

(Model.)

S. G. MARLIN.
Washing Machine.

No. 235,093.

Patented Dec. 7, 1880.

FIG. 1.

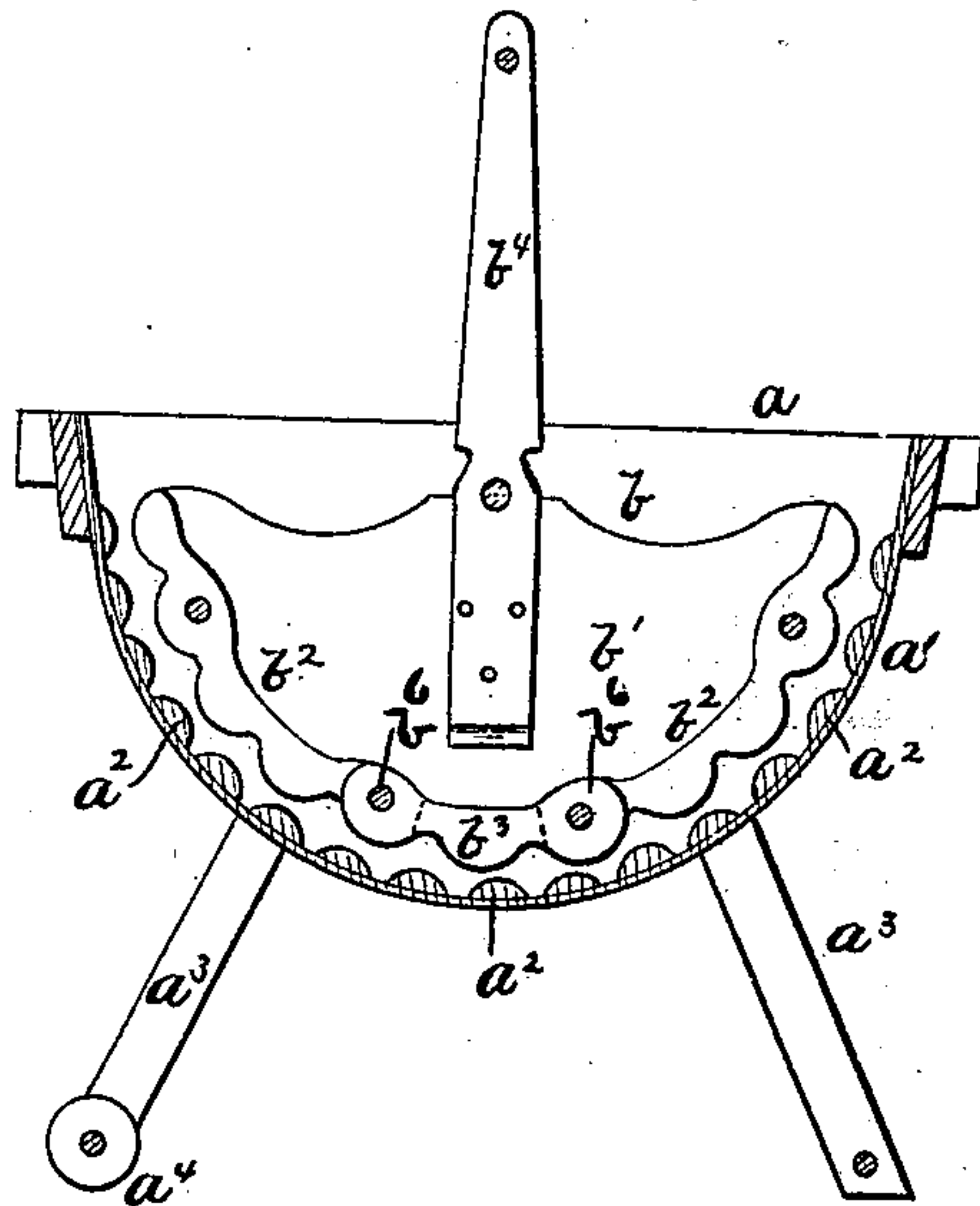


FIG. 2.

