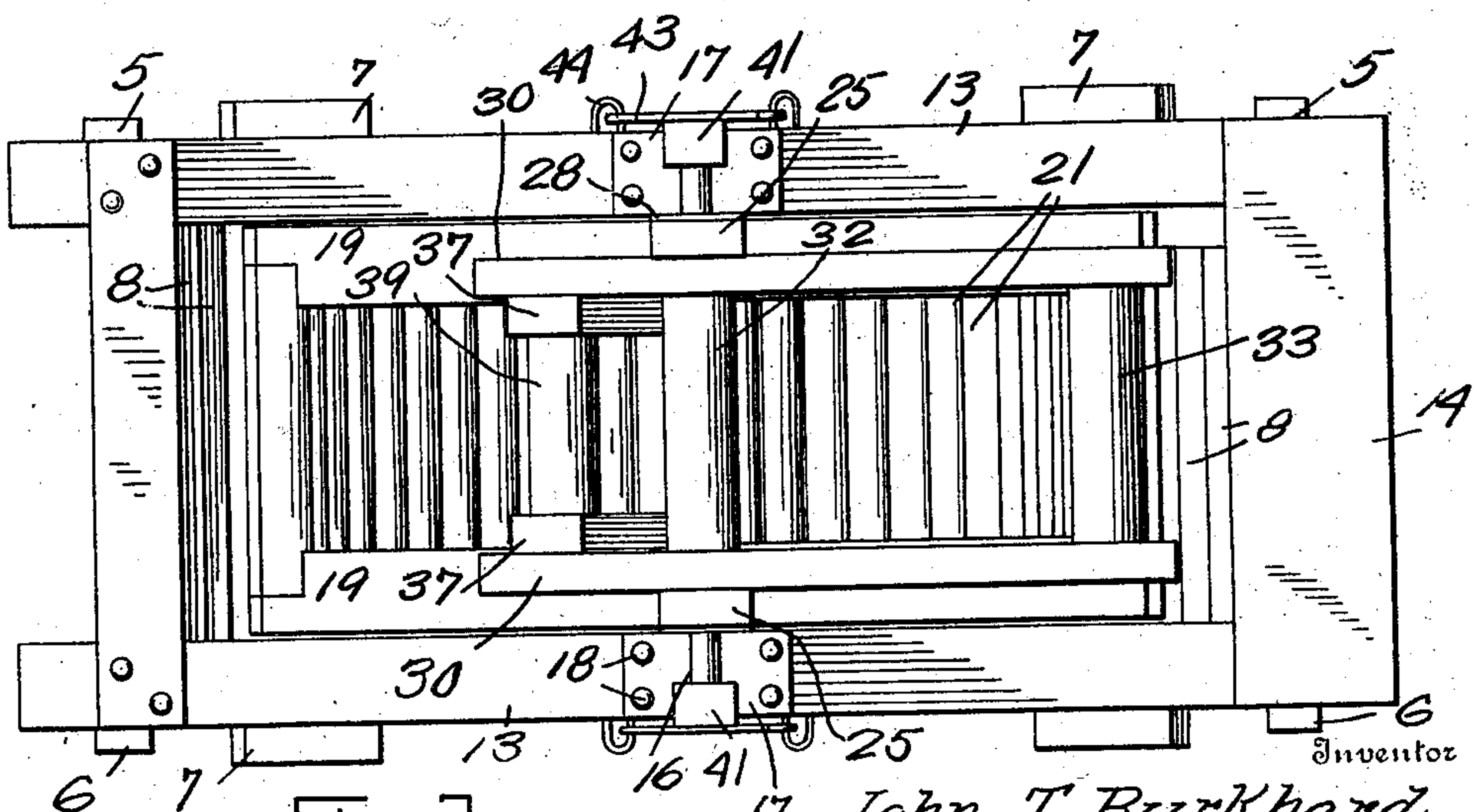
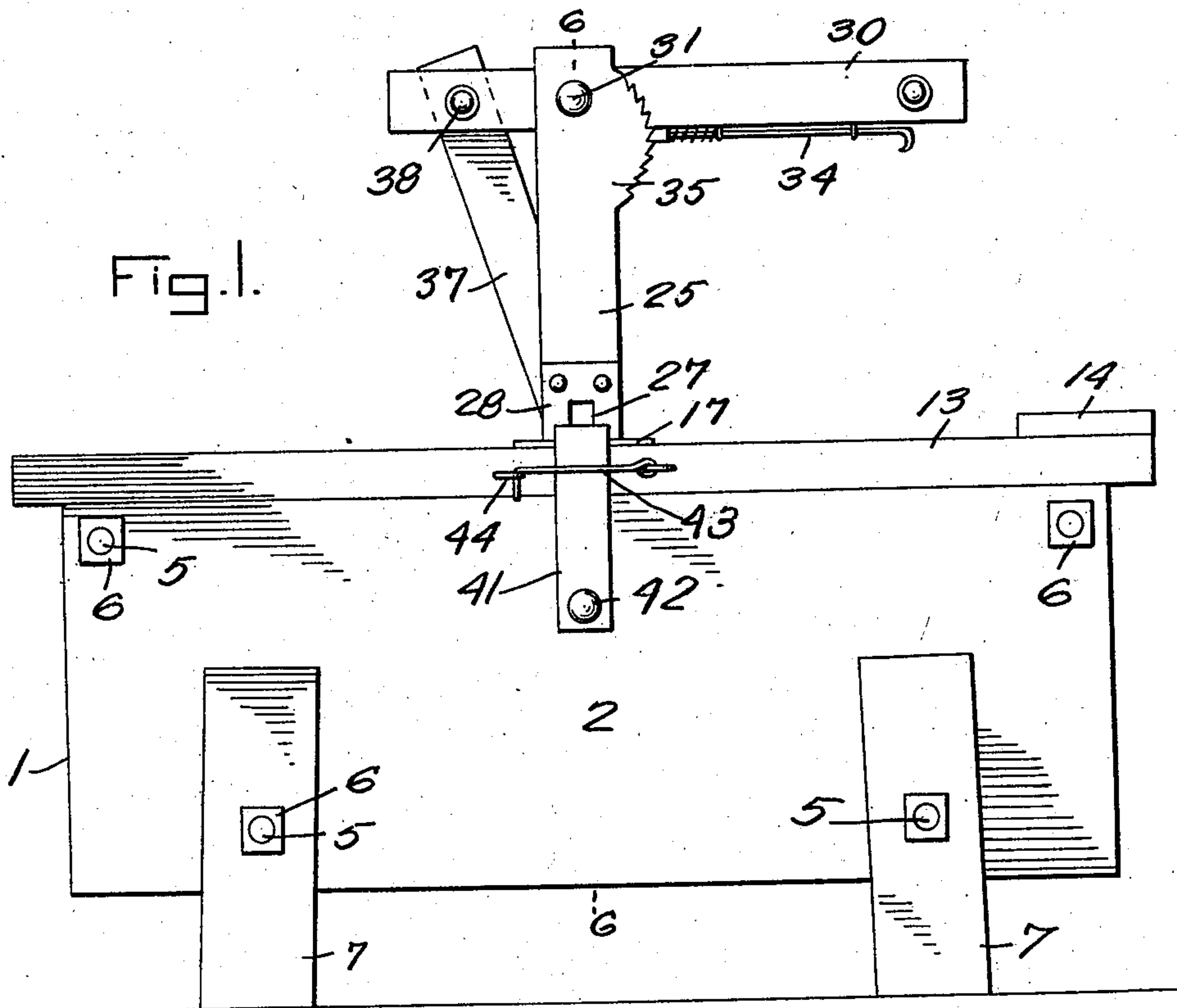


