

No. 685,854.

Patented Nov. 5, 1901.

C. B. MARTIN.
WASHING MACHINE.

(Application filed Mar. 1, 1901.)

(No Model.)

Fig. 1.

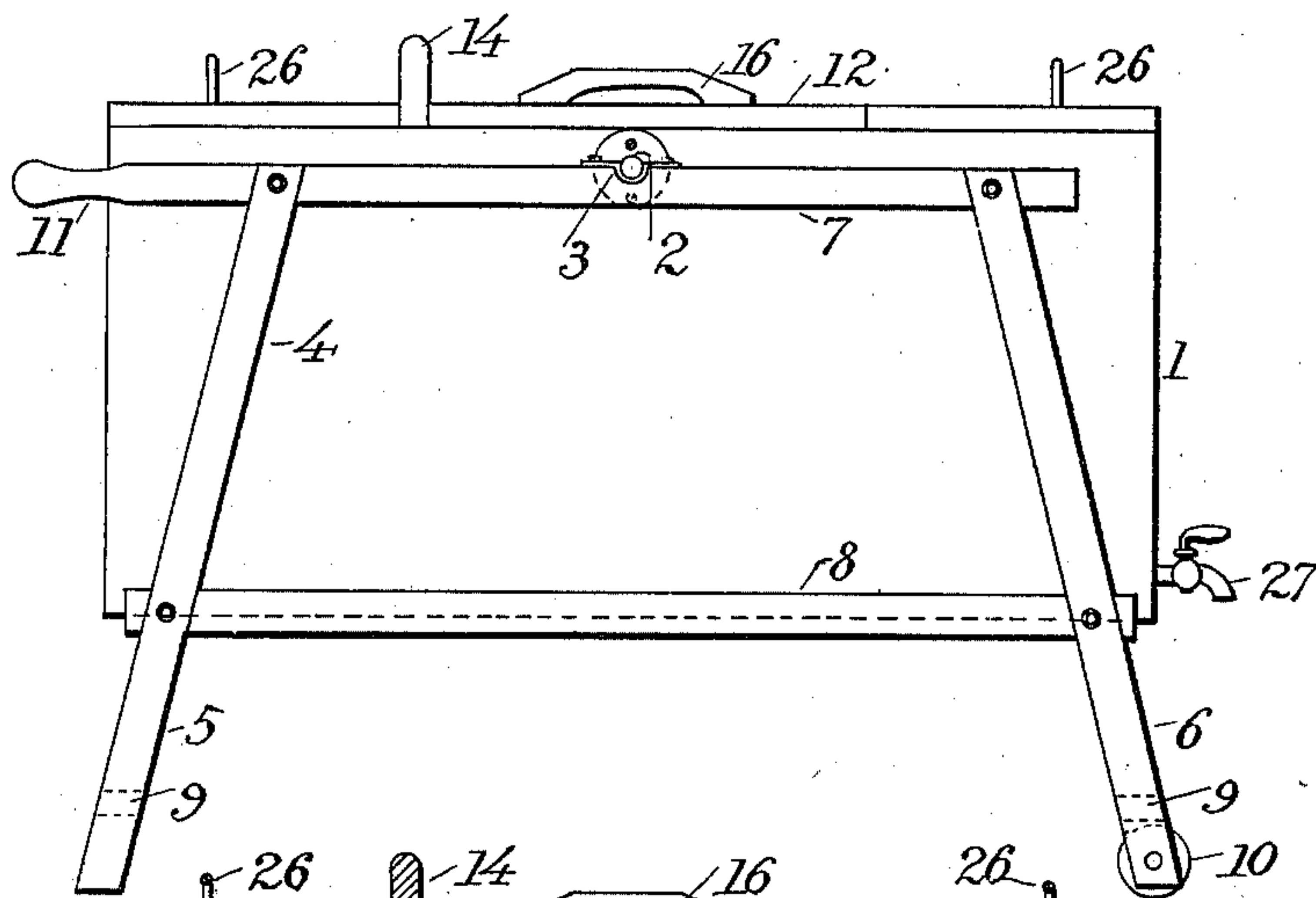


Fig. 2.