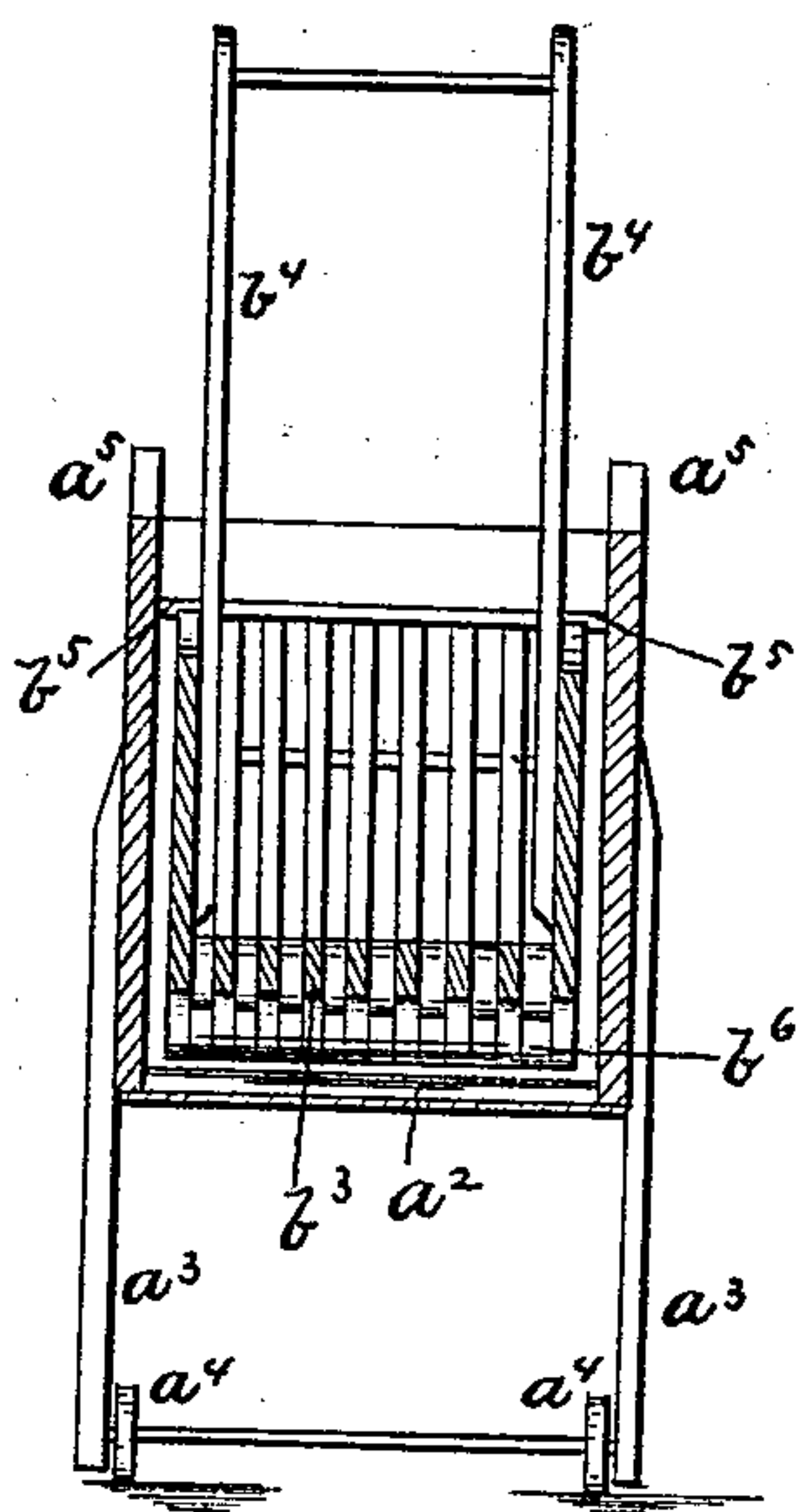
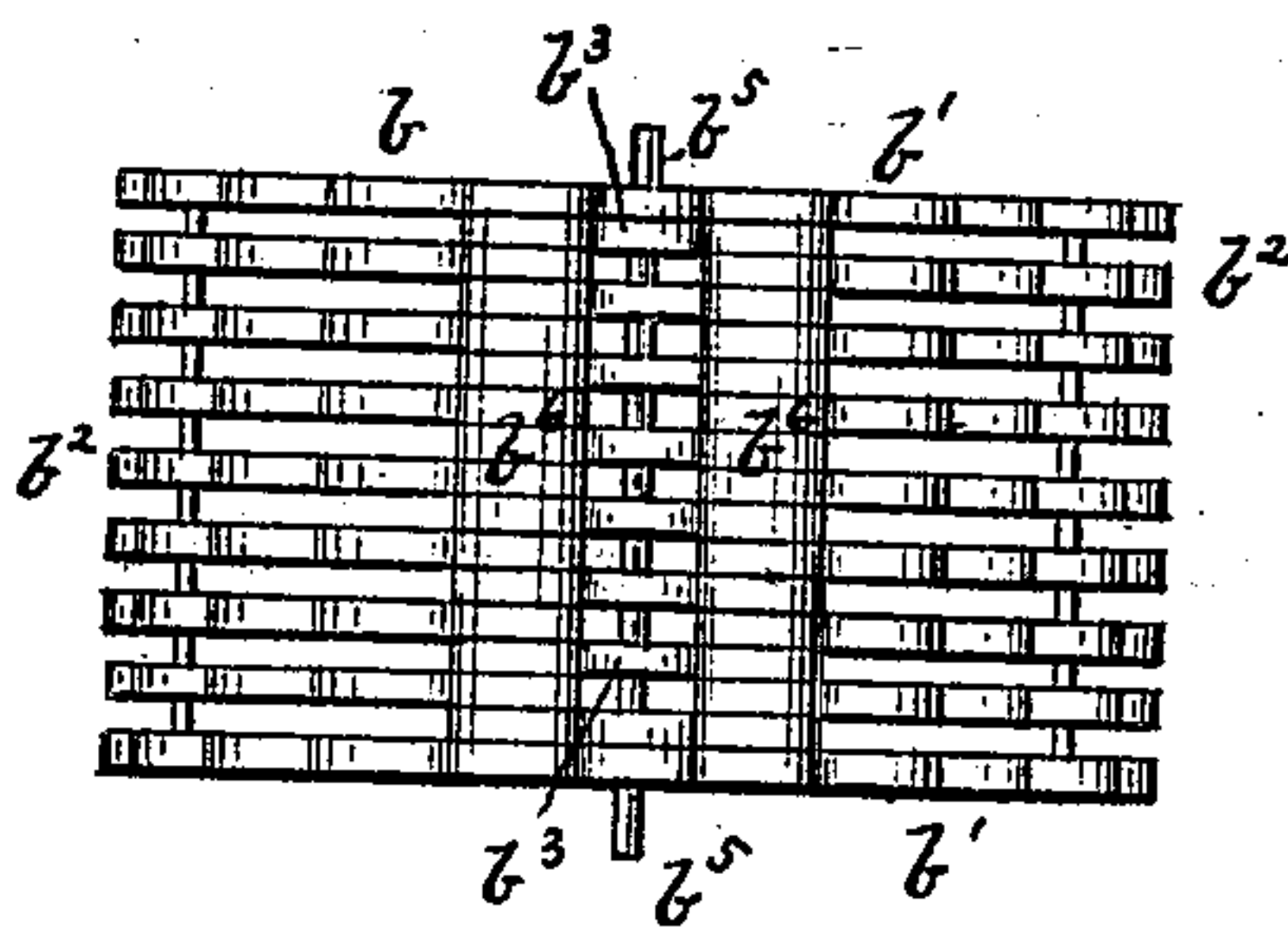


