

(No Model.)

H. K. WILLIAMS.
WASHING MACHINE.

No. 461,301.

Patented Oct. 13, 1891.

Fig. 1.

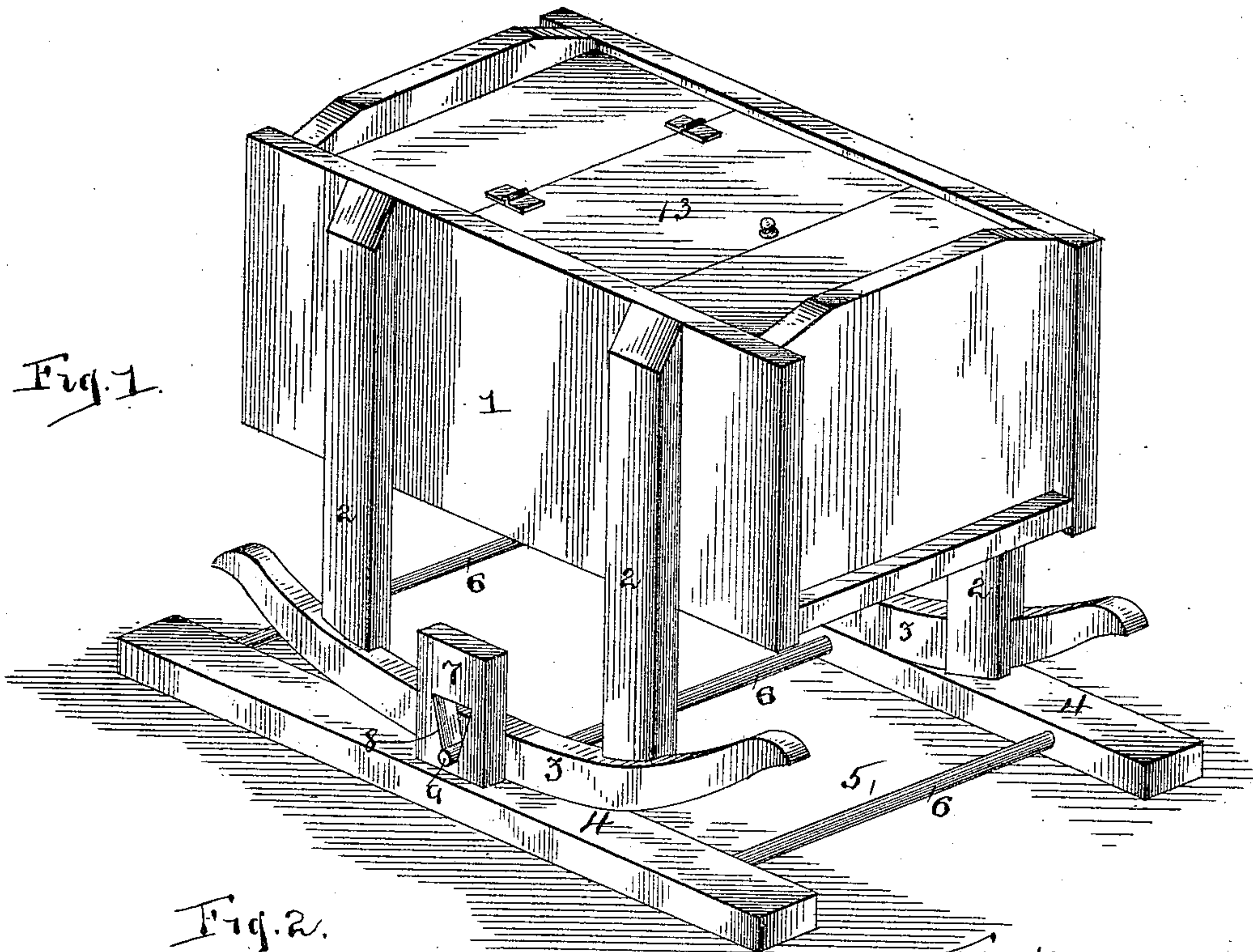


Fig. 2.