No. 889,657.

PATENTED JUNE 2, 1908.

J. T. BURKHARD.
WASHING MACHINE.
APPLICATION FILED MAY 16, 1907.

3 SHEETS—SHEET 1.



Witnesses

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By

Charles Chandler

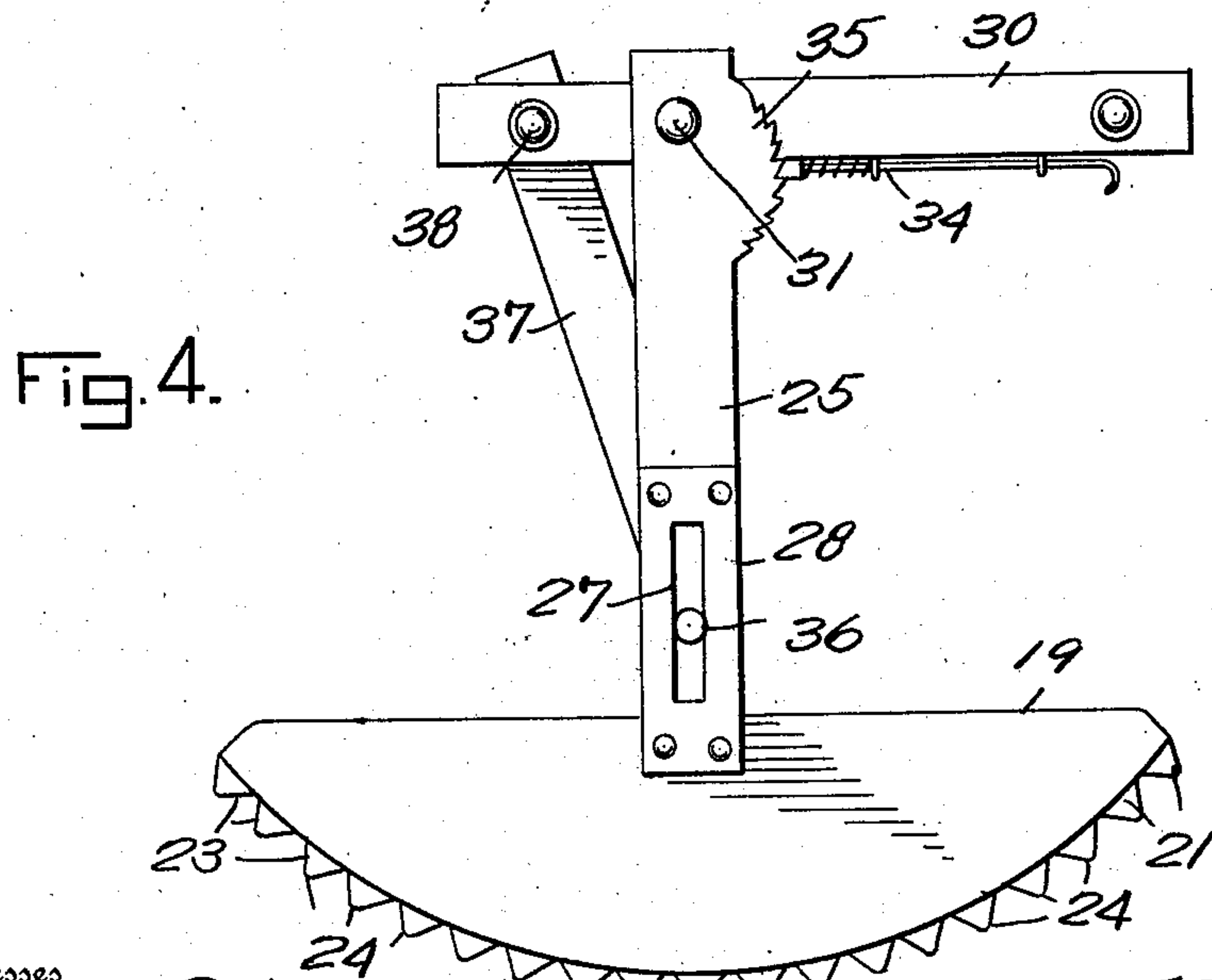
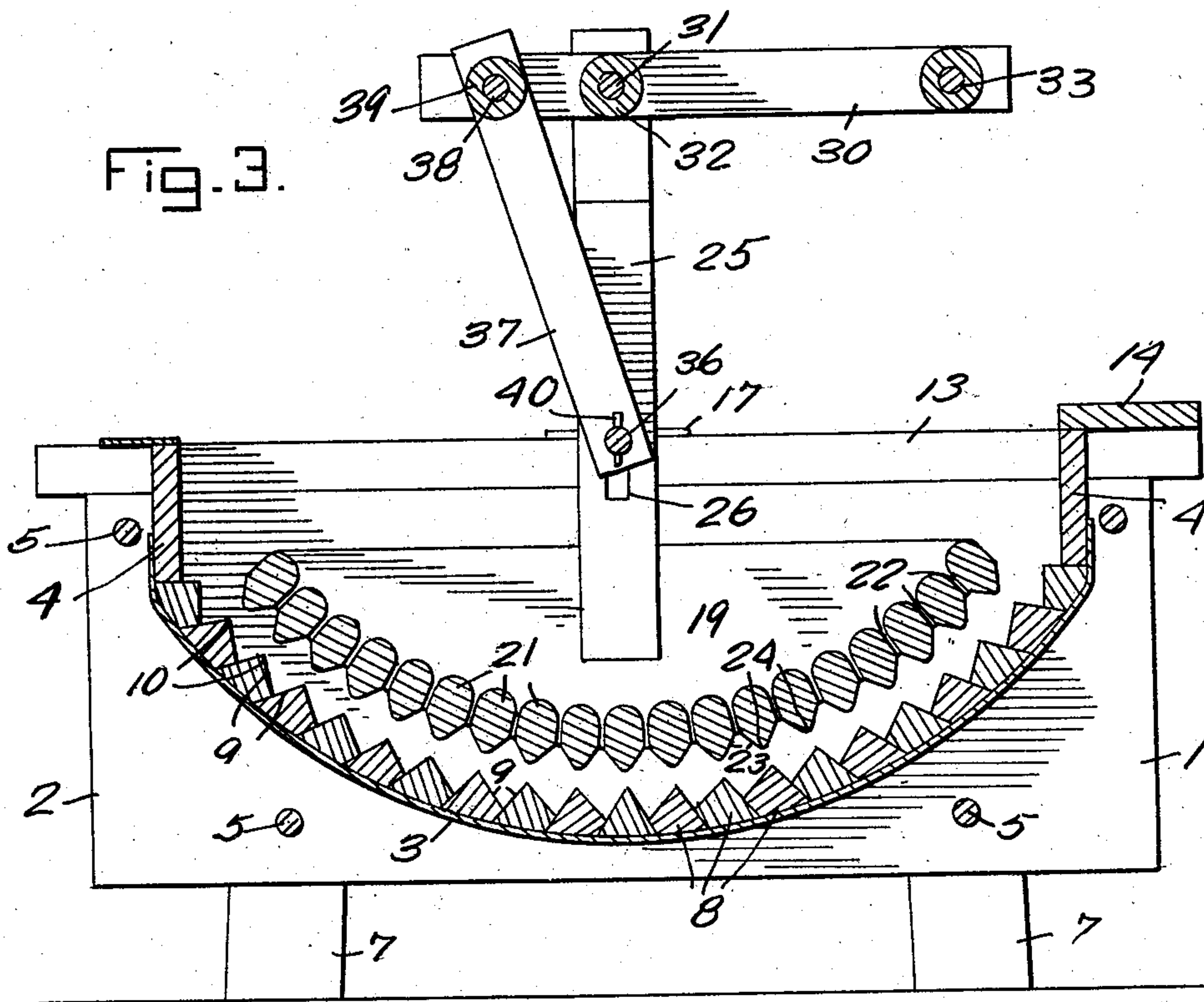
Attorneys