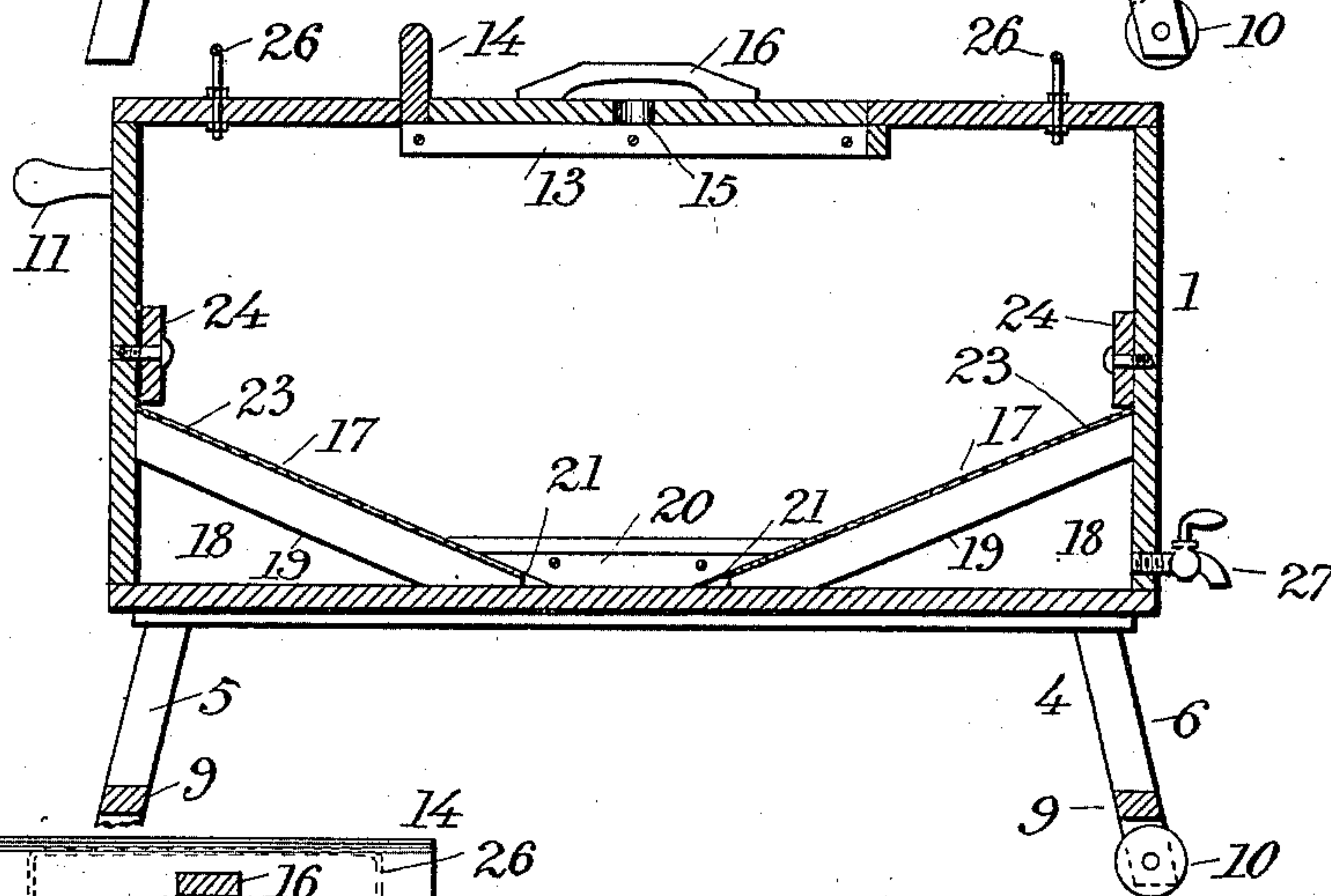


Fig. 3.

