

No. 736,803.

PATENTED AUG. 18, 1903.

F. E. WALDBY.
WASHING MACHINE.

APPLICATION FILED MAR. 5, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

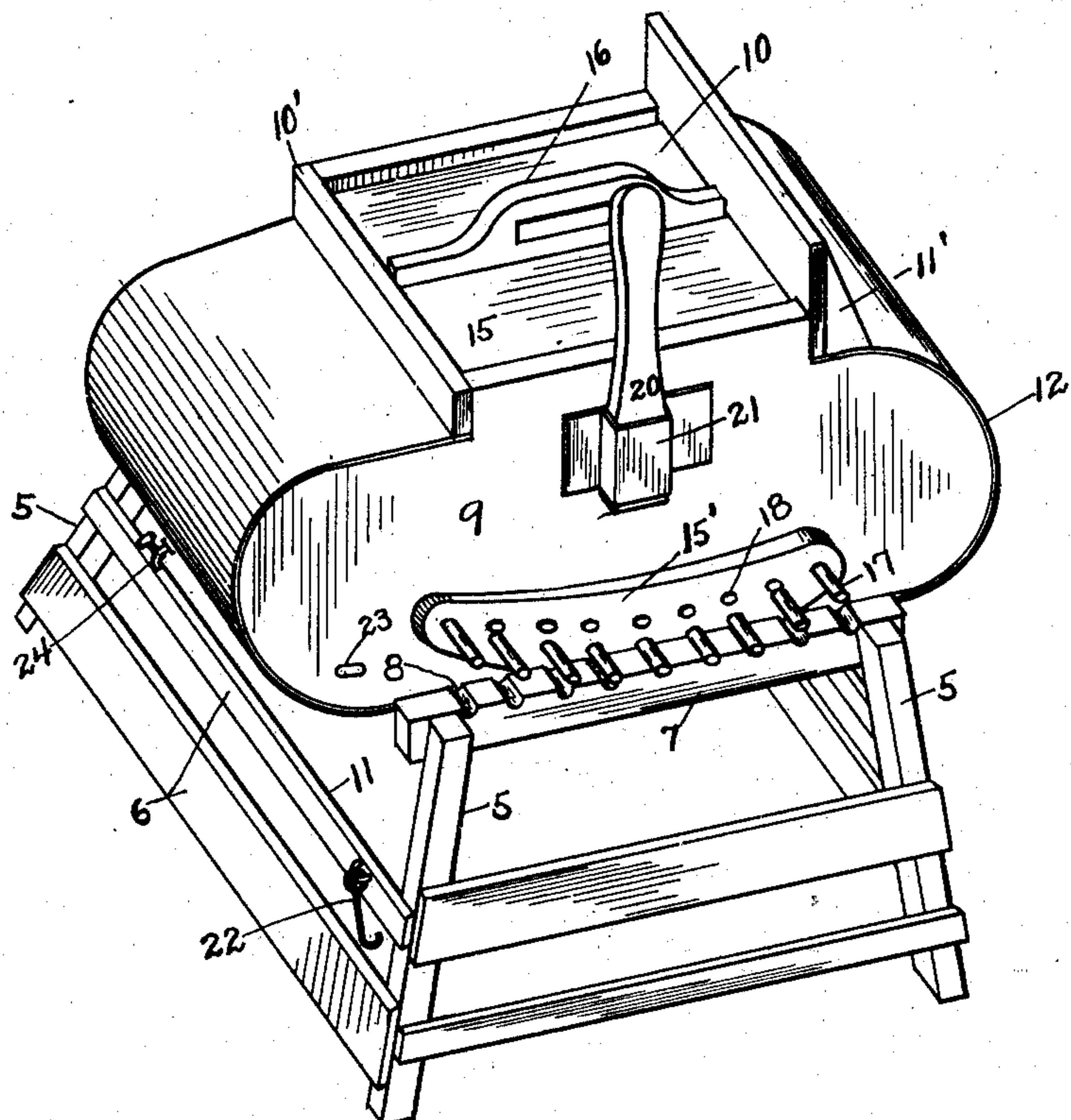


Fig. 1.

