

(No Model.)

A. W. CHAMBERLIN.

WASHING MACHINE.

No. 361,612.

Patented Apr. 19, 1887.

Fig. 1.

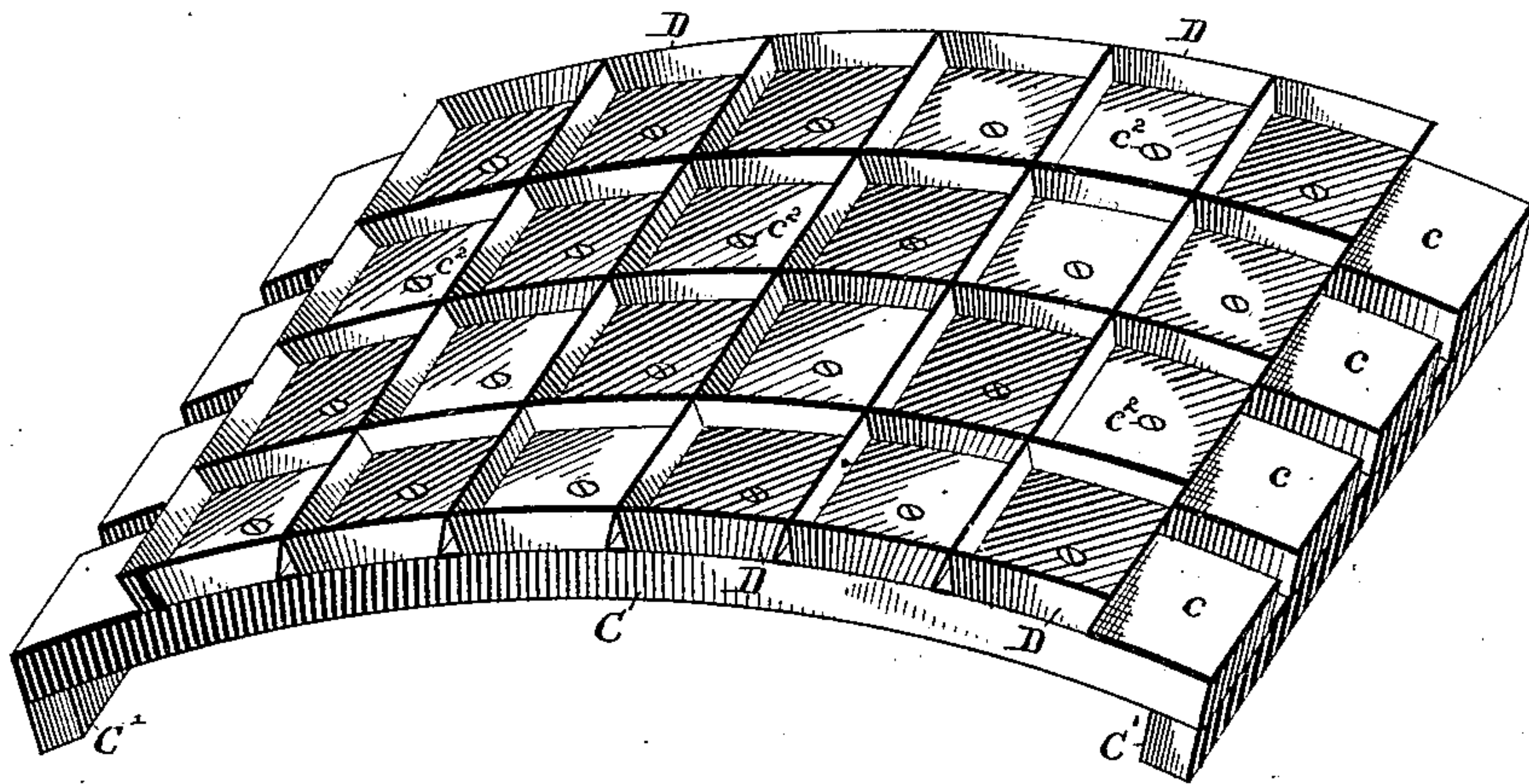


Fig. 2.

