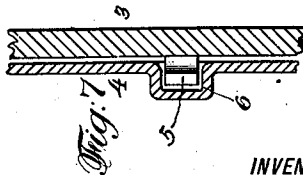
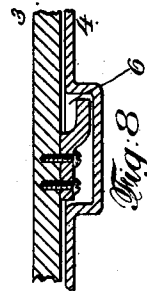
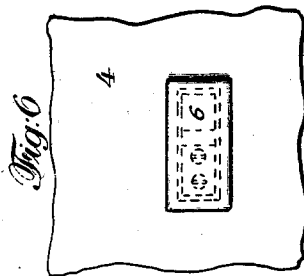
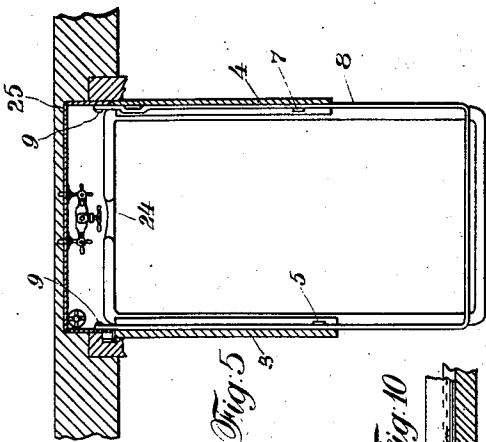
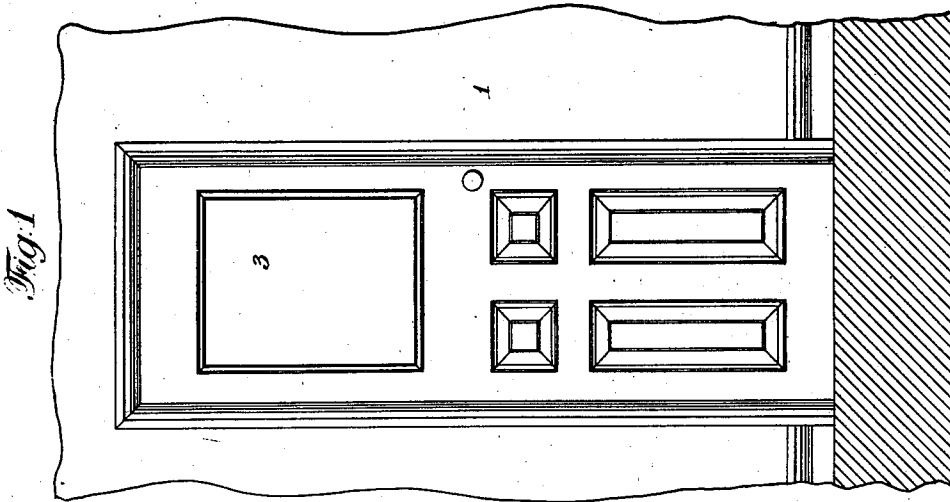


APPLICATION FILED JUNE 5, 1909.

2 SHEETS-SHEET 1.



WITNESSES :