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2 SHEETS—SHEET 2.

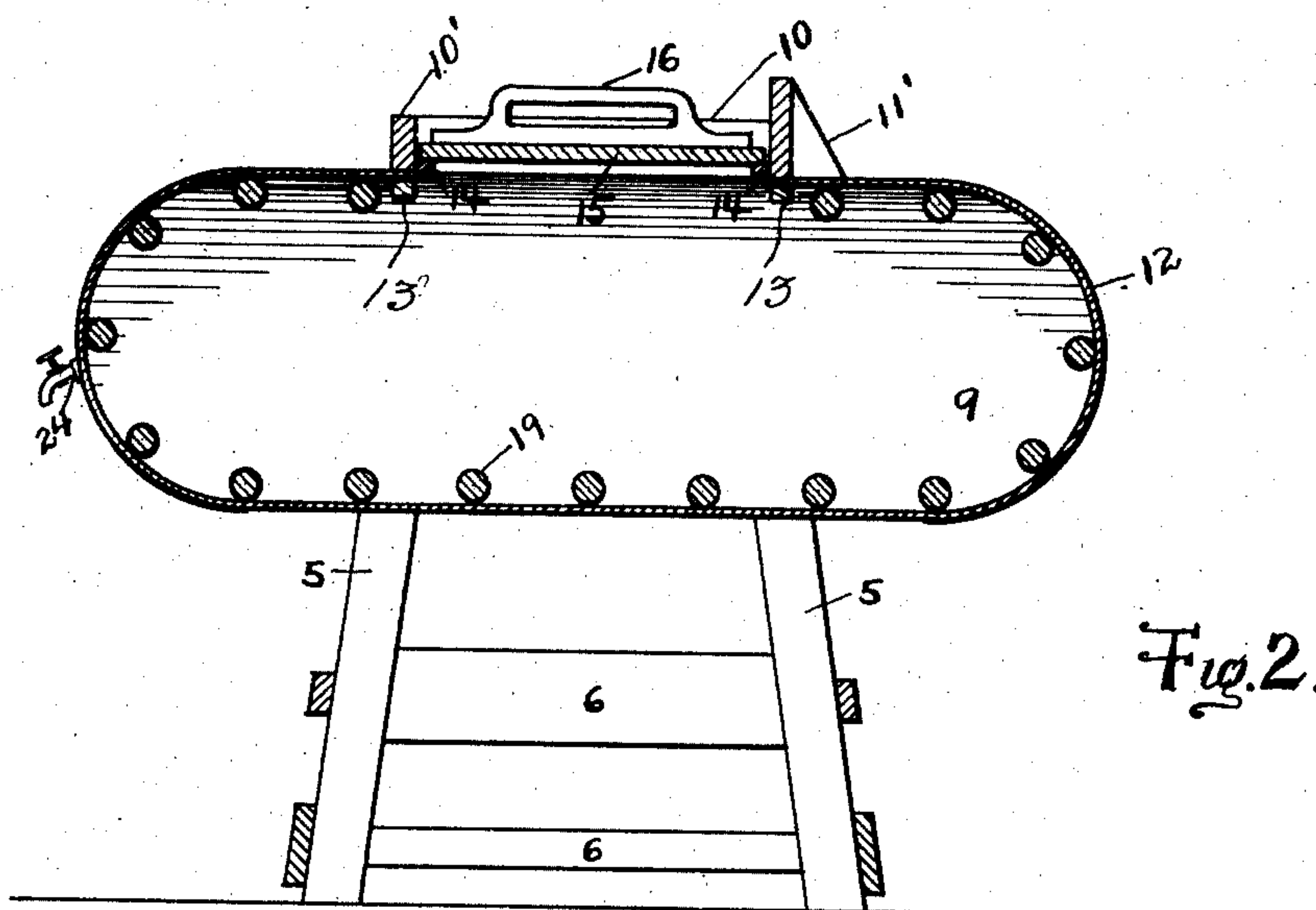


Fig. 2.