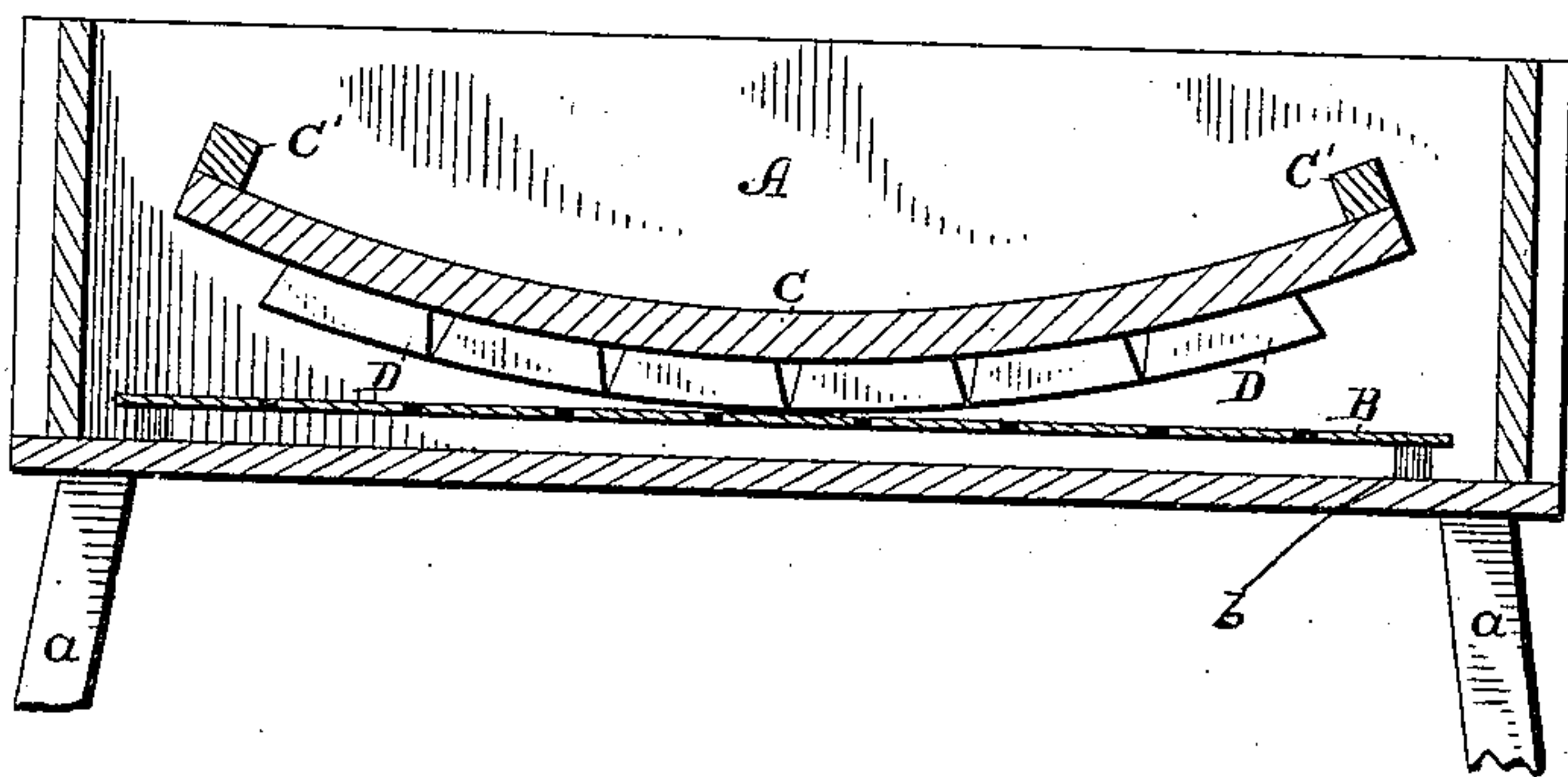


Fig. 3.