M. Meikle.
A. Newcomb

INVENTOR

Richard L. Leo

BY
Prindle Wright

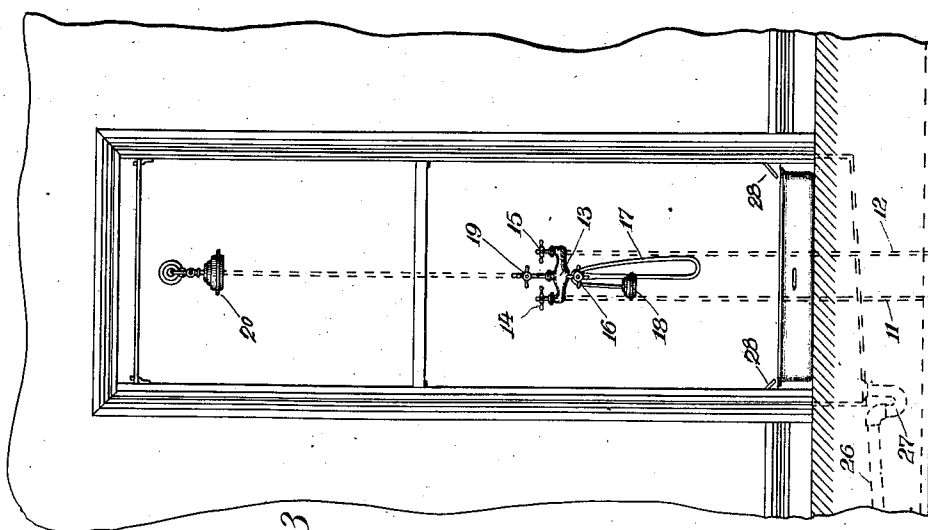
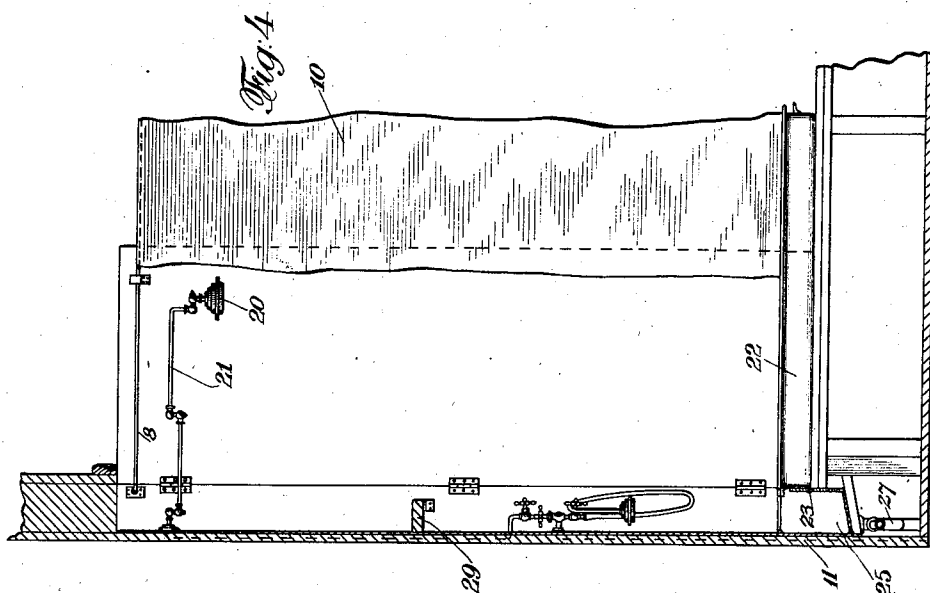
ATTORNEYS

979,973.

R. L. LEO.
FOLDING BATH TUB.
APPLICATION FILED JUNE 5, 1909.

Patented Dec. 27, 1910.

2 SHEETS—SHEET 2.



WITNESSES:
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UNITED STATES PATENT OFFICE.

RICHARD L. LEO, OF NEW YORK, N. Y.

FOLDING BATH-TUB.

979,973.

Specification of Letters Patent. Patented Dec. 27, 1910.

Application filed June 5, 1909. Serial No. 500,345.

To all whom it may concern:

Be it known that I, RICHARD L. LEO, of New York, in the county of New York and in the State of New York, have invented a certain new and useful Improvement in Folding Bath-Tubs, and do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to an improvement in folding bath tubs, and especially to means for locating a bath tub in a room in such a manner that when unused, it can be folded into a small recess located in the wall.

At the same time, my invention comprises a bath tub containing all of the appurtenances of a shower bath, and has the further advantage that when it is located in the wall in its folded position, the door closing the wall opening has the appearance of a door leading to an ordinary closet.

I have shown one embodiment of my invention in the accompanying drawings in which—

Figure 1 is an elevational view of a wall containing the bath tub shown in the position in which it is folded into the recess, and the recess closed by a door; Fig. 2 is a vertical cross-section of the same; Fig. 3 is an elevational view of the same showing the bath tub in a position ready for use; Fig. 4 is a vertical cross-section of the parts in the position shown in Fig. 3; Fig. 5 is a horizontal cross-section of the same; Fig. 6 is an elevational view of a portion of one of the doors showing the provision of a recess to receive a bracket which projects from the other door; Fig. 7 is a horizontal cross-section of the same; Fig. 8 is a vertical cross-section of the same; Fig. 9 is a vertical cross-section of a portion of one of the doors showing one of the projecting guards; and Fig. 10 is a horizontal cross-section of the same on line 10—10.

