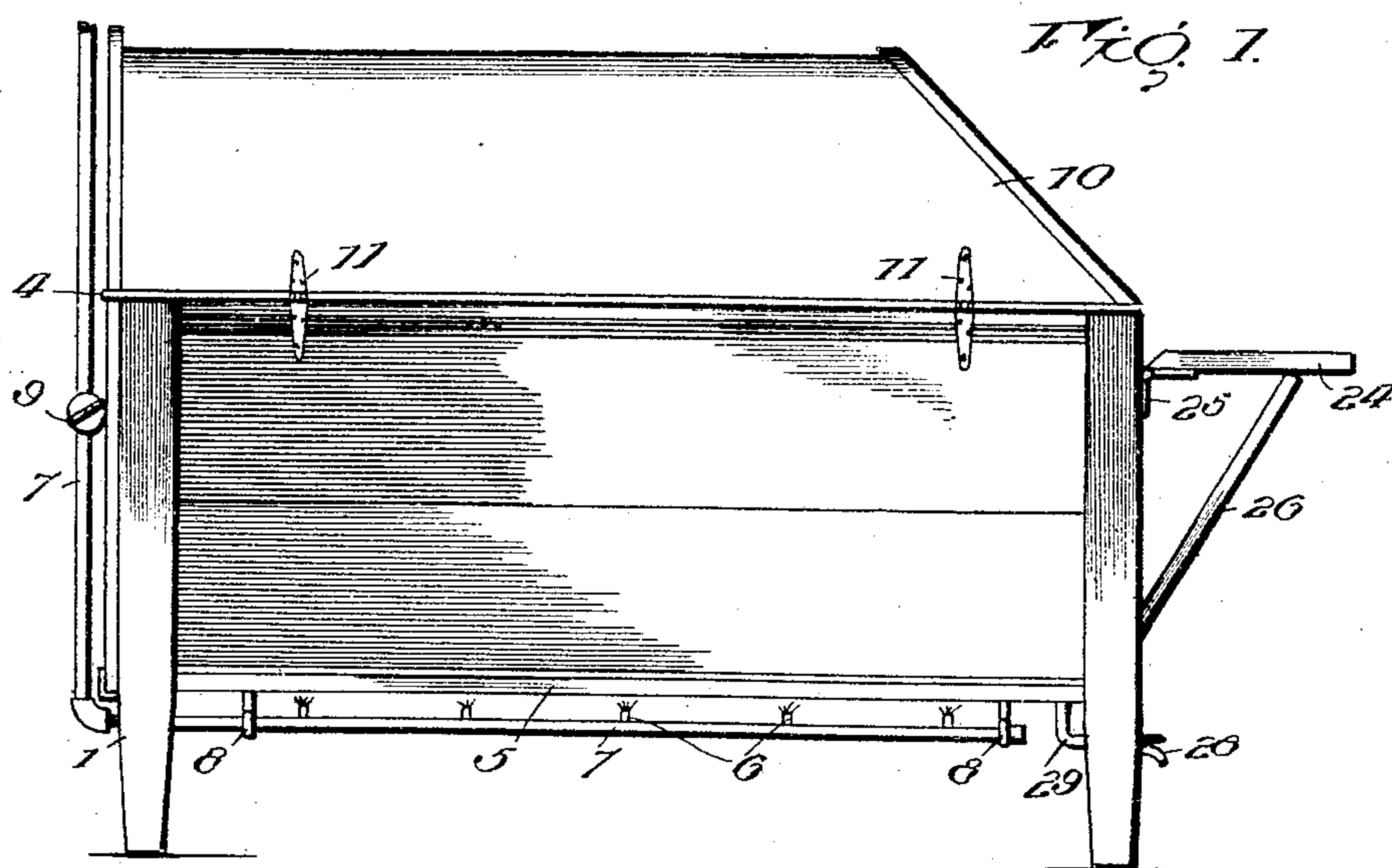


No. 786,127.