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WASHING MACHINE.
APPLICATION FILED MAY 16, 1907.

3 SHEETS—SHEET 2.



Witnesses

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APPLICATION FILED MAY 16, 1907.

3 SHEETS—SHEET 3.

Fig. 5.

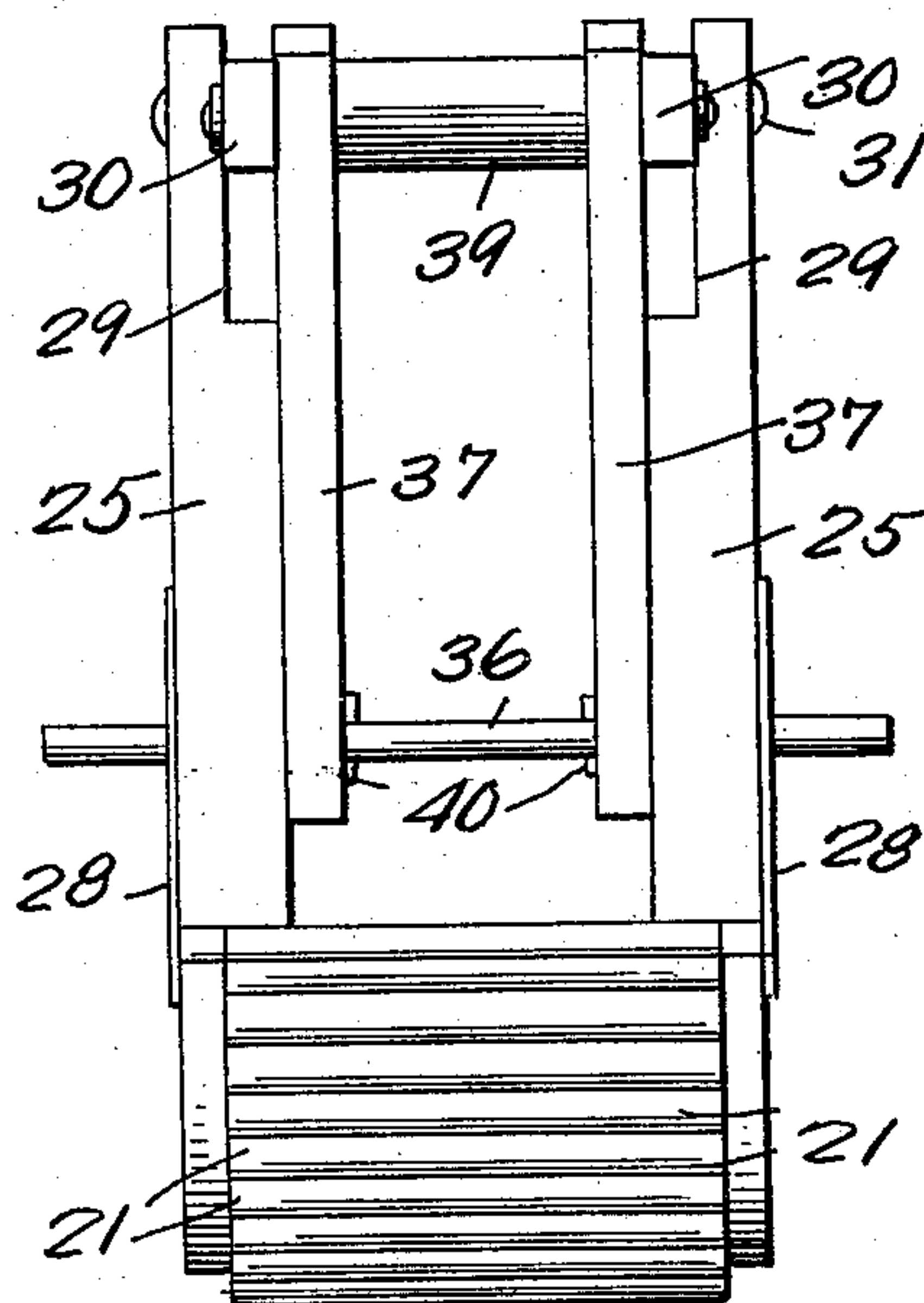
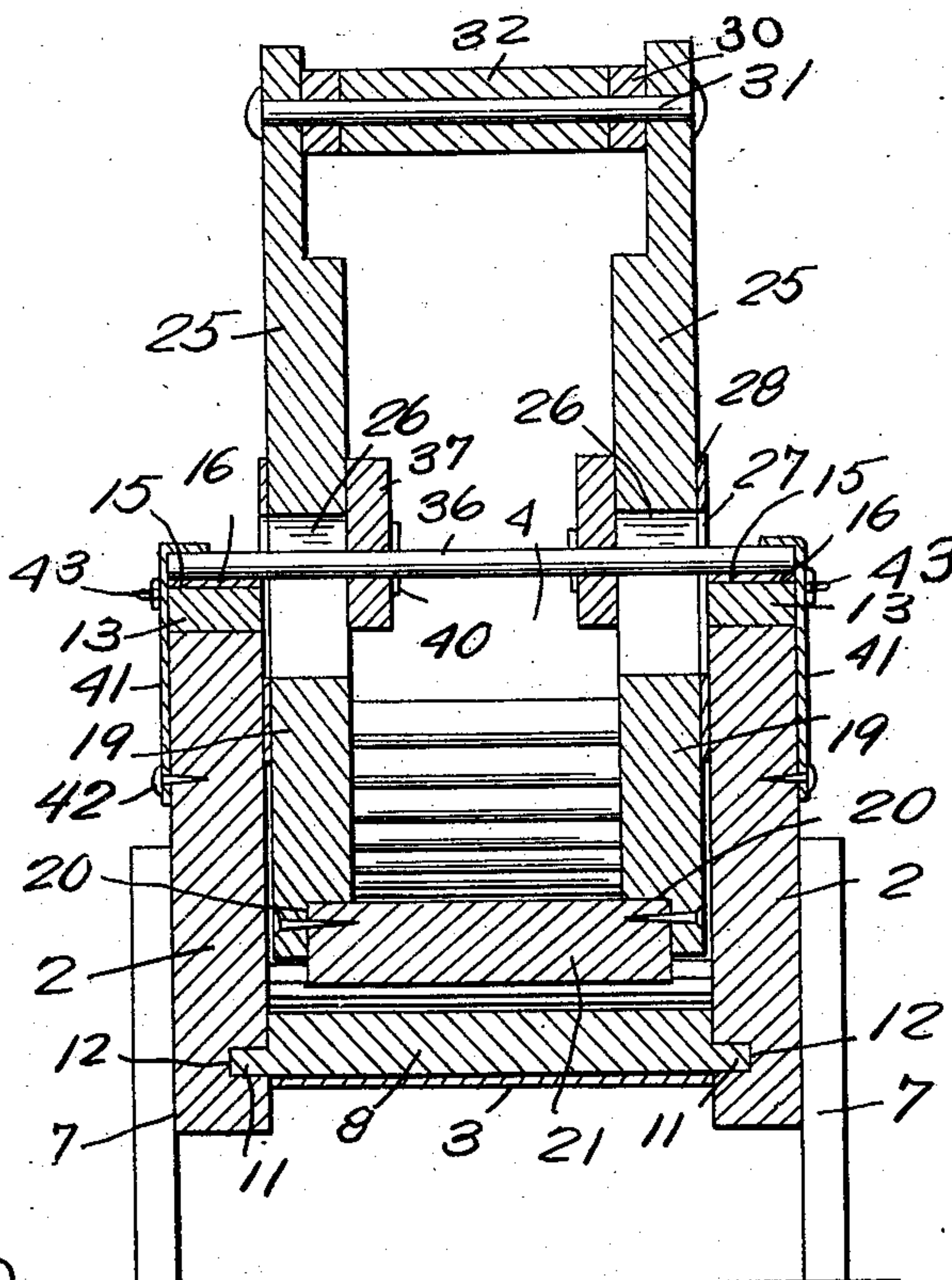