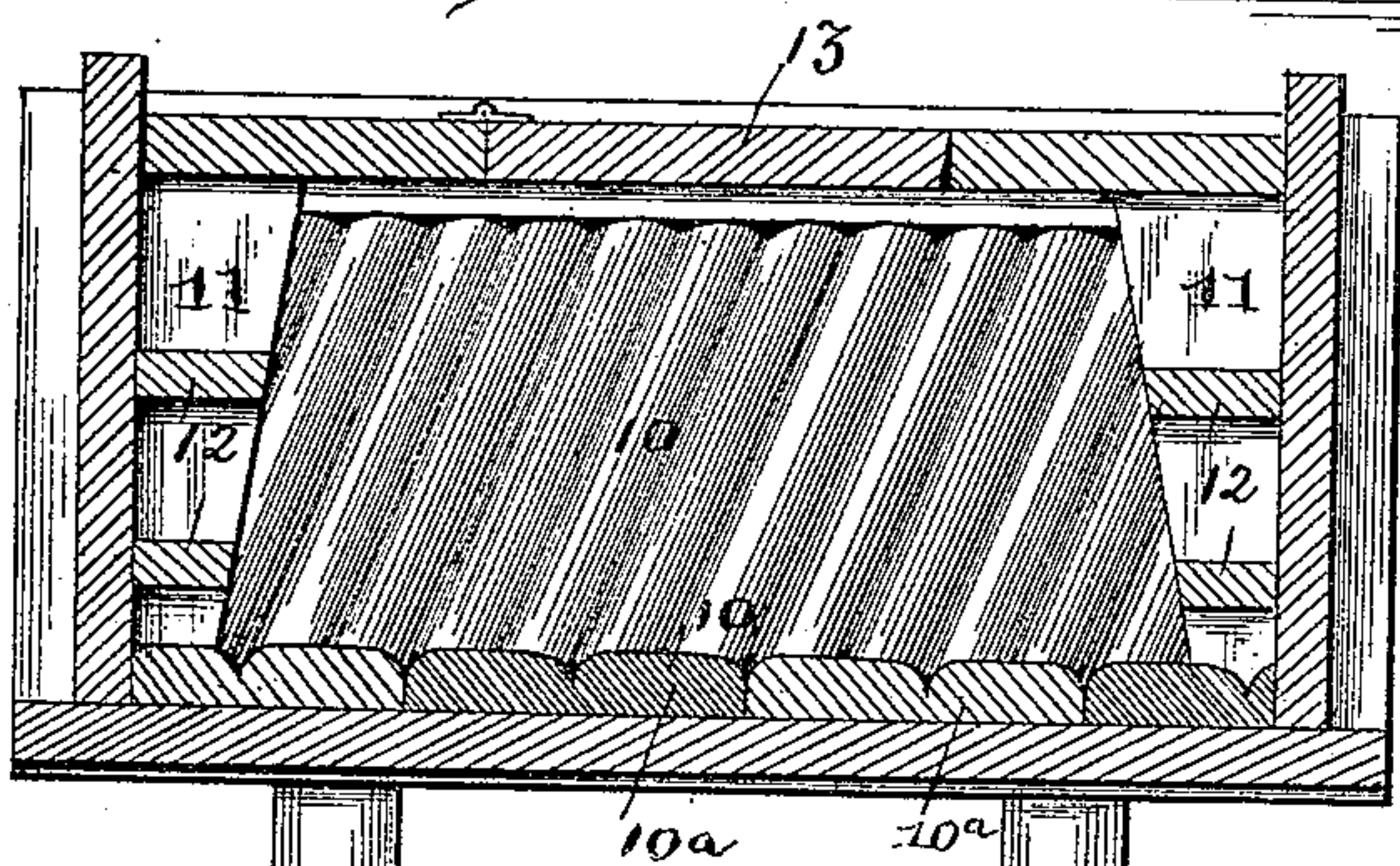
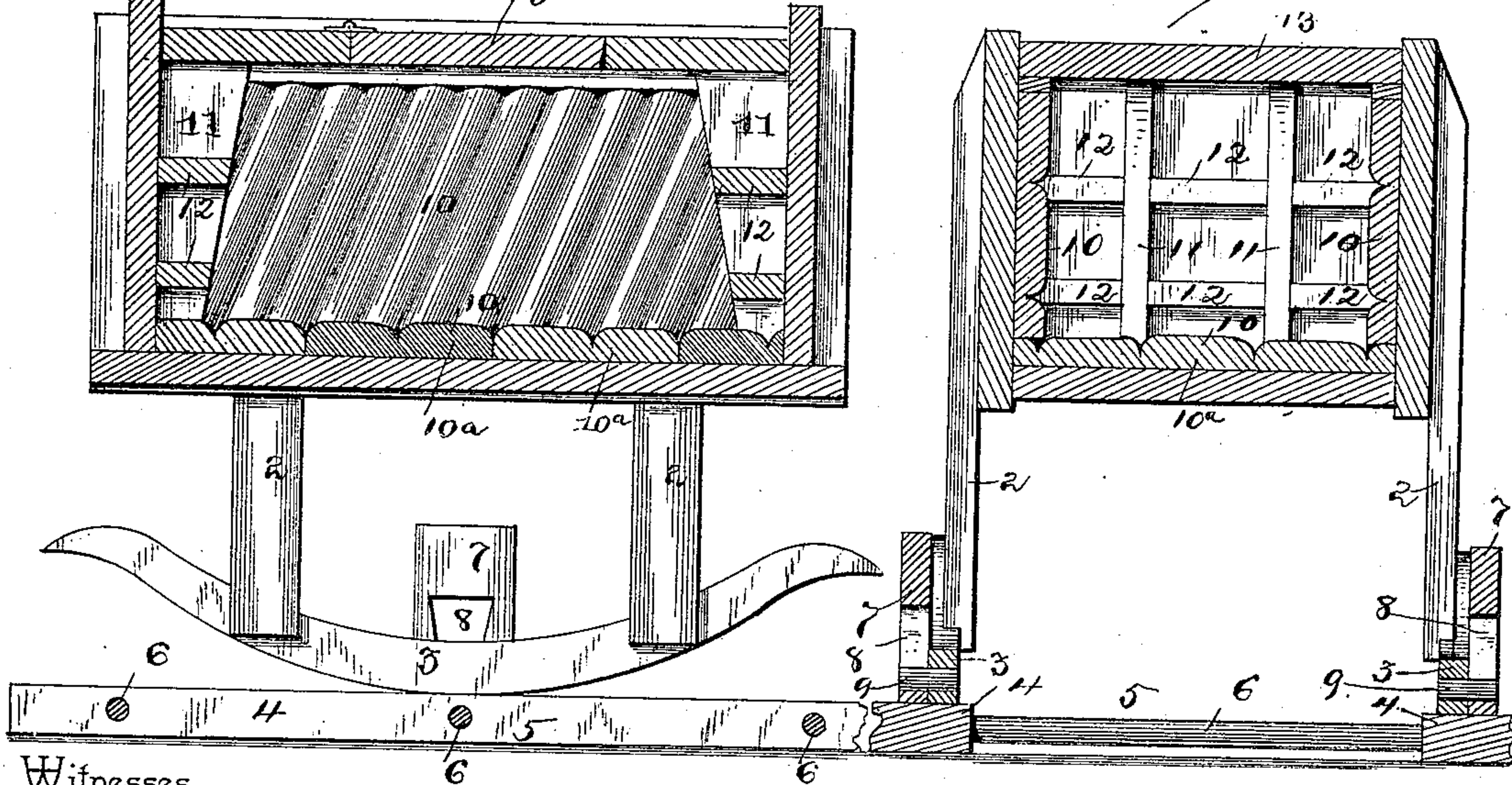