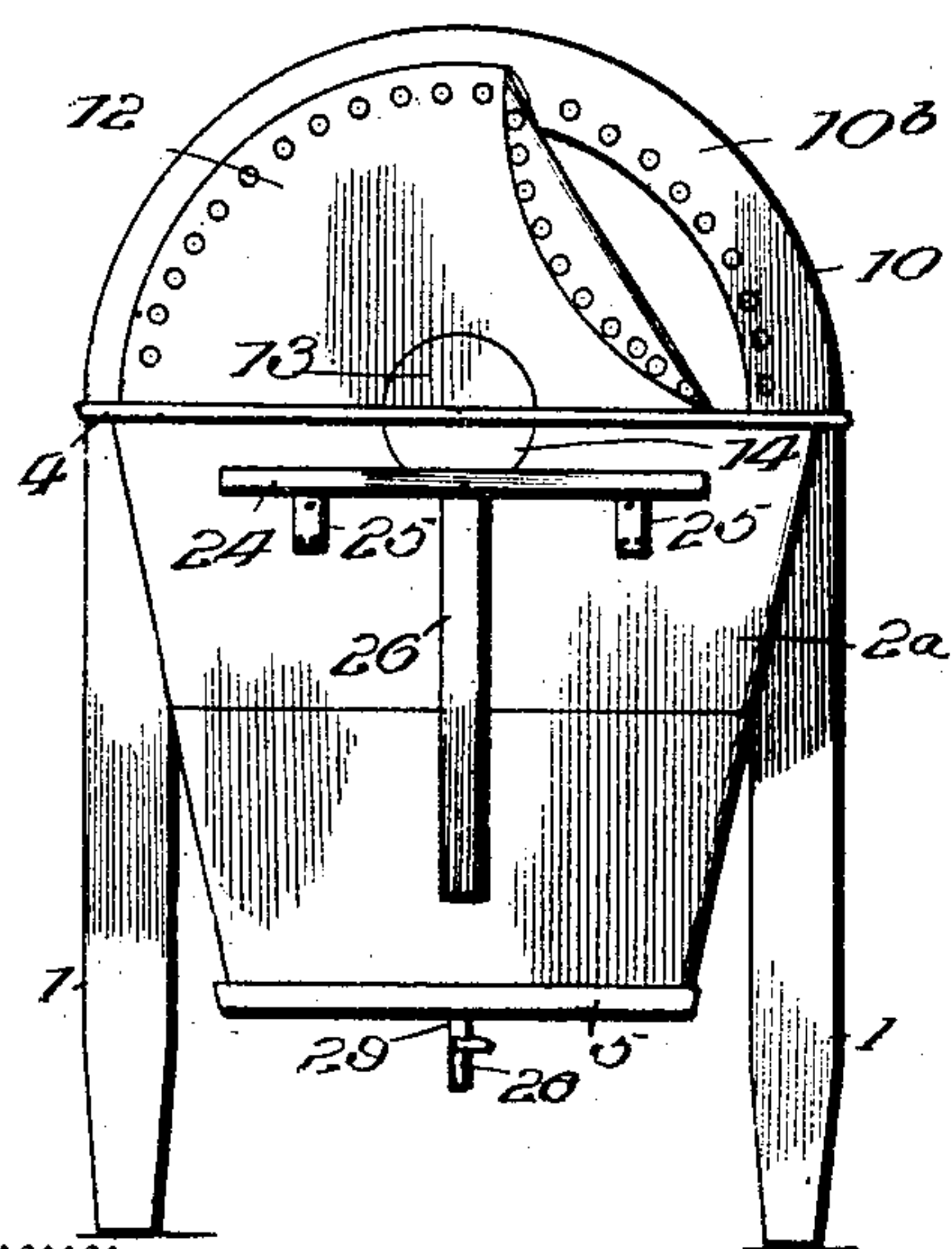
PATENTED MAR. 28, 1905.