Fig. 6.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN T. BURKHARD, OF LEWISVILLE, OHIO.

WASHING-MACHINE.

No. 889,657.

Specification of Letters Patent.

Patented June 2, 1908.

Application filed May 16, 1907. Serial No. 373,929.

To all whom it may concern:

Be it known that I, JOHN T. BURKHARD, a citizen of the United States, residing at Lewisville, in the county of Monroe, State of Ohio, have 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 appertains to make and use the same.

This invention relates to new and useful improvements in washing machines, and it has particular reference to a washing machine of that type which includes a receptacle formed with a curved bottom wall serving as a wash board, and a rocking rubber coacting in the function of the machine with said wash board.

The invention has for its object to provide a novel means for adjusting and holding the rubber at selected positions towards and away from the wash board and it resides in the novel construction, combination and arrangement of parts.

The details of construction will appear in the course of the following description in which reference is had to the accompanying drawings forming a part of this specification, like characters of reference designating similar parts throughout the several views, wherein:

Figure 1 is a side elevation of a washing machine constructed in accordance with the present invention. Fig. 2 is a top plan view thereof. Fig. 3 is a longitudinal sectional view thereof. Fig. 4 is a detailed side elevation of the rocking rubber and its associated parts. Fig. 5 is a detailed end elevation thereof. Fig. 6 is a central transverse section on the line 6—6 of Fig. 1.