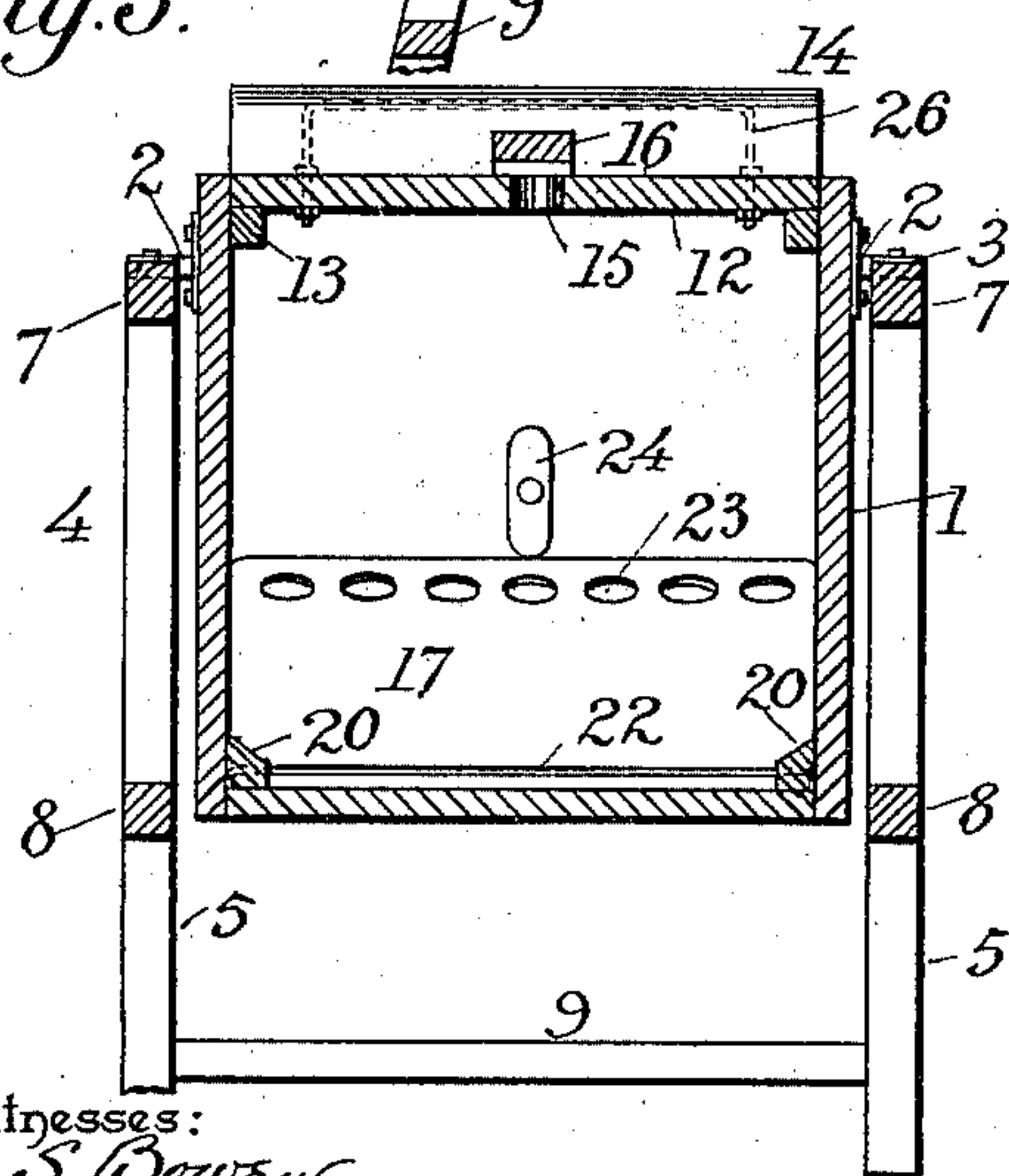