C. H. C. JORDAN.
BATHING APPARATUS.
APPLICATION FILED JULY 2, 1903.

2 SHEETS--SHEET 1.



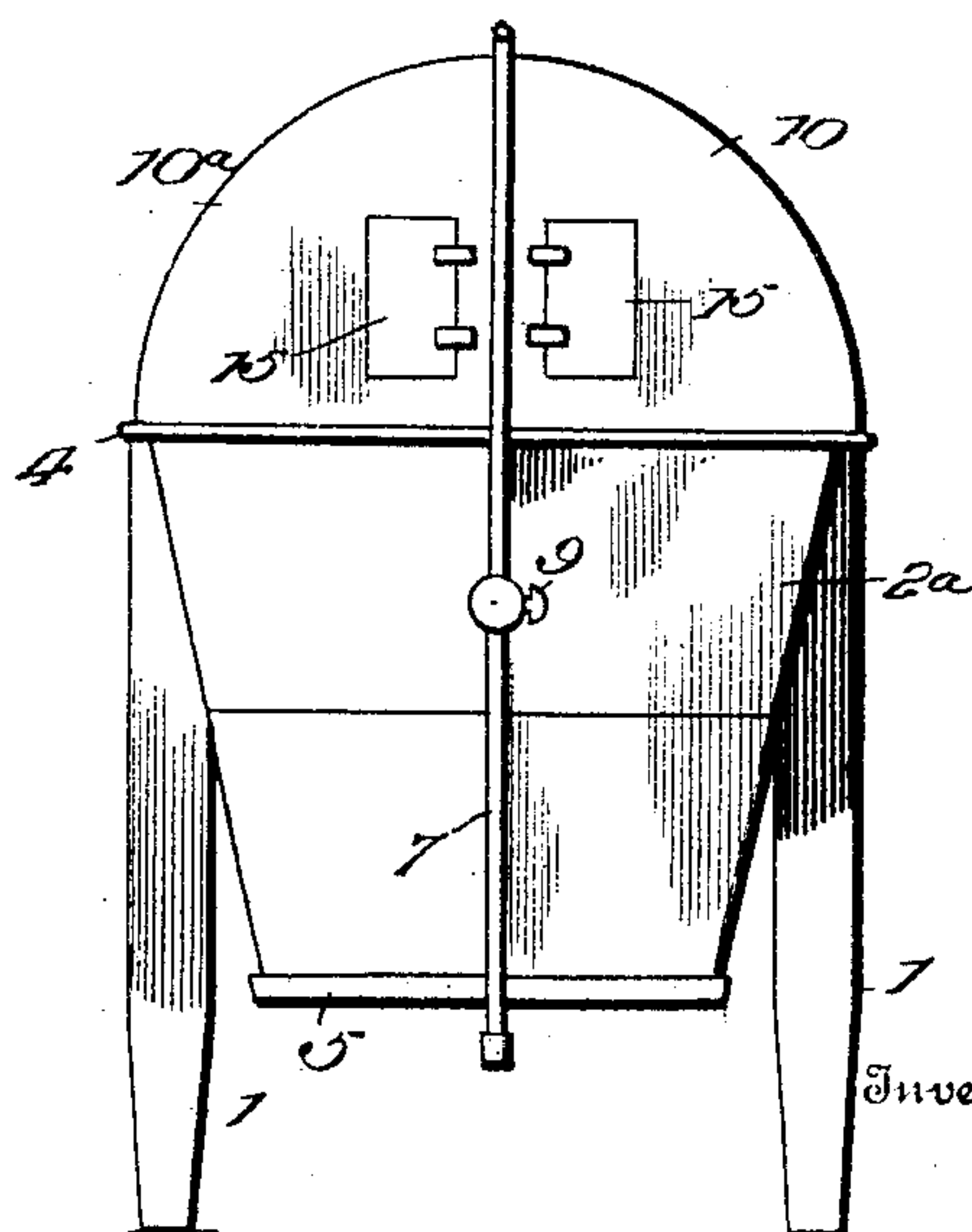
$\pi \times \phi_2$



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2 SHEETS—SHEET 2.

FIG. 4.

