

Aug. 28, 1923.

1,466,047

E. K. JOHNSTONE
PORTABLE BATHTUB STAND

Filed Jan. 9, 1920

2 Sheets-Sheet 1

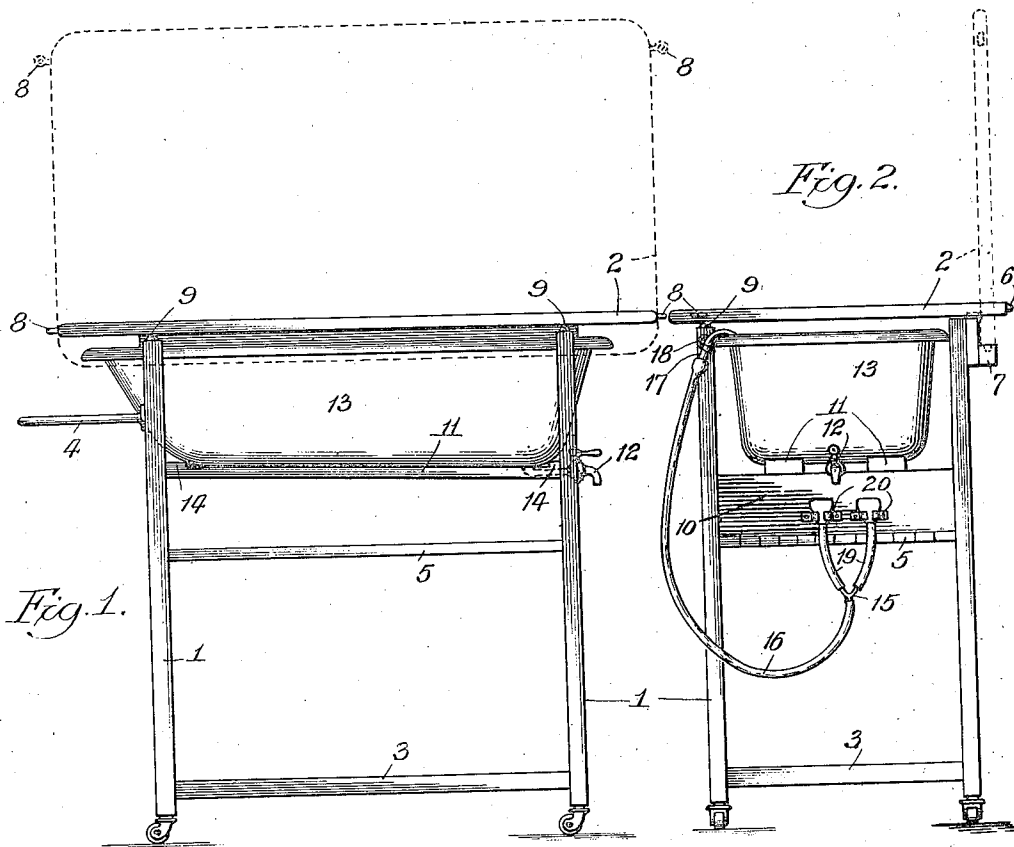


Fig. 1.

Fig. 2.

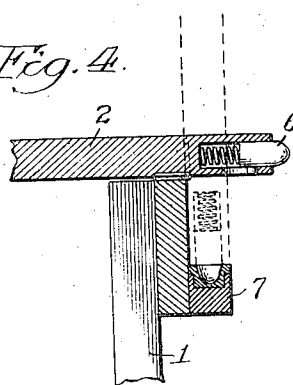
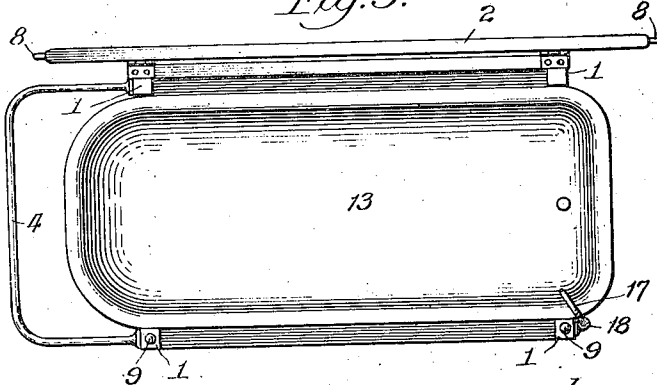


Fig. 3.