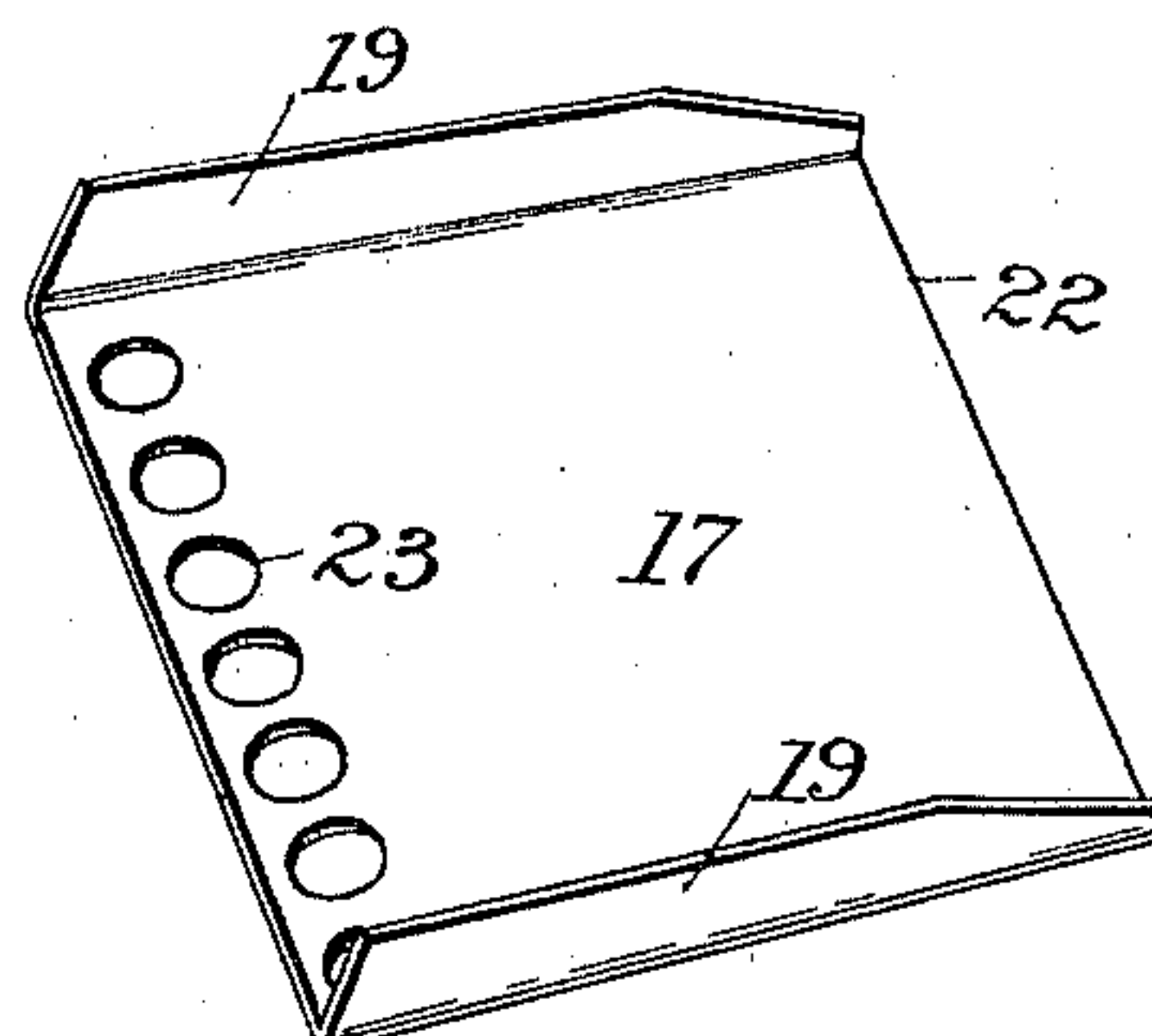