Referring specifically to the accompanying drawings, there is shown a receptacle 1, comprising side walls 2, between which is supported an arcuate bottom plate 3, preferably constructed of sheet metal and having its upper ends secured to end plates 4. At suitable intervals, bolts 5, are engaged transversely through the side walls 2 and are held by nuts 6, the lowermost of said bolts being projected through supporting legs 7. Upon the bottom plate 3 are provided a plurality of transverse blocks 8, which as a series, constitute the wash board and with this object in view have their bearing surfaces inclined upwardly as at 9 to an apex 10. The blocks

8 are each formed with end tenons 11, which engage in recesses 12 provided therefor in the side walls 2. Upon the upper edges of the side walls 2 are rails 13, which at one end thereof support a cross piece 14 constituting a table. The rails 13 are recessed transversely at a central point at 15, to receive the recess 16 of a bearing plate 17, the plate 17 being held by fastening screws 18.

The rubber is constituted of side plates 19 having curved lower edges which are suitably recessed along their inner faces at 20 to receive the ends of transverse blocks 21 which constitute the rubber proper and which are arranged in spaced relation so that passages 22 occur therebetween. The blocks 21 have their lower surfaces inclined convergently as at 23 to a central apex 24. The side plates 19 are formed centrally thereof with vertical posts 25, which adjacent said side plates are formed with longitudinal slots 26 registering with coextensive slots 27, provided in end bearing plates 28 secured to the outer faces of the posts 25. The posts 25 at their upper ends are recessed from their inner sides at 29 to receive arms 30, a pivot bolt 31 being projected through the upper ends of said posts 25, and through said arms. A spacing sleeve 32 loosely surrounds the bolt 31, between the arms 30. Said arms 30 support between their rear ends a transverse handle 33, and one of said arms is provided with a trigger operated pawl 34, which coacts with a curved rack sector 35, provided upon the adjacent post 25.

A transverse pintle 36 is projected through the slots 26 and 27 in their registering relation and through openings provided therefor in arms 37, the latter being pivoted to the projecting front ends of the arms 30 by means of a transverse pin 38, upon which is a spacing sleeve 39. Stop pins 40 are provided upon the pintle 36 adjacent the lower ends of the arms 37 to prevent any axial play thereof.

The pintle 36 has its ends disposed in the recesses 16, and is held from axial movement by means of spring catches 41 secured to the side walls 2 at their lower ends at 42, and with their upper ends engaging the ends of the pintle 36. The catches 41 are in turn held from displacement by hooks 43, pivoted to the side rails 13, and formed for engagement with eyes or staples 44.

In use, it is proposed to adjustably position the rubber with relation to the wash

board in accordance with the character and strength of the goods being laundered and with this object in view, the arms 30 are raised upon the pin 38 as a pivot, and in such
5 action, correspondingly raise the rubber by reason of the connections described. The provision of the pawl 34 and the rack sector 35 will prevent displacement of the rubber from any position to which it may be moved
10 and when it is desired to lower the rubber said pawl is disengaged from said rack sector and the arms 30 are lowered as will be readily apparent.

15 A washing machine as embodied in the present invention, is simple in construction, inexpensive to manufacture, and practical and efficient in use.

From the foregoing description it will be seen that simple and efficient means are provided for accomplishing the objects of the
20 invention, but while the elements herein shown and described are well adapted to serve the functions set forth, it is obvious that various minor changes may be made
25 in the proportions, shape and arrangement of the several parts, without departing from the spirit and scope of the invention as defined in the appended claims.

What is claimed is:

30 A washing machine comprising a recep-

tacle having a curved bottom, provided with transverse rubbing blocks, side rails imposed upon the upper edges of the side walls of said receptacle and formed with centrally located bearing plates, and a rubber comprising side
35 pieces having curved lower edges, transverse rubbing blocks supported therebetween in curved series and coacting with said first named blocks, vertical posts supported from said side pieces, and formed at their lower
40 ends with longitudinal slots, a pin projected through said slots and having its ends engaged in said bearing plates, arms pivoted between their ends at the upper ends of said posts, a handle provided at the rear ends of
45 said arms, and arms formed at their lower ends with openings surrounding said pin and at their upper ends pivoted to the projecting front ends of said first named arms, one of
50 said posts being provided with a rack quadrant, and a spring pressed displaceable pawl provided upon the adjacent arm pivoted thereto for engagement with said quadrant.

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

JOHN T. BURKHARD.

Witnesses:

ADA BUTT,
B. F. BUTT.