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2 Sheets-Sheet 2

Fig. 5.

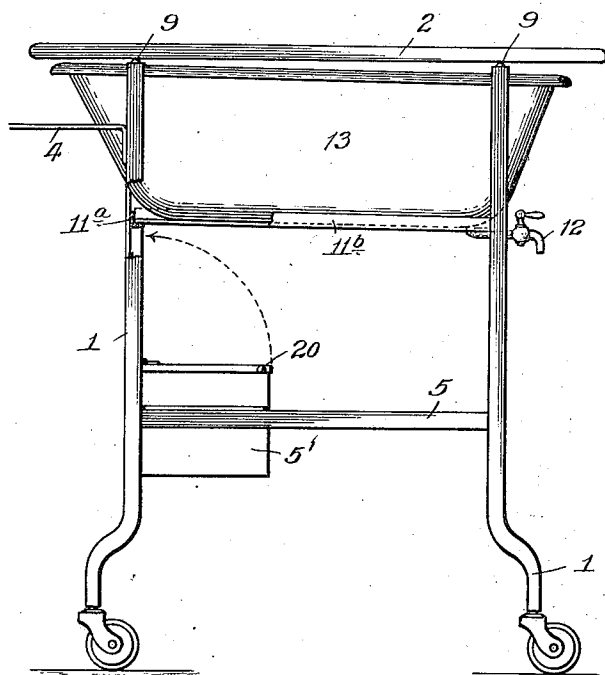


Fig. 6.

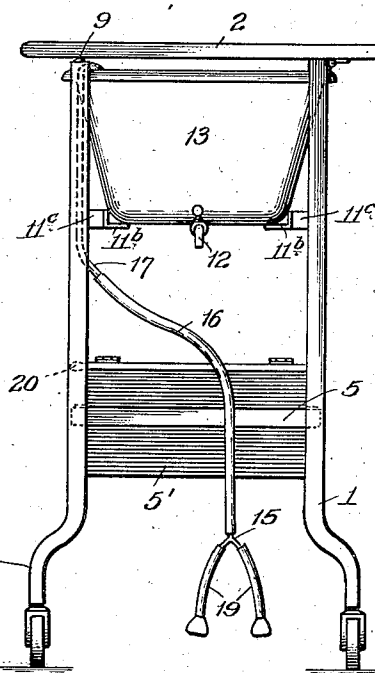


Fig. 7.

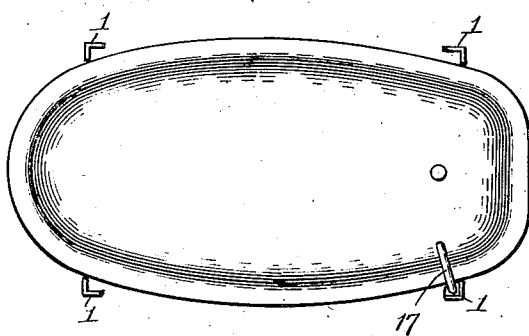
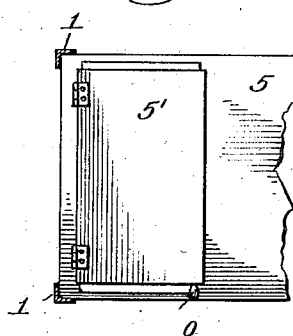


Fig. 8.



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UNITED STATES PATENT OFFICE.

EDWARD KNOX JOHNSTONE, OF KEOKUK, IOWA.

PORTABLE BATHTUB STAND.

Application filed January 9, 1920. Serial No. 350,432.