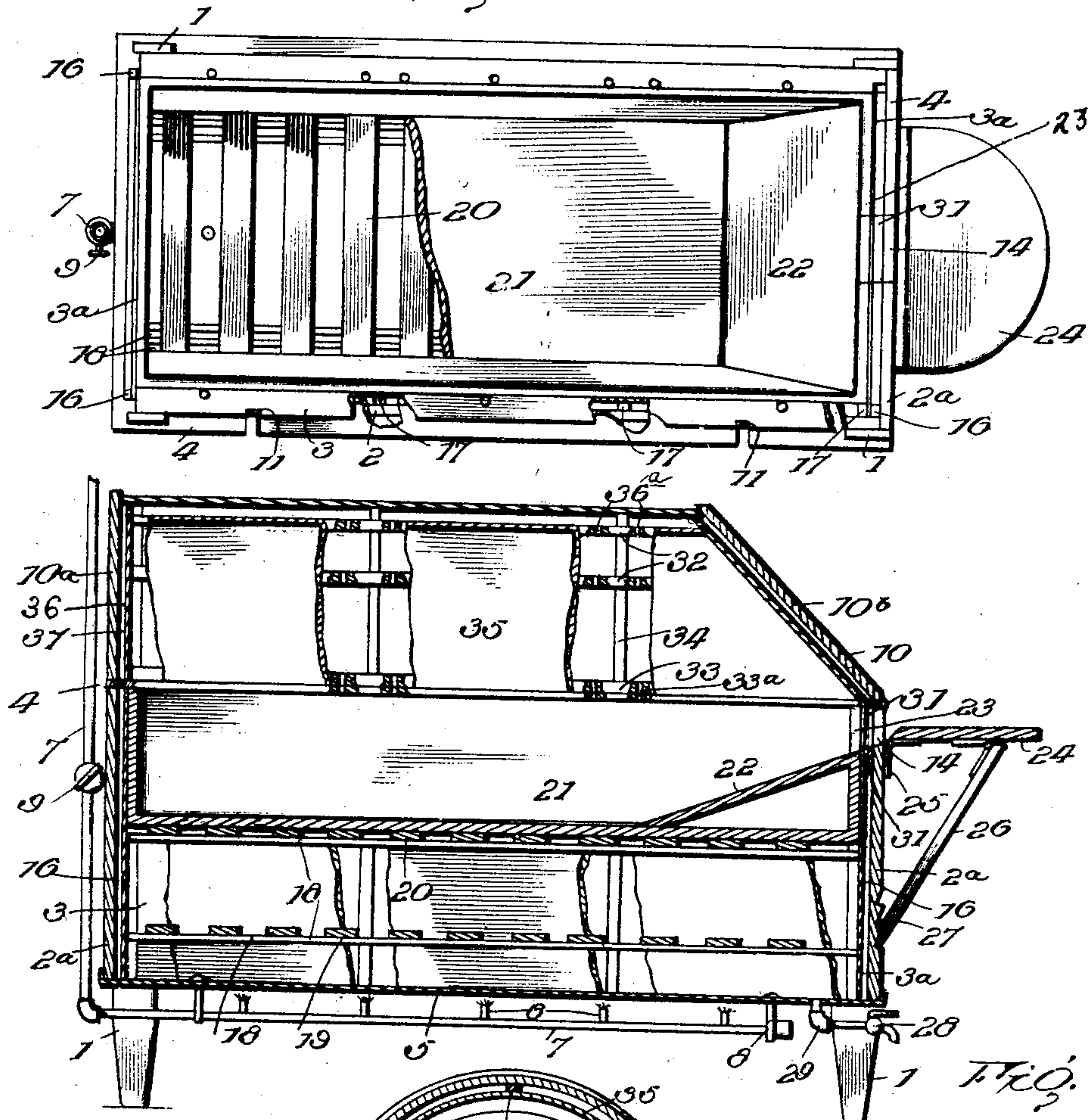


FIG. 5.