FIG. 3.



Witnesses
Sam R. Lumsden
H. J. Martin

Inventor:
Samuel G. Marlin
By R. S. & A. P. Lacey Attys

UNITED STATES PATENT OFFICE.

SAMUEL G. MARLIN, OF CLARION, PENNSYLVANIA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 235,093, dated December 7, 1880.

Application filed September 30, 1880. (Model.)

To all whom it may concern:

Be it known that I, SAMUEL G. MARLIN, a citizen of the United States, residing at Clarion, in the county of Clarion and State of Pennsylvania, 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in washing-machines, the nature of which will be hereinafter fully explained and claimed.

In the drawings, Figure 1 is a vertical longitudinal section. Fig. 2 is a vertical cross-section. Fig. 3 is a view of the under side of the rubber.

a is the main box, made semicircular in form, and provided on its bottom a' with the series of cross-bars or rolls a^2 , fixed rigidly in position.

The box is supported on legs a^3 , two of which are provided with rollers a^4 , which facilitates the moving of the machine from one place to another.

Fixed to the sides of the box a are the vertical guides a^5 , which hold ends of the pins projecting from the sides of the rubber, so that the latter can rise or fall to adapt it to the quantity of clothing being washed.

b is the vibrating rubber, composed of the side boards, b' , the series of scalloped slats b^2 , and the handles b^4 . The rubber is provided with pins b^5 , which project from the sides into guide-grooves a^5 on the box a .

The rubbing-surface is formed of a series of longitudinal slats, b^2 b^3 , which are semicircu-

lar in form, corresponding to the curvature of bottom of the box. These slats have their under or convex edges scalloped, as shown. I have three series of these slats. The two end series, b^2 b^2 , are alike in length, and are connected at their inner ends to the intermediate series, b^3 , which have their edges scalloped, as shown.

The inner ends of the slats b^2 interlap with the ends of the slats b^3 and form two solid close-rubbing transverse scallops, b^6 b^6 , entirely across the face of the rubber, with a series of open spaces intervening between at the central part of the face of the rubber. This construction provides at the points of greatest pressure solid rubbers b^6 b^6 , which, in combination with the open slat-work between them and between the slats b^2 b^2 , obviates the difficulties heretofore experienced with rubbers of this construction. The clothing is prevented from getting permanently pressed upward and held between the slats.

I am aware that a rubber has been made composed of a series of scalloped slats extending the entire length of the curved rubber, and I do not claim this construction, broadly.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a rubber for washing-machines, the series of slats b^2 b^2 and the series of slats b^3 , having their convex edges scalloped, the two series b^2 b^2 being interlapped with the ends of the series b^3 and forming the solid rubbing portions b^6 , substantially as set forth.

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

SAMUEL G. MARLIN.

Witnesses:

J. A. MCKINLEY,

C. C. BROSIUS.