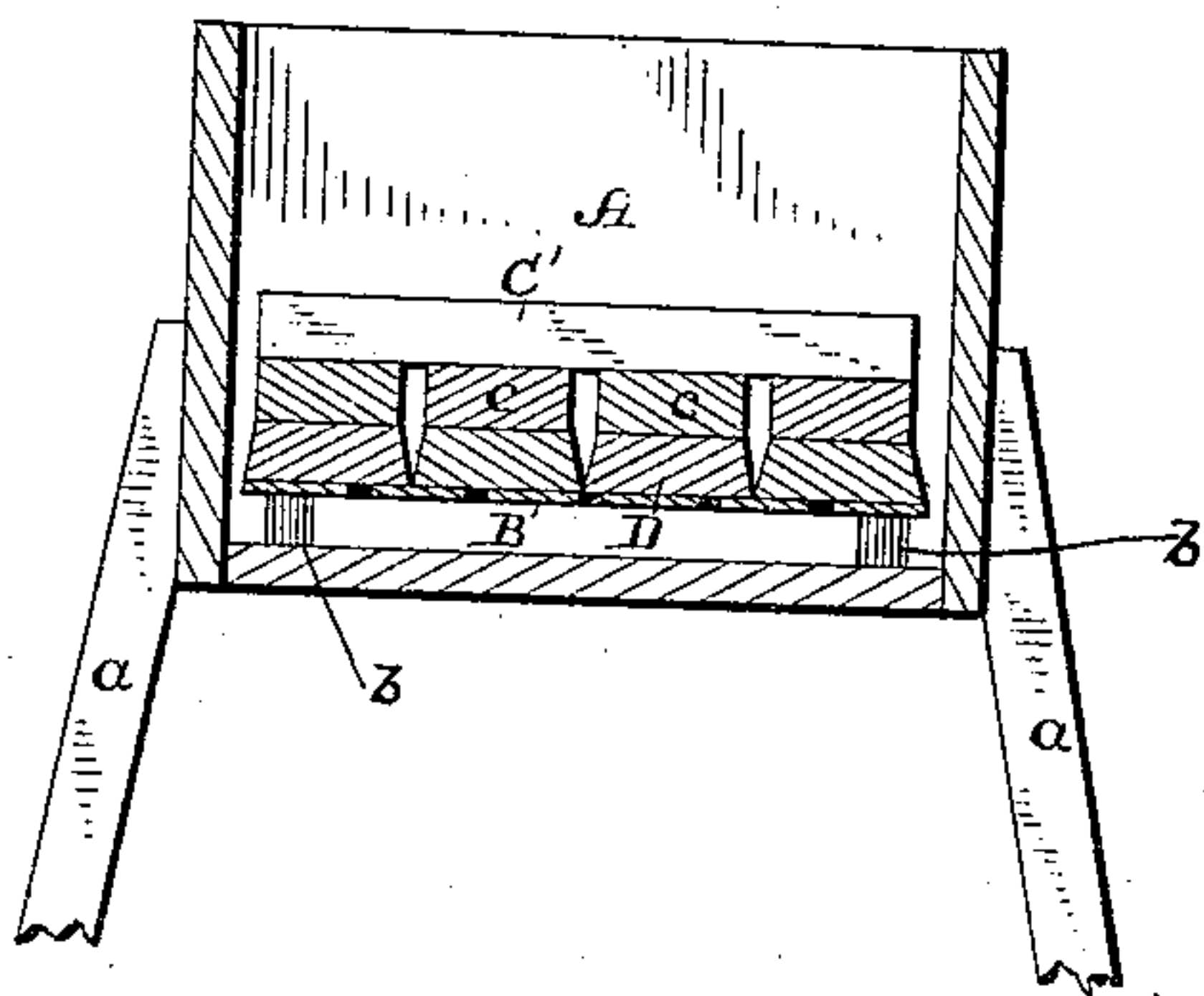
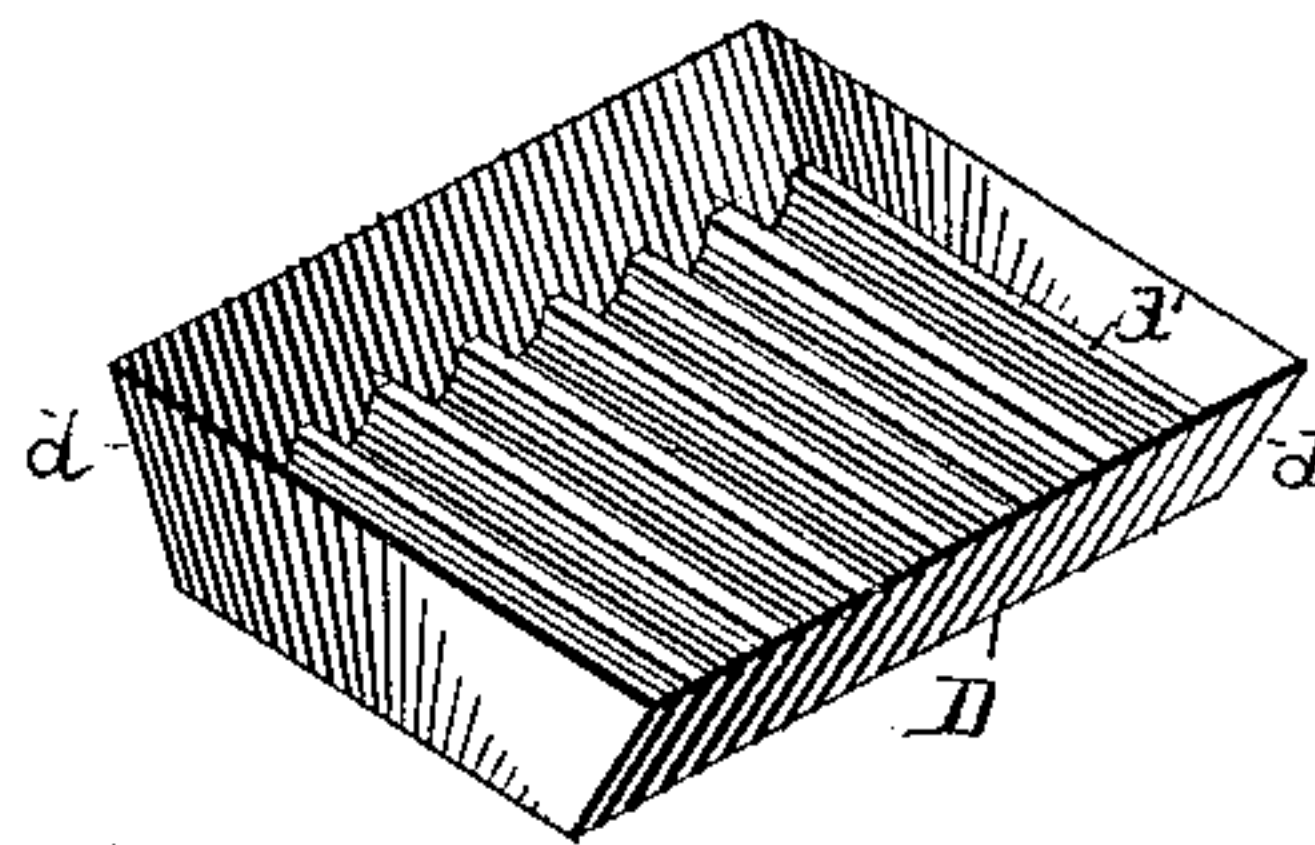