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES B. MARTIN, OF DODGE COUNTY, WISCONSIN.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 685,854, dated November 5, 1901.

Application filed March 1, 1901. Serial No. 49,481. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. MARTIN, a citizen of the United States, residing in the county of Dodge, in the State of Wisconsin, 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 improve the construction of washing-machines and to provide a simple, inexpensive, and efficient one capable of enabling the operation of washing to be rapidly and thoroughly performed at the expenditure of a minimum amount of labor and without wearing, tearing, or otherwise injuring clothes or other fabrics being operated on.

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 side elevation of a washing-machine constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a transverse sectional view. Fig. 4 is a detail perspective view of one of the removable plates.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates an oscillatory washing-machine body, rectangular in cross-section, designed to be constructed of wood or other suitable material, and provided at opposite sides with journals 2, which are arranged in suitable bearings 3 of a supporting-frame 4, composed of two sides connected below the body to form a space for the washing-machine body. The sides of the frame are provided with inclined legs or standards 5 and 6, which are connected by upper and lower horizontal bars 7 and 8, disposed longitudinally, as clearly illustrated in Fig. 1 of the accompanying drawings. The lower portions of the legs are connected by cross-bars 9, and the rear legs 6 are provided with rollers 10, preferably arranged on suitable pivots or stub-shafts and located at the inner faces of the standards or legs; but the latter may be bifurcated to form recesses for the reception of the rollers or

wheels. The front ends of the horizontal top bars 7 are extended and shaped into handles 11, which enable the front portion of the washing-machine to be readily lifted clear of the supporting-surface to throw the weight upon the wheels to enable the washing-machine to be readily moved.

The washing-machine body is provided at its top with a central opening, and it has a removable cover 12, arranged in the opening and supported by cleats 13, secured to the inner faces of the sides of the washing-machine body. At one end of the central opening is arranged an upwardly-projecting wringer-board 14, adapted to receive an ordinary wringer and to hold the same in position close to the opening of the washing-machine body, so that the clothes may be readily passed through a wringer. The cover is provided with a central opening 15, which is located beneath a handle 16, that is also adapted to operate as a guard to prevent any water from accidentally splashing through the opening upon the operator or the supporting-surface.

Within the washing-machine body is arranged a pair of removable inclined plates or partitions 17, forming air spaces or compartments 18 and preferably constructed of sheet metal and provided at opposite sides with supporting-flanges 19. The lower edges of the inclined plates or partitions are arranged beneath the ends of a pair of oppositely-disposed blocks 20, which are cut away at their ends to form lower tapering recesses 21 for the reception of the lower edges of the inclined plates or partitions. The flanges 19, which fit against the sides of the washing-machine body, are beveled or cut away at their ends to enable them to fit against the bottom and end walls of the body, as clearly illustrated in Fig. 2 of the drawings. The said flanges 19 also support the lower edges of the plates or partitions above the bottom of the washing-machine body to form spaces or openings, as clearly illustrated in Figs. 2 and 3, and the said plates or partitions are provided near their upper edges with openings 23, arranged in transverse series. The upper edges of the plates or partitions are engaged by suitable fastening devices, preferably consisting of pivoted buttons 24, which retain them in operative po-

sition and which permit them to be readily removed when desired.

The washing-machine body is provided at its top near its ends with transversely-disposed handles 26, consisting of rods having their terminals bent at right angles and secured to the top of the body by any suitable means. The body is adapted to be oscillated from either end, and the water flowing freely from one end of the same to the other flows over the inclined plates or partitions and passes downward through the openings at the upper or outer ends of the same into the air-chambers, thereby expelling the air and forcing the same back through the small openings between the lower or inner ends of the plates or partitions and the bottom of the body and causing a comparatively strong and almost constant rush of air and water upward through the entire bulk of the clothes. By this operation the clothes are rapidly and thoroughly cleaned without wearing, tearing, or otherwise injuring the fabrics and without rubbing or pounding the same. After the operation of washing has been completed the plates or partitions may be removed for cleaning the washing-machine, and the body is preferably provided at one end with a faucet 27 or other suitable means for draining the machine.

It will be seen that the washing-machine is exceedingly simple and inexpensive in con-

struction, that it is easily operated, and that it is capable of rapidly and thoroughly washing clothes and other fabrics.

What I claim is—

The combination of a body, the oppositely-disposed inclined plates arranged at the ends of the body and provided with apertures, each plate being constructed of a single piece of material and having its side edges bent downward to form supporting-flanges, said flanges fitting against the bottom and ends of the body and supporting the lower edge of each plate above the bottom of the body, the centrally-arranged blocks interposed between and abutting against the plates and secured to the sides of the body and having their ends cut away at the bottom and forming projecting upper portions overlapping the plates and holding the latter against the bottom of the body, and fastening devices arranged at the tops of the plates and engaging the same to hold the said plates in engagement with the centrally-arranged blocks, substantially as described.

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

CHARLES B. MARTIN.

Witnesses:

S. J. SUMNER,
W. P. SMITH.