W. J. HILL.

BATHING APPARATUS.

No. 192,164. Patented June 19, 1877.

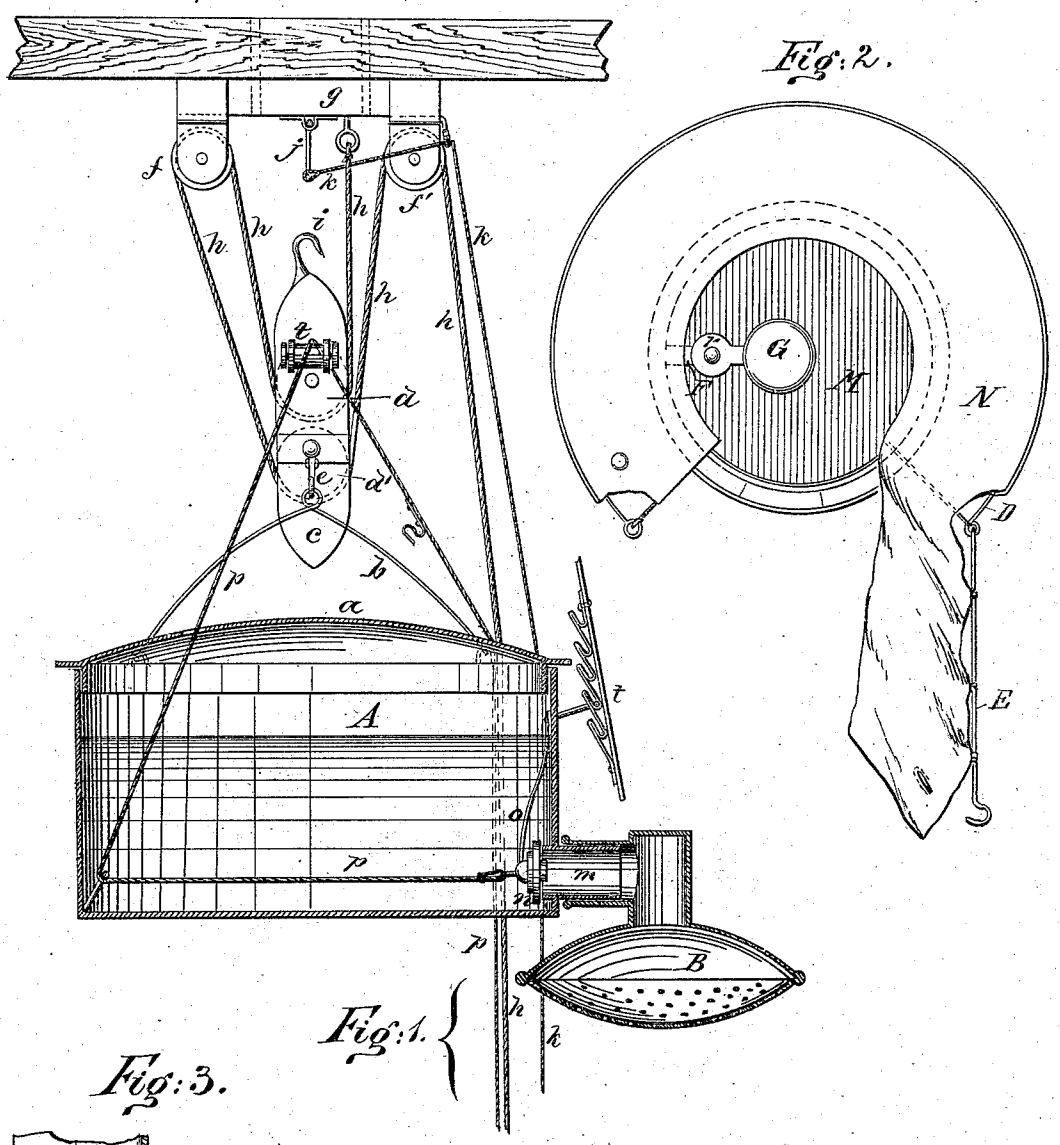
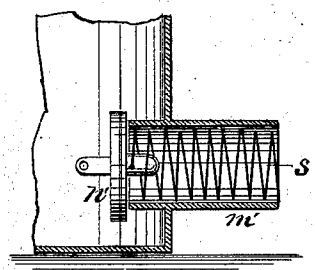
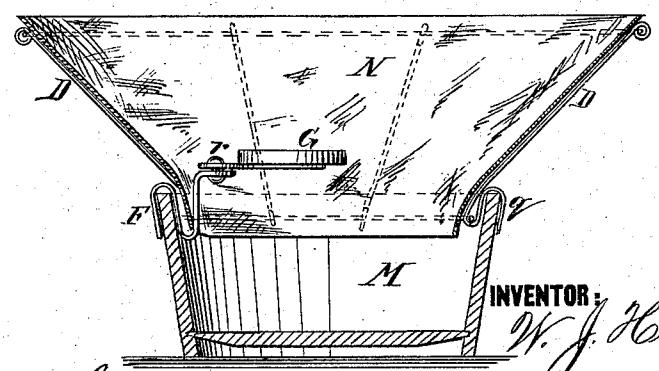


Fig: 1.