Fig. 4.



Witnesses
J. S. Fischer
M. Redman

Inventor
A. W. Chamberlin
By his Attorney
L. Deane

UNITED STATES PATENT OFFICE.

ALBERT W. CHAMBERLIN, OF OLEAN, NEW YORK, ASSIGNOR OF ONE-HALF
TO THE CHAMBERLIN MANUFACTURING COMPANY, OF SAME PLACE.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 361,612, dated April 19, 1887.

Application filed January 26, 1887. Serial No. 225,567. (No model.)

To all whom it may concern:

Be it known that I, ALBERT W. CHAMBERLIN, a citizen of the United States, residing at Olean, in the county of Cattaraugus and State of New York, 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.

Figure 1 is a perspective detail view of the rocker. Fig. 2 is a longitudinal sectional view of the machine. Fig. 3 is a cross-section of the same, and Fig. 4 is a perspective detail view of one of the cups with flaring edges.

My invention relates to reciprocating-rubber washing-machines, and has for its object to provide a device simple in arrangement and effective in operation; and it consists of a rocker in a water-tight box or tub, said rockers consisting of curved parallel arms secured to end pieces and having cups with flaring edges detachably secured to the outer surface of the arms; so the contiguous edges of the cups meet and form contiguous continuous surface for the underside of the rocker.

In the annexed drawings, A is a water-tight box of any suitable shape or size, and usually supported on leg *a*, in which box is placed a perforated removable bottom, B, raised a little from the bottom proper of the box by means of legs *b*, which can be attached to the bottom of the box or to the bottom.

The rocker C consists of a series of curved bars or arms, *c*, rigidly secured to the end pieces, C', so as to leave a slight space between each.

On the outer surface of each one of the arms *c* are detachably secured by screws C², or otherwise, the cups D, which have flaring edges *d*, so placed on the arms C that the edges of the cups will meet and so form a continuous surface.

The cups D, which can be made of wood, zinc, or any proper material, and may have either a plain or corrugated bottom, *d'*, are each independent of the other. Thus if one should become broken, it can be readily replaced by a new one, leaving the rest of the cups untouched.

The rocker C, being an independent piece, is neither pivoted nor secured in the box A, and any means may be employed to impart a reciprocating motion to it. Ordinarily this can be effectually done by hand.

In practice the clothes are placed in the box A on the removable and perforated bottom B. The rocker C is then placed in the box, and the clothes are cleansed by the reciprocating movement of the rocker. When one end of the rocker is raised, the cups D on the raised end fill with air, and when lowered and brought in contact with the clothes the air in the cups is compressed, forcing the suds through the clothes, thus removing the dirt.

It will be evident that this device is very easily made, since it is so simple in structure, and its efficiency is obvious at a glance; also, it is a very durable machine.

Having now described my invention, what I consider new is—

A removable rocker for use in a washing-machine, composed of curved bars or arms secured to transverse end pieces, and each provided on its outer surface with a series of cups having flaring edges and a corrugated bottom, substantially as described.

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

ALBERT W. CHAMBERLIN.

Witnesses:

COLBY CHAMBERLIN,
JOHN DUKE.