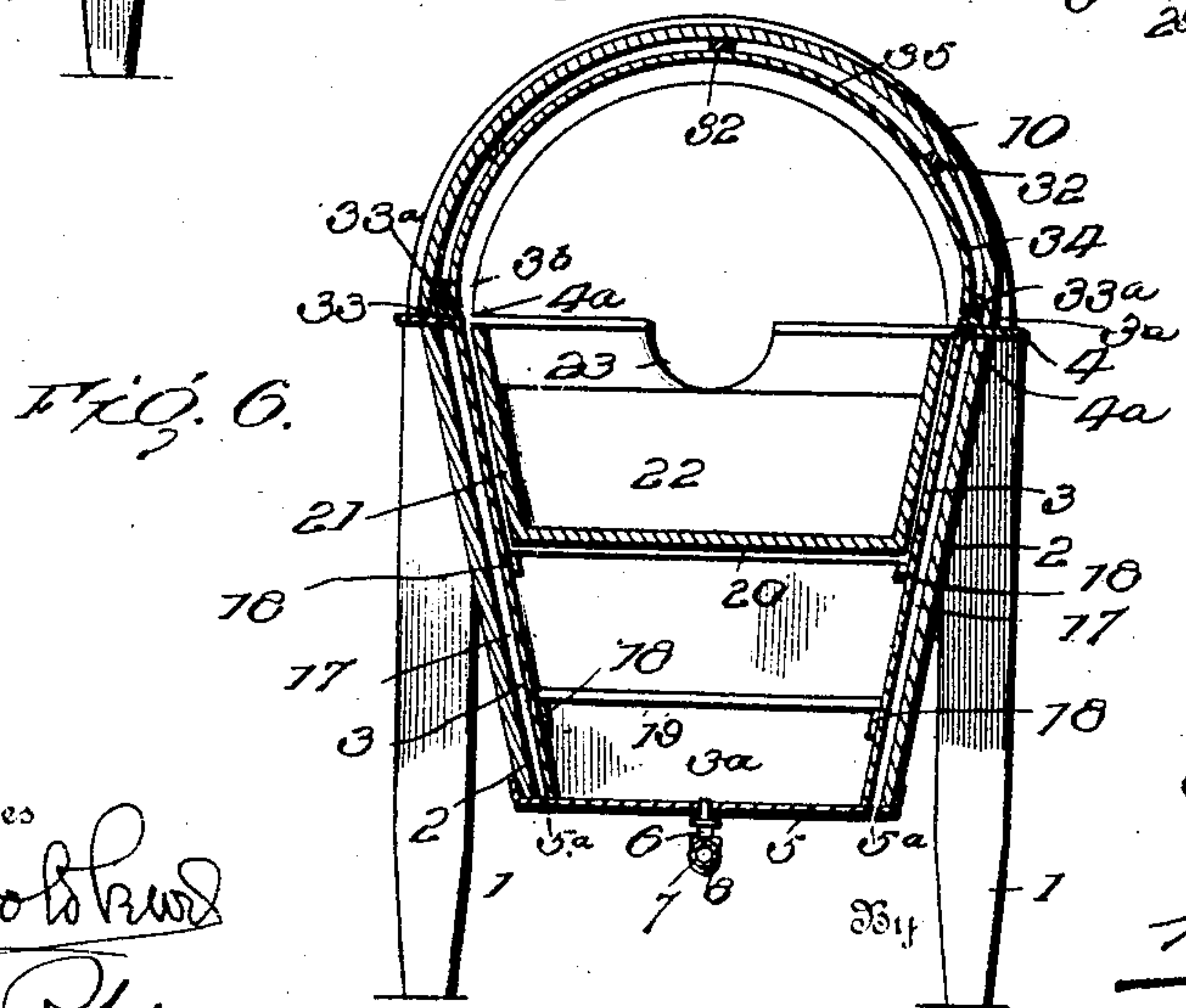


FIG. 6.

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UNITED STATES PATENT OFFICE.

CHASING H. C. JORDAN, OF KANSAS CITY, KANSAS.

BATHING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 786,127, dated March 28, 1905.

