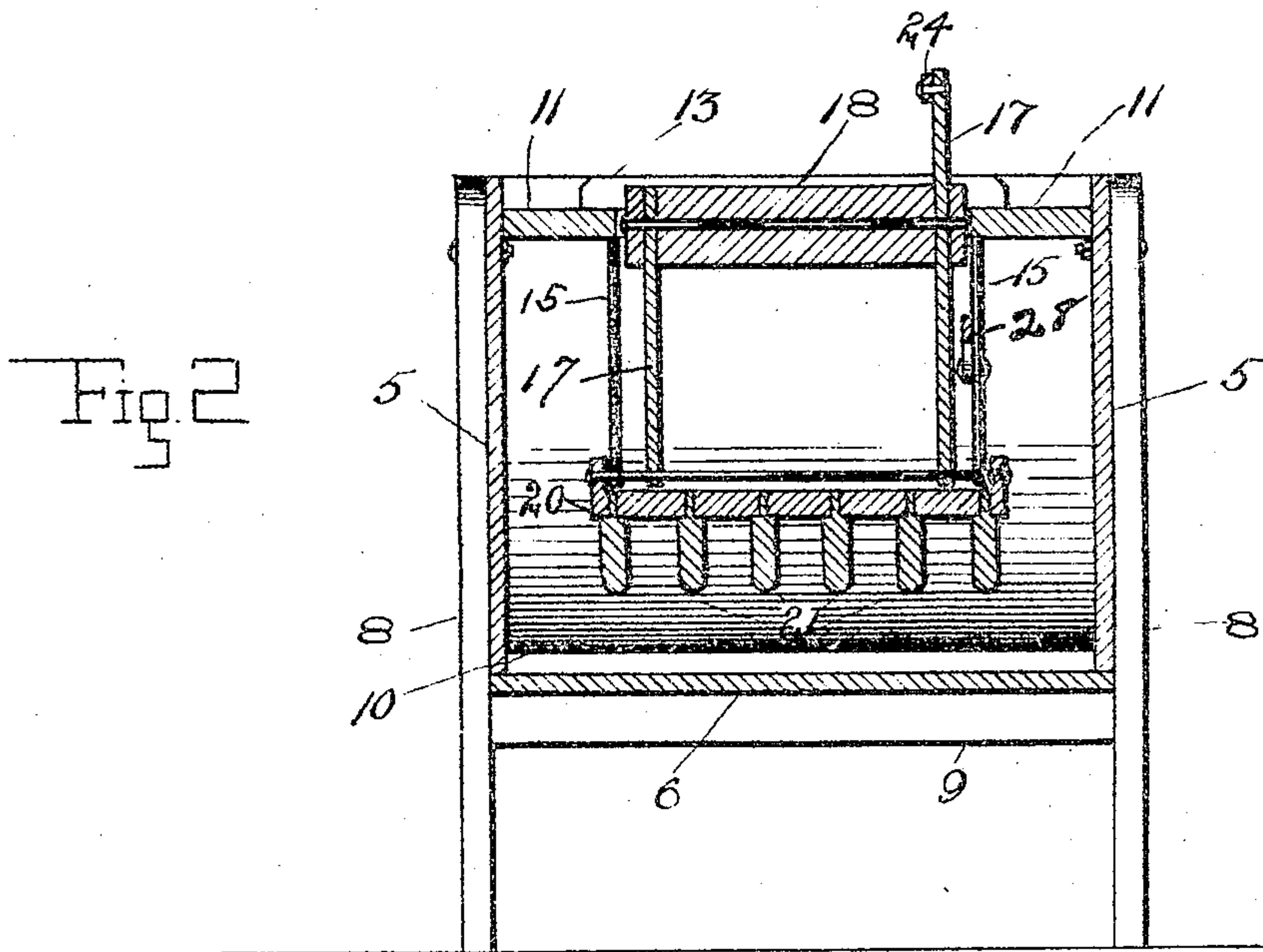