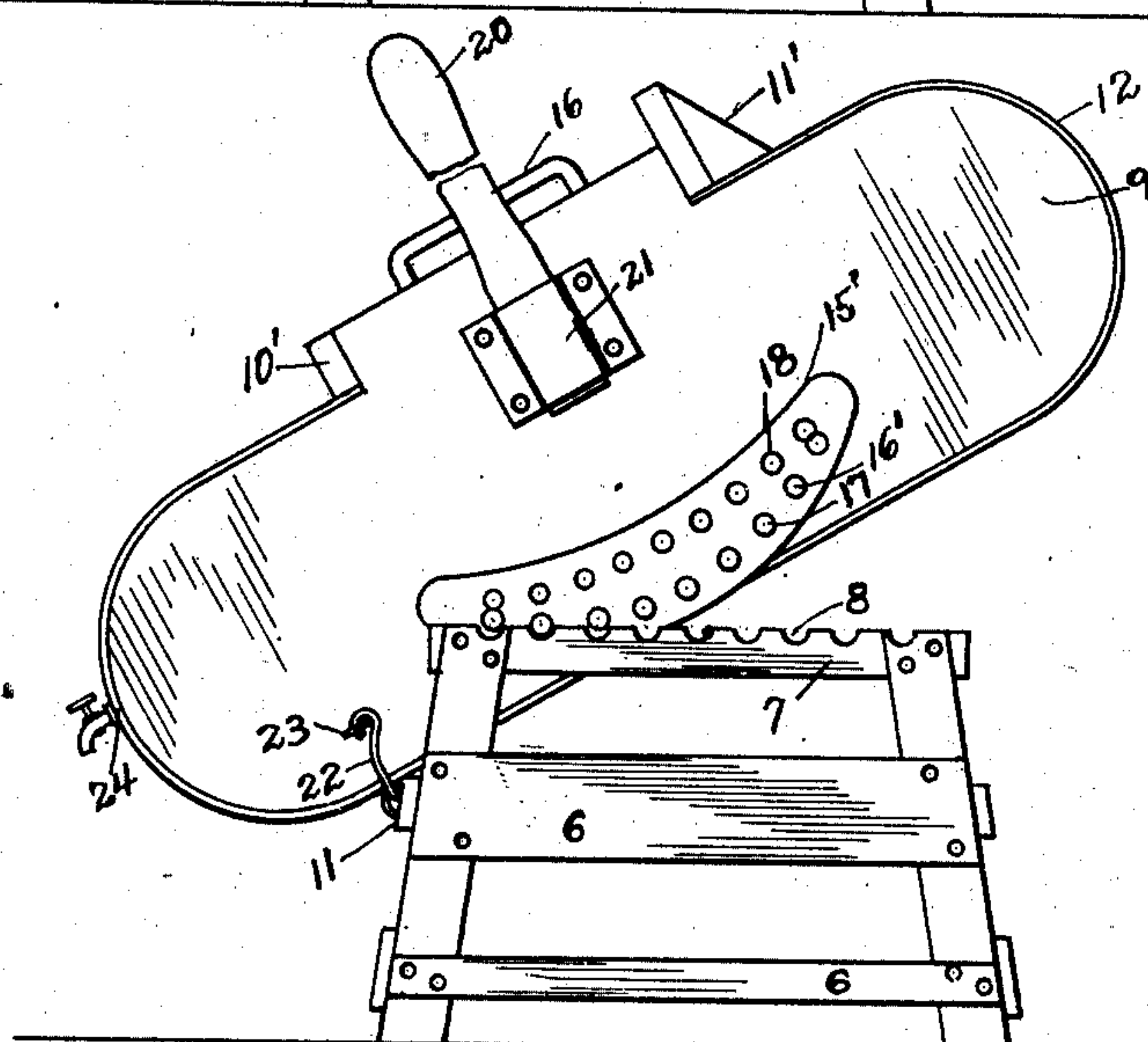


Fig. 3.

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UNITED STATES PATENT OFFICE.

FRANK E. WALDBY, OF PINE CITY, MINNESOTA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 736,803, dated August 18, 1903.

Application filed March 5, 1903. Serial No. 146,392. (No model.)