In the drawings, 1 is a wall provided with a recess 2, which recess is closed by a door 3 having the appearance of an ordinary closet door. The door 3 when open is designed to occupy a position at right angles to the wall and thereby form a protection for the bather at one side of the tub. An inner door 4, preferably made of metal, is hinged to the other side of the door opening, and is designed, when open, to occupy a position at right angles to the wall in a manner similar to the outer door 3. The outer door 3 is provided with an upwardly

directed bracket 5, which, in the closed position of the door, is received within a recess 6 upon the inner door 4, so as to permit the doors 3 and 4 to fit closely together. The inner door 4 carries a similar bracket 7. The brackets 5 and 7 are provided for the purpose of supporting in a horizontal position a bail-shaped rod 8, supported upon pivots 9 from the interior of the recess 2. The purpose of the rod 8 is to support a curtain 10. The curtain 10 extends around all three sides of the rod and surrounds every portion of the tub not inclosed by the doors 3 and 4. A hot water pipe 11, and a cold water pipe 12 shown in dotted lines in Fig. 3, lead upwardly through the wall at the rear of the recess 2, and are connected to a mixing chamber 13 having valves 14 and 15 to control the supply of hot and cold water. The mixing chamber 13 has a downwardly extending valved outlet 16 connected by means of a flexible tube 17 to a nozzle 18 and a similar upwardly directed valved outlet 19, which leads to a shower 20. The shower 20 is supported upon an extensible bracket 21. At the lower part of the recess a bath tub 22 is hinged upon pivots 23, so that the same may be moved into either a vertical or a horizontal position. At the rear of the bath tub there is provided a depression 24, which will lead off the overflow of the tub into the bottom of the recess 2. The bottom of the recess 2 is provided with a water-tight lining 25, and the floor at this point is inclined downwardly to one side of the recess, where the latter has connected thereto a drainage pipe 26 having located therein the usual trap 27. The lining 25 may be extended to the top of the recess 2. Each of the doors 3 and 4 has attached thereto upon its inner face a flexible guard 28 to prevent the water which may be splashed upon the doors or curtain from falling beyond the sides of the tub upon the floor of the room. At the rear of the recess there is provided a shelf 29, to receive the curtain 10 when the same is rolled or folded into its unused position.

In the operation of the device, assuming that the parts have been moved into their folded position, as shown in Fig. 2, the doors 3 and 4 are moved outwardly into positions at right angles to the wall 1. The rod 8 is moved upwardly until the sides thereof are supported upon the brackets 5 and 7. When moved into this position, the

curtain 10 falls downwardly. The tub 22 is now lowered upon its pivots 23 until it assumes a horizontal position upon the floor of the room. If it should be designed to use the shower 20, the same is moved outwardly upon its extensible bracket 21 until it occupies the desired position. By manipulating the hot and cold water valves 14 and 15, water of the proper temperature can now be supplied to either one of the valved outlets 16 and 19. If it is desired to use the shower, the valved outlet 19 is opened to supply water to the nozzle 20. Should it be desired to fill the tub with a quantity of water, the same can be accomplished by lowering the nozzle 18 into the tub and opening the valved outlet 16. In order to discharge the water from the tub 22, it is merely necessary to raise it upwardly into a vertical position, whereby all of the water therein is gradually poured into the lower portion of the recess 2, and is drained away by means of the drainage pipe 26.

In order to move the remaining parts into the recess 2, the extensible bracket 21 carrying the nozzle 20 is folded backwardly against the rear of the recess 2, the rod 8 is moved upwardly away from the brackets 5 and 7, the brackets 5 and 7 are moved from beneath the bail by moving the doors outwardly, the rod 8 is then permitted to assume a vertical position, the curtain 10 is folded or rolled up in any suitable manner and placed upon the shelf 29, and the doors 3 and 4 are then closed.

It will be noted that by the above arrangement I am enabled to provide a tub of large dimensions for use in an ordinary room equipped with the usual bathing attachments, and that, nevertheless, when moved into their unused position, the various parts occupy such a small space that they can be readily located in a wall of the usual thickness.

While I have described my invention above in detail, I wish it to be understood that many changes may be made therein without departing from the spirit of my invention.

I claim:—

1. In a device of the character described, the combination of a wall having a recess, bathing attachments that are adapted to be folded into said recess, an outer door, and an inner door which open at different sides of the recess said doors being hinged at their edges.

2. In a device of the character described, the combination of a wall having a recess, bathing attachments, including a bath-tub that are adapted to be folded into said recess, an outer door, and an inner door which open at different sides of the recess.

In testimony that I claim the foregoing I have hereunto set my hand.

RICHARD L. LEO.

Witnesses:

A. NEWCOMB,
M. MEIKLE.