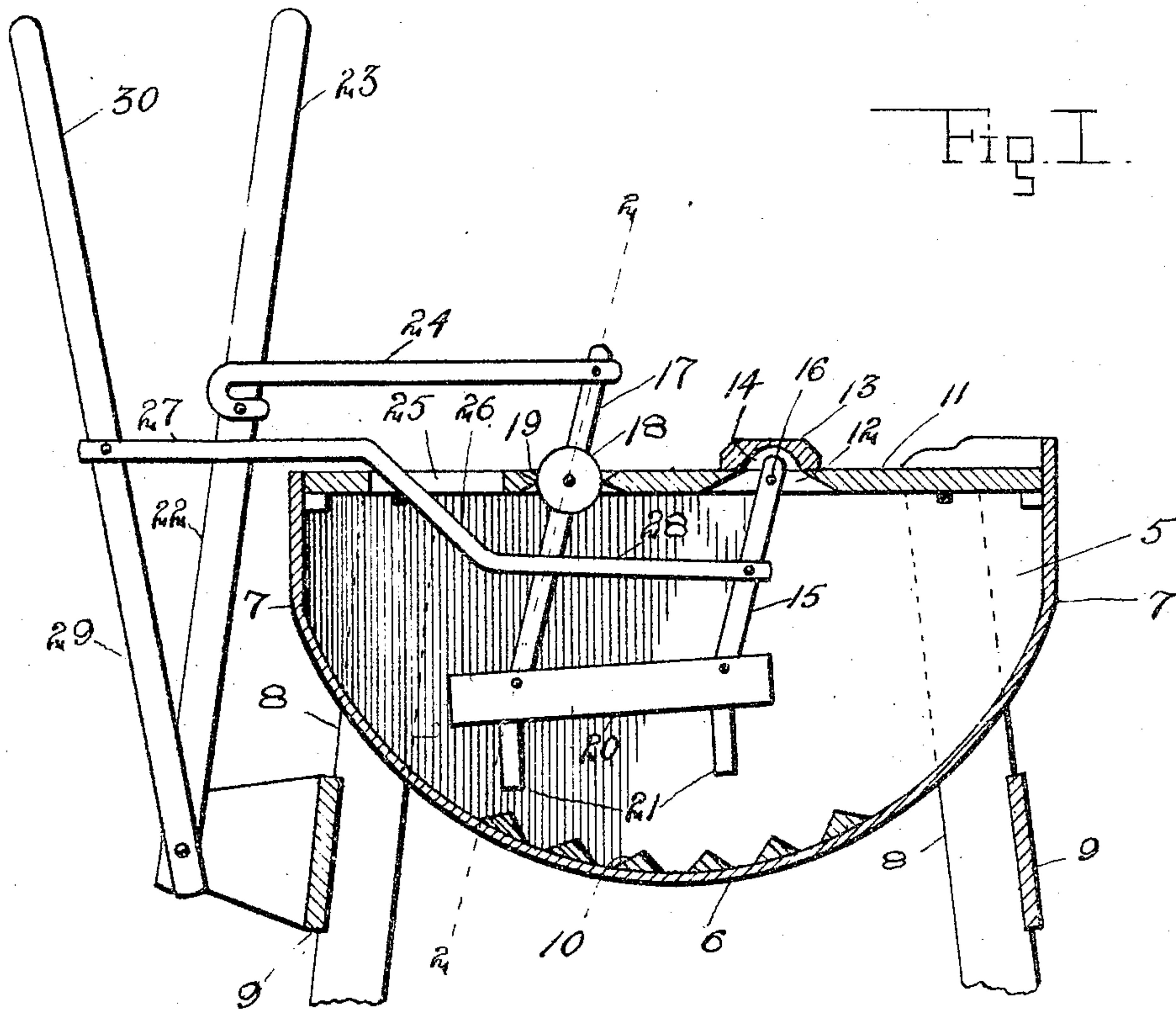