To all whom it may concern:

Be it known that I, EDWARD K. JOHNSTONE, a citizen of the United States, residing at Keokuk, in the county of Lee and State of Iowa, have invented certain new and useful Improvements in Portable Bath-tub Stands, of which the following is a specification.

This invention relates to portable stands, and particularly to those designed to support small bath tubs for infants and to furnish a dressing table of convenient size on which infants may be placed for dressing. Among the objects of my invention are the following: to provide a convenient dressing table for infants; to provide a convenient support for an infant's bath tub; to produce a support for an infant's bath tub such that the tub will be supported at a height suitable for use without stooping; to produce a convenient combined bath tub support and table; to produce a structure of the character stated which may be easily moved from one location to another; and such further objects, advantages, and capabilities as will later more fully appear.

My invention further resides in the combination, construction, and arrangement of parts illustrated in the accompanying drawing, and while I have shown therein a preferred embodiment, I desire the same to be understood as illustrative only, and not as limiting my invention.

In the accompanying drawings, forming a part of this specification, Fig. 1 is a side elevation of one form of my device. Fig. 2 is an end elevation and Fig. 3 a plan of the same structure. Fig. 4 is a detail of one of the tub edges showing a locking member designed to hold the table in elevated position. Fig. 5 is a side elevation, Fig. 6 an end elevation, Fig. 7 a plan view, and Fig. 8 a detail of a modified construction.

Referring in detail to the drawings, numeral 1 refers to the legs of the stand, 2 to the table hinged at one side to the top of the stand, and 3 to cross-pieces near the base of the legs forming a frame to brace the legs. At one end of the frame as shown by 4 is a bar which serves both as a support on which to hang towels or like fabrics and as a handle by means of which the stand may be pushed from place to place. Between the

top and bottom of the stand is a shelf 5 connected to the corner posts 1 and serving to support napkins or other articles below the tub and in convenient location. In the modified construction shown in Figs. 5, 6, and 8, the edges of the shelf are bent downwardly to form flanges and the shelf is perforated; in the perforation is located a metallic container 5', provided between the top and bottom with a shoulder to engage the top of the shelf and provided at its top with a cover hinged to be swung upwardly, as shown by the dotted line in Fig. 5. In this connection, it may be remarked that the stand shown in Figs. 1, 2, and 3 is constructed primarily of wood while that shown in the modified form is constructed of metal, the casters upon which the stand is wheeled from place to place being faced with rubber to reduce the jolt and noise. Furthermore, it is preferable to have these casters of moderately good size in order that the stand may be moved easily and without jolting over rugs, carpets, thresholds, and other uneven places.

In one edge of the table top there is mounted a spring pressed latch member 6, adapted to engage a socket member 7, as shown in Fig. 4, to hold the table top in raised position as shown in Figs. 1 and 2. This table top is preferably provided near its corners with attaching means 8, whereby a Turkish towel or similar fabric may be secured to the table top so that it will not slide. If this table top is made of wood, the attaching means 8 may be of glass, porcelain, wood, or other suitable material, while if the table top is of metal, the attaching means 8 will preferably be of metal also.

At the top ends of two of the legs are placed cushioning members 9, preferably of rubber, in order to reduce jolts and noise when the table top is lowered into a horizontal position.

In the form shown in Figs. 1, 2, and 3, there are mounted across the ends of the stand between opposite legs, boards 10 serving as supports for longitudinally arranged boards 11, upon which the tub 13 rests, and also serving as supports for the shelf 5. From the bottom of this tub, as shown in Figs. 1 and 2, leads a pipe, controlled by a

faucet 12 and extending outwardly between the two boards 11. This faucet is used for draining the bath water from the tub 13. It will be noted in this connection that boards 11 slope slightly toward the end at which is located the faucet, so that the bottom of the tub shall be inclined in that direction whereby all of the water may be drained from the tub without lifting the same. It is also noted that the tops of the boards 11 may be slightly depressed between the ends in order to provide stops 14 to prevent the tub from sliding endwise out of the stand. This result is attained in the construction shown in Figs. 5-8 by having the tub and posts so shaped and arranged, relatively, that the posts will prevent the tub from sliding longitudinally. This same arrangement may be carried out in the form shown in Figs. 1, 2, and 3 in lieu of having the stops 14.