Application filed July 2, 1903. Serial No. 164,096.

To all whom it may concern:

Be it known that I, CHASING H. C. JORDAN, a citizen of the United States, residing at Kansas City, in the county of Wyandotte and State of Kansas, have invented certain new and useful Improvements in Bathing Apparatus; and I do 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 the figures of reference marked thereon, which form a part of this specification.

My present invention relates to bathing apparatuses, and more particularly to a bathing apparatus which is especially adapted for use for medicinal as well as ordinary bathing purposes; and my invention consists in many improved details of structure hereinafter described and claimed, with reference to the accompanying drawings, in which like reference-numerals refer to like parts, and in which—

Figure 1 is a side elevation of my improved bathing apparatus. Fig. 2 is a front end view of the same. Fig. 3 is a rear end view of the same. Fig. 4 is a top plan view of the same with the top removed and the bottom of the tray partly in section to more clearly disclose the structure. Fig. 5 is a longitudinal section of the apparatus, and Fig. 6 is a cross-section of the same.

The object of my invention is to provide a bathing apparatus which can be used for ordinary bathing purposes, vapor-baths, medicated-mud baths, and for many other purposes which will readily suggest themselves upon perusal of the following description and, furthermore, a bathing apparatus which will when desired be self-heating and which is simple and cheap of construction and highly efficient in use.

Further objects of my invention are to provide many improved details of structure. I will now proceed to describe my invention in detail.

1 represents the legs of the apparatus supporting the casing thereof.

The casing of my apparatus consists of a top 10, sides 2, and ends 2^a.

5 is the bottom of the tub within my apparatus, of sheet-zinc or other suitable material, such bottom being secured to the casing by overlapping the sides 2 and the ends 2^a. Bottom 5 also constitutes the bottom of my apparatus. Secured to the inner side of the sides 2 are vertical strips or cleats 17, to which sheet-zinc 3 or other suitable material is secured. Strips or cleats 17 form air-spaces between sheet-zinc 3 and the sides 2, which air-spaces communicate with the outside atmosphere through holes 5^a in the bottom 5. Ends 2^a are likewise provided with vertical strips or cleats, (shown at 16,) to which is secured sheet-zinc or other suitable material 3^a, said strips 16 creating air-spaces between ends 2^a and zinc 3^a, which air-spaces are open at their upper ends. Zincs 3, 3^a, and 5 form the walls and bottom, respectively, of the tub within the casing of my apparatus. Beneath the bottom 5 is a series of burners 6, fed by pipe 7, hung on hangers 8, said pipe 7 being controlled by cock 9 and adapted to be connected to a suitable gas-supply.

Within the tub of my apparatus I arrange four horizontal parallel strips 18, preferably of hardwood, which will not easily be injured by the action of moisture, the same being secured to the sides of the tub, preferably by nailing through zinc 3 into strips or cleats 17. Upon strips 18 I arrange slats 19 20, slats 20 being above the slats 19 and supporting a tray 21, having a portion of its bottom slanting, as at 22. Tray 21 and slats 19 20 are all removable from the apparatus by lifting the same out of the casing. Tray 21 is provided in its front end with a neck-opening 23, adapted to register with a similar opening 14 in the front end 2^a of the casing. The space between said openings 23 and 14 is filled by a semicircular block 31, adapted to close the air-space between the front end 2^a and the zinc 3^a.

10 is the top of the apparatus, provided with longitudinal strips 32 and 33, said strips 32 and 33 being countersunk in arched strips 34, secured to the outer wall of the top 10. To strips 32 and 33 is secured a lining of sheet-zinc 35, so that air-spaces are formed between the outer wall of top 10 and said lining. 36^a represents perforations in strips 32, and 33^a

similar perforations in strips 33, to provide passages for the heated air to the upper air-spaces. Perforations 33^a are adapted to register with perforations 3^b in the overlap of the zinc lining 3, and perforation 3^b in turn registers with a perforation 4^a in the beading 4. The end 10^a of top 10 is provided with vertical strips 36, to which is nailed or otherwise secured a lining of sheet-zinc or other suitable material 37, said strips 36 forming air-spaces between the end 10^a and the lining 37, which air-space communicates with the open end of the air-space in the rear end of the lower part of the casing.