No. 792,456.

PATENTED JUNE 13, 1905.

G. W. RAY.  
WASHING MACHINE.  
APPLICATION FILED DEC. 1, 1904.



Witnesses  
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# UNITED STATES PATENT OFFICE.

GEORGE W. RAY, OF STERLING, KANSAS.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 792,456, dated June 13, 1905.

Application filed December 1, 1904. Serial No. 235,079.

*To all whom it may concern:*

Be it known that I, GEORGE W. RAY, a citizen of the United States, residing at Sterling, in the county of Rice, State of Kansas, have  
5 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 ap-  
10 pertains to make and use the same.

This invention relates to washing-machines, and has for its object to provide a machine including an oscillatory or swinging rubber provided with an arrangement of levers which  
15 will permit of the use of both hands of the operator, but in opposite directions, in the working of the machine.

Other objects and advantages of the invention have reference to details of structure and  
20 will be understood from the following description.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in both views,  
25 Figure 1 is a vertical section through the body of the washing-machine at one side of the rubber, the latter, with its levers, being shown in elevation. Fig. 2 is a section on line 2 2 of Fig. 1.

Referring now to the drawings, the present washing-machine comprises a body portion including sides 5, having curved lower edges, against which is secured the curved bottom 6, which terminates at the ends 7 of the body.  
35 Secured to the sides of the body are supporting-legs 8, having suitable cross-braces 9. The inner face of the bottom 6 is provided with slats 10, which presents a corrugated surface, upon which lie the materials to be washed.  
40 Upon the upper edges of the sides and ends of the body is disposed a top 11, through which is formed a passage 12, over which is secured a cap or cover 13, which has a cavity 14, into which the passage 12 leads and which  
45 accommodates the upper end of hangers 15, which are pivoted upon a bar 16, extending

transversely of the passage 12. Additional hangers 17 are provided and are passed through a cylindrical rock-bar 18, rockingly mounted in the opening 19 in the lid 11 and projecting  
50 above and below it.

Within the body of the machine is a rubber comprising a head 20, between the sides of which are pivoted the lower ends of the hangers 15 and 17, and from the head 20 project  
55 downwardly the fingers 21.

Pivotally mounted upon a block on one of the cross-braces of the legs of the churn is a lever 22, having a grip or handle 23 at its upper end, and pivoted to this lever is a pit-  
60 man 24, which is pivoted also to the upper end of one of the hangers 17, which projects above the rock-bar 18.

In the top or lid 11 of the washing-machine is formed a slot 25, through which is passed  
65 the downwardly-extending portion 26 of a pitman, which includes also the parallel portions 27 and 28, which extend in opposite directions from the upper and lower ends, respectively, of the portion 26. The free end  
70 of the portion 28 is pivoted to the hanger 15 within the body of the churn, while the free end of the portion 27 is pivoted to a second lever 29, pivoted also to the block on the brace of the machine and having a handle or  
75 grip 30 at its upper end.

With this construction it will be seen that by grasping the handles 23 and 30 and operating them in opposite directions the rubber  
80 20 will be oscillated within the body of the churn with the usual results. It will be noted that the portion 26 of the second pitman moves from end to end of the slot 25 as the rubber is swung.

What is claimed is—

A washing-machine comprising a body portion having supporting-legs provided with braces, a lid having a slot therein, a rubber within the body, hangers pivoted to the rubber and to the lid, one of said hangers pro-  
90 jecting above the lid, a pivoted lever, a pitman pivoted to the lever and to the upper



portion of the projecting hanger, a pitman  
pivoted to another hanger within the body  
and having an upwardly-extending portion  
passing through the slot of the lid and mov-  
5 able from end to end thereof, and a second  
pivoted lever connected to the outer end por-  
tion of the second pitman.

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

GEORGE W. RAY.

Witnesses:

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