In the modified construction shown in Figs. 5-8, there is a cross-bar 11^a connecting two end legs, and short bars 11^c connected to the other end legs. Connected to these bars 11^a and 11^c are longitudinal bars 11^b. These bars together form a supporting frame for the bath tub, to support the weight thereof and hold the same in position. If desired, the bars 11^c may be replaced by a single cross-bar, 11^a.

In order to supply the bath tub with water, there is provided a Y-connection 15, the stem of which is connected to a flexible tube 16, preferably rubber, having at its opposite end a hooked metallic tube 17, which may be temporarily hooked over the edge of the bath tub, or which may have a readily detachable fastening member 18 secured to one of the corner posts to hold the tube in place. The remaining ends of the Y are provided with the flexible tubes 19 having slip-on connections adapted to be attached to the faucets of a bath room fixture, whereby hot or cold water may be run into the bath tub to secure water of the proper temperature. Fasteners 20 of any appropriate design may be secured to the end board 10 to provide means for hanging up the end of the water supply tube to keep it from dragging on the floor.

It will be noted that the stand shown in the modified construction is substantially formed of angle irons secured together by spot welding or other suitable means. Attention is also directed to the fact that the tube 17 passes up through the angle of one of the angle iron posts and may be secured thereto so as to retain the same in position even though the tub be removed from the frame. If this construction is followed, it will be necessary to have the upper end of the pipe sufficiently shortened so that the tub may be conveniently removed or it will be necessary to have this pipe in two sections

connected by a pivotal joint fitting closely enough so that water will not leak out between the parts during the filling operation but yet the tube may be turned laterally to get it out of the way of the tub when it is desired to remove the same from the frame. In this construction, as in the one previously described, fasteners may be provided by means of which the filling pipe may be suspended to keep it off the floor. These would preferably be mounted on the bent-over edge of the shelf 5, which forms a flange by means of which the shelf may be attached to the corner posts.

Any convenient handle 20 may be provided for the lid of box 5', whereby to raise same when it is desired to put articles in or remove them from said box.

In the use of my device, the same may be wheeled to any suitable water supply, as the washbowl of the bath room. The slip connections of the filling pipe will then be connected to the faucets and the water turned on and regulated until the temperature of the water in the tub is satisfactory. When sufficient water has been placed in the tub, the flow of water may be discontinued and the stand wheeled to any place where it is desired to use the same, usually in a well warmed room away from drafts. The infant will then be placed in the tub and bathed, the top 2 being raised and held in position by spring pressed latch 6. When this top is up in the position shown in Figs. 1 and 2, it serves as means to prevent the drafts of air from striking the infant while being bathed. When the bath is completed, the child is taken from the water and the top 2 is lowered, as shown, the child being then placed on the Turkish towel or other fabric, which has been previously secured to the top, as indicated heretofore. The child may now be dried and dressed and placed in any warm location as desired. After this, the stand is again wheeled to a convenient place where the water may be discharged through the faucet 12 without the necessity of tilting the stand or tub.

It will be seen that everything necessary is conveniently arranged, the shelf 5 and box 5' serving respectively to receive clean and soiled articles of clothing, and the handle 4 at a convenient height from the floor serving also as means for supporting towels or other articles.

Having now described my invention, I claim:

A stand for a bath tub comprising legs, a shelf joining said legs, supporting members for a bath tub also joining the legs, and a table top hingedly connected to the top of the legs at one side of the stand and adapted to be elevated into a vertical position, said table top being provided with a

spring pressed plunger adapted to be received by a socket member when the top is raised to elevated position, and adapted to be disconnected from the socket member by the
5 act of pulling the table top to lower the same to serve as a cover for the bath tub.

In witness whereof, I hereunto subscribe

my name to this specification in the presence of two witnesses.

EDWARD KNOX JOHNSTONE.

Witnesses:

JOSEPH J. McCaffrey,
HENRY ASHLEY.