Fig: 2.

Fig: 3.





WITNESSES:

Chas Nida

J. H. Scarborough.

INVENTOR:

W. J. Hill.

BY

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM J. HILL, OF MATTESON, ILLINOIS.

IMPROVEMENT IN BATHING APPARATUS.

Specification forming part of Letters Patent No. **192,164**, dated June 19, 1877; application filed April 23, 1877.

To all whom it may concern:

Be it known that I, WILLIAM J. HILL, of Matteson, in the county of Cook and State of Illinois, have invented a new and Improved Bathing Apparatus, of which the following is a specification:

Figure 1 is a central vertical section of my improved apparatus. Fig. 2 is a plan view of the tub and attachment. Fig. 3 is a detail view of a modified form of valve.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide a convenient portable bathing apparatus, which may be used in localities where water is not distributed throughout dwellings in pipes as in the larger cities and towns.

Referring to the drawing, A is a reservoir for containing water, which may be of any convenient size, and may be made from any suitable material. This reservoir is provided with a cover, *a*, and with bails *b*, by which it is suspended. A block, *c*, containing the pulleys *d d'* is attached to the bails *b* by means of hooks *e*.

Pulleys *f f'* are attached to the ends of a bar, *g*, that is secured to the ceiling of the room in which the apparatus is used.

A cord, *h*, is fastened to a ring that projects from the bar *g* between the pulleys *f f'*, and runs downward under the upper pulley *d*, thence upward over the pulley *f*, and downward under the lower pulley *d'*, thence upward over the pulley *f'*, and downward to the floor.

A hook, *i*, is secured to the upper end of the block *c*, and a ring, *j*, hangs from a staple in the bar *g*, in position to be engaged by the hook *i* as the apparatus is raised to the ceiling.

A cord, *k*, is fastened to the ring *j*, and runs through an eye attached to the end of the bar *g*, and downward toward the floor.

A nipple, *m*, projects from the side of the reservoir A to receive the sprinkler B, which is held in place by hooks attached to the side of the reservoir.

The nipple *m* projects inwardly to receive a valve, *n*, that is attached to a spring, *o*, that is fastened to the side of the reservoir. A cord, *p*, is attached to the said valve, and runs through an eye attached to the opposite side of the reservoir, and over a pulley, *t*, at the side of the block *c*.

M is an ordinary tub, upon which a funnel-shaped wire frame, D, is supported by hooks *q* formed on the said frame.

A movable section, E, is provided, which may be opened to allow a person to step into the tub.

N is a covering of water-proof cloth, attached to the frame D, and capable of carrying any water that may fall upon it into the tub M.

The part of the covering that is attached to the movable section E overlaps the fixed portion, and is secured by a common button.

A bracket, F, hooks over the edge of the tub, and to it the seat G is jointed at *r*, so as to swing in a horizontal plane.

In Fig. 3 a modified form of valve is shown, in which a spiral spring, *s*, is secured to the nipple *m'*, and also to the valve *n'* and is designed for closing the valve.

The manner of using my improved bathing apparatus is as follows: The reservoir A is adjusted at a convenient height, and is filled with water when it is raised by drawing the cord *h* until the hook *i* engages the ring *j*. The bather then enters the tub, and closes the movable part E of the frame D, and either sits upon the seat G or stands. By drawing the cord *p* the valve *n* is opened, and the water contained by the reservoir A escapes through the sprinkler B, the quantity being controlled, of course, by opening the valve more or less, which is effected by pulling the cord *p*. The said cord is provided with a series of catches that engage a wire bar that is attached to the side of the reservoir A, as shown at *t* in Fig. 1.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The covered reservoir A, having the nipple *m*, the valve *n*, and sprinkler B, in combination substantially as herein shown and described.

2. The funnel-shaped frame D, having the movable part E, and hooks *q*, and the water-proof covering N, in combination substantially as shown and described.

3. The bracket F and seat G, in combination substantially as and for the purpose set forth.

WILLIAM JAMES HILL.

Witnesses:

HENRY BRUGGEMAN,

NICHOLAS FORTMILLER.