Fig. 3.



Witnesses

H. G. Seitz.

N. F. Riley

Inventor

Homer K. Williams, -

By his Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

HOMER K. WILLIAMS, OF JAMISON CITY, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO JUSTIN S. CAMPBELL, OF SAME PLACE.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 461,301, dated October 13, 1891.

Application filed April 11, 1891. Serial No. 388,481. (No model.)

To all whom it may concern:

Be it known that I, HOMER K. WILLIAMS, a citizen of the United States, residing at Jamison City, in the county of Columbia and State of Pennsylvania, have invented a new and useful Washing-Machine, of which the following is a specification.

The invention relates to improvements in washing-machines.

The object of the present invention is to simplify and improve the construction of working-body washing-machines, and to enable clothes to be thoroughly cleaned without injury to them and to lessen the labor of the operator.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a washing-machine constructed in accordance with this invention. Fig. 2 is a vertical longitudinal sectional view. Fig. 3 is a transverse sectional view.

Referring to the accompanying drawings, 1 designates a washing-machine body which is rectangular in cross-section and is supported by legs 2, and secured to the lower ends of the legs are rockers 3, which are arranged upon side bars 4 of a rectangular frame or platform 5. The rectangular frame or platform 5 consists of the side bars 4 and rods 6, connecting the side bars, and is provided with posts 7, rising from the side bars at points intermediate the ends of the latter and provided with triangular openings 8, adapted for the reception of pins 9, projecting from the rockers and adapted to prevent the rockers leaving the side bars.

The body 1 is provided on the inner faces of its sides and bottom with curved ribs 10, which form corrugations and are adapted to rub the clothes during the rocking of the body. The ends of the body are provided on their inner faces with vertical tapering partitions 11, arranged parallel with each other,

and secured between them and also between the sides of the body and the partitions are horizontally-disposed blocks 12, which form rectangular air chambers or pockets, and these blocks increase in depth as they approach the top of the body. The pockets form air-chambers and retain the air, and during the operation of the machine the water strikes the tops and bottoms of the pockets and the air contained therein is forced through the water and the clothes and is sufficient to remove all dirt and stains and thoroughly clean and purify the clothes. The top of the body is provided with a hinged section 13, which forms a cover, and is adapted to be opened and closed in the usual manner to permit access to the body. The curved ribs 10, which form the rubbing-surface, are diagonally disposed and consist of plates 10^a, having their outer faces grooved to form the ribs, and the plates are secured to the inner faces of the sides and bottom of the body.

It will readily be seen that the washing-machine is simple and inexpensive in construction and is adapted to be readily operated by a small amount of force, and is not liable to tear or otherwise injure the clothes.

What I claim is—

In a washing-machine, the combination of the body provided with ribs arranged on the inner faces of the sides and bottom and forming rubbing-surfaces, the tapering partitions secured to the ends of the body and arranged parallel and being vertically disposed on the inner faces of the ends, and the horizontally-disposed blocks arranged between the partitions and sides of the body and forming rectangular air chambers or pockets, the chambers increasing in depth as they near the top of the body, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HOMER K. WILLIAMS.

Witnesses:

B. R. LAUBACH,
BRITTON COB.