Top 10 is provided with a flaring front 10^b, so that the vision of the occupant of the tub will not be cut off. Top 10 is hinged to the side 2 at 11, or, if desired, top 10 may be made in two sections hinged at their lower ends to the sides 2 and closing toward the center. Top 10 may be secured to the apparatus in any other suitable manner desired and may be so secured as to be entirely removable therefrom. Top 10 is open at its front end, but is adapted to be closed by a curtain 12, secured by buttons or otherwise to said end. Curtain 12 is provided at its lower edge with a semicircular neck-opening 13, adapted to register with the opening 14 in the front end of the apparatus. Top 10 is provided at its rear end with a pair of ventilating-doors 15.

24 is a head-rest hinged at 25 to the front end of the apparatus and adjustably supported at its outer end by a hinge-leg 26, pointed at its lower end and adapted to engage notches 27, cut in the front end of the apparatus.

28 is an exhaust-spigot connected to pipe 29, tapped into bottom 5.

The various uses of my improved apparatus will appear as follows: Water being placed in the bottom of the apparatus in the tub and medicated mud in tray 21, the burners 6 are lighted, the water becoming rapidly heated and forming vapor or steam, which circulates upwardly through slats 19 20, around the sides of the tray 21, and into the dome of the top 10, which is kept closed until the atmosphere of the apparatus has reached the desired temperature, when the top is thrown back on hinges 11 and the patient is placed in the medicated mud in tray 21, the body resting on the bottom and slanting portion 22 thereof with the neck projecting through the openings 23 14 and the head resting on the head-rest 24, whereupon top 10 is closed so that opening 13 in curtain 12 fits closely around the patient's neck. In this manner the bath continues. As will be readily understood, the hot air enters at the bottom through the openings on each side of the tub and fills the air-spaces between the sides and the lining and between the top and the top-lining. As there is no way for the air to escape except through the openings at the bottom, the hot air entering at

the bottom must get out the same way or stay. This causes the air to become compressed to a certain extent in the air-spaces, so that when the interior has become heated the gas-jets under the tub may be turned down and the tub kept at an even and desired temperature.

If desired, in the use of my improved apparatus the tray 21 may be removed and the apparatus used only for a vapor-bath, the patient's body being supported by slats 20, or if it is desired to give the patient an ordinary water-bath both the tray 21 and the slats 20 may be removed, the apparatus being filled to the desired depth with water and the heating-burners 6 being lighted or not, as desired. In this latter use of the apparatus the body is supported on slats 19 just above the metallic bottom 5, slats 19 serving to protect the body from burns and blistering because of the intense heat of the bottom 5 when burners 6 are lighted. If the apparatus is used in its closed condition, the temperature may be regulated by opening the ventilating-doors 15 or closing the same.

After use of the apparatus the water may be drawn therefrom by spigot 28 through pipe 29.

I do not wish to be understood as limiting myself to the exact details of structure herein shown and described, inasmuch as the same may be varied without departing from the spirit of my invention.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. A bathing-tub comprising a single bottom and double walls having perforations in the bottom for the entrance of heated air, upright cleats on the inner wall parts of the tub, two rows of slats supported by said cleats and arranged one above the other, the upper row of slats being removable, and a removable tray supported by the upper row of slats.

2. A bathing-tub comprising a single bottom and double walls, a hinged top having double walls, and perforations in the bottom of the tub between the two parts of each double wall and in the top joint for the passage of air.

3. A bathing-tub comprising a single bottom and double walls, a hinged top having double walls, perforations in the top and bottom of each of the double side walls between the two parts thereof, and perforations between the two parts of the double wall of the cover registering with the perforations in the side walls providing a continuous passage of air around the tub.

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

C. H. C. JORDAN.

Witnesses:

H. H. STANDISH,
GEO. R. HOUSE.