To all whom it may concern:

Be it known that I, FRANK E. WALDBY, a citizen of the United States, residing at Pine City, in the county of Pine, State of Minnesota, 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 washing-machines, and more particularly to the class of working-body washing-machines, the object of the invention being to provide a construction including a body portion or receptacle in which the materials to be washed are placed and a supporting-frame upon which the body is rockingly mounted and upon which it may be caused to move in various arcs to satisfy different specific conditions.

A further object of the invention is to provide a cheap and simple construction which will be rapid and efficient in its operation.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a perspective view showing a washing-machine embodying the present invention. Fig. 2 is a vertical section taken longitudinally through the body of the machine. Fig. 3 is a side elevation of the machine held at one limit of its rocking movement.

Referring now to the drawings, there is shown a washing-machine comprising a supporting-frame including uprights on legs 5, having the transverse connecting-braces 6, and secured against the inner faces of the upper ends of the uprights and connecting them in pairs are additional braces 7, in the upper faces of which are a series of notches 8.

In connection with the supporting-frame is employed a body which is rectangular in cross-section, the top and bottom of the body being flat and parallel, while the ends are semicircular. At the upper edges of the sides 9 of the body is connected a rectangular hopper 10, one side of which, extending transversely of the body, is higher than the remainder of the hopper and is provided with braces or brackets 11'. A rectangular sheet

of metal 12 has one end disposed beneath the side 10' of the hopper and is bent around the edges of the sides of the body, so that its opposite end lies beneath the opposite side of the hopper, the metal plate being secured firmly to the sides of the body to prevent leakage of water from the latter. Transversely of the body and flush with the upper edges of the sides are secured braces 13, between which and the corresponding sides of the hopper the ends of the metal plate are received. Within the hopper, at the bottom thereof, is a ledge 14, which receives and supports a closure 15, which latter has a handle 16 to facilitate application and removal of it.

Against the sides 9 of the body of the washing-machine are secured arc-shaped plates 15', the outer faces of which plates are so spaced that when the body of the washing-machine is disposed between the braces 7 these plates will lie in close relation to the said braces and will hold the body proper of the washing-machine out of contact with the braces during the operation of the machine in the manner hereinafter described. In each of the arc-shaped plates 15' is a series of sockets 16', extending from end to end of the plate in an arc-shaped line, and with these sockets are engaged a series of pins 17, the sockets being so spaced that the pins therein will successively engage the notches in the braces 7 as the body of the washing-machine is rocked, it being noted that in a position of the body as illustrated these pins rest upon the brace 7 and act successively to support the body as the body is rocked. By forming a second arc-shaped series of perforations 18 in a line of different curvature a different arc of movement will be given to the body of the machine as it is rocked.

The clothing or other material to be washed is placed in the body of the washing-machine with a suitable quantity of water and soap or other detergent, and as the body is rocked the water is thrown from end to end thereof upon and through the fabrics with the desired washing effect. The efficiency of the machine is increased by the addition of spaced bars 19, disposed transversely of the body at the bottom thereof.

To operate the machine, a handle 20 is pro-

vided and is removably engaged in a socket 21 on the side of the body.

When the materials are to be removed from the body of the washing-machine, the operating-handle is grasped and the body is rocked to one limit of its movement, as shown in Fig. 3, with the side 11 substantially horizontal to act as a shelf, the body being held in this position by means of the hook 22, which is pivotally connected with the supporting-frame at one end and is adapted for engagement with the eye 23 on the body of the machine.

In one end of the body is an opening 24, through which the water from the washing-machine may be drained, and this opening may have any suitable closure.

What is claimed is—

A washing-machine comprising a supporting-frame including uprights and transverse parallel braces secured against the inner faces of the upper ends of the uprights and having each a series of notches therein, a body, plates upon the sides of the body and adapted to fit with the body between the notched braces, arc-shaped series of sockets in each of the plates, and pins removably engaged with a series of sockets of each plate and disposed to successively engage the notches of the adjacent braces when the body is rocked.

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

FRANK E. WALDBY.

Witnesses:

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