July 17, 1951 C. E. BURNS 2,561,265

COLLAPSIBLE BATH CABINET

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Fig. 1

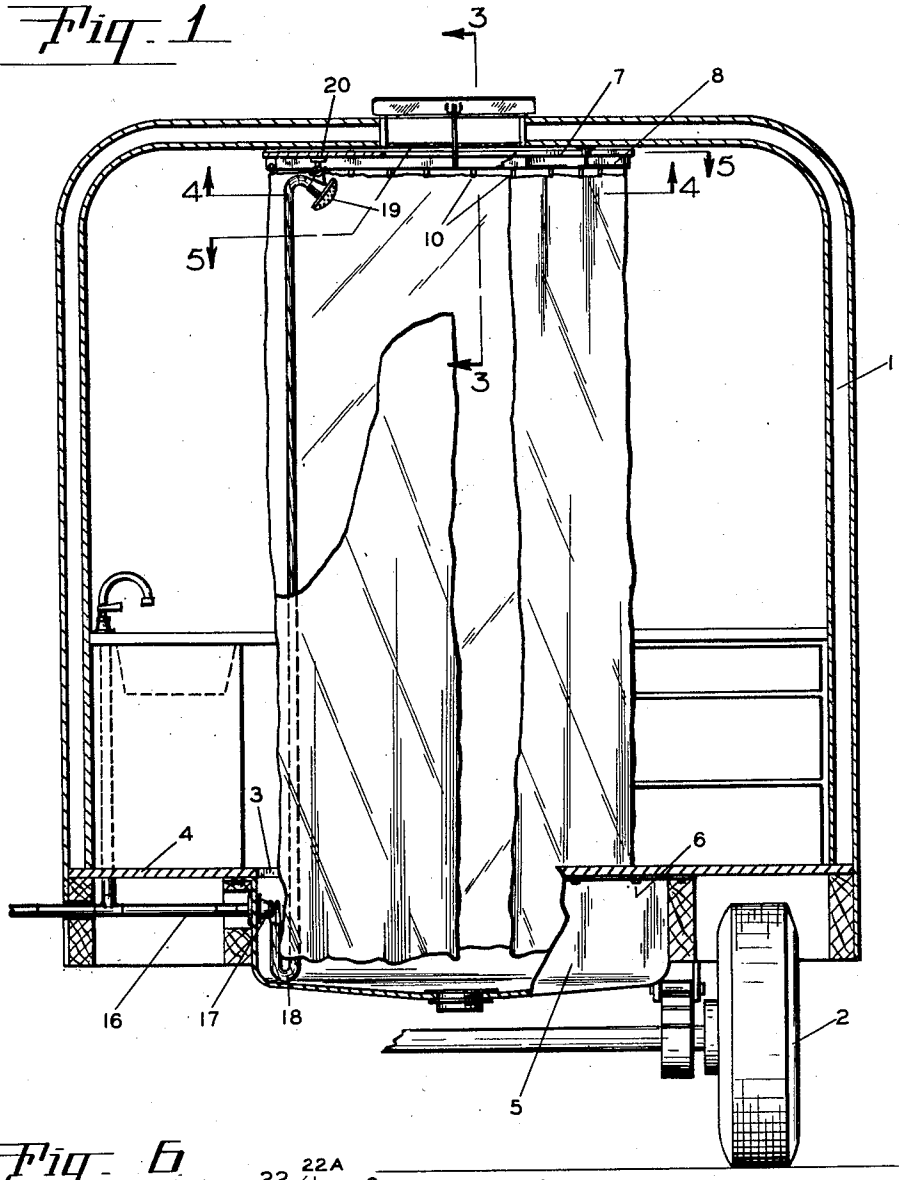
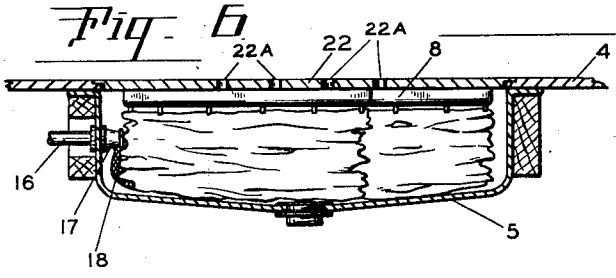


Fig. 6



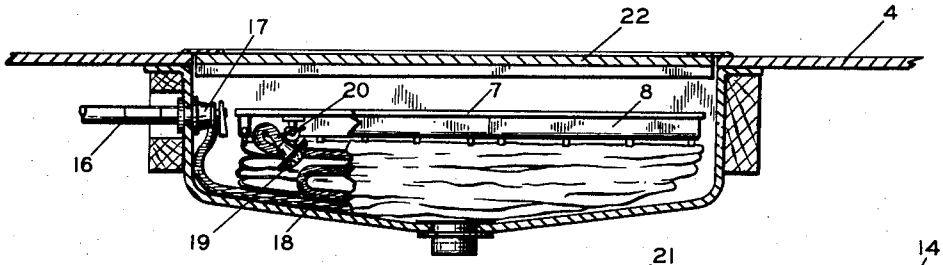
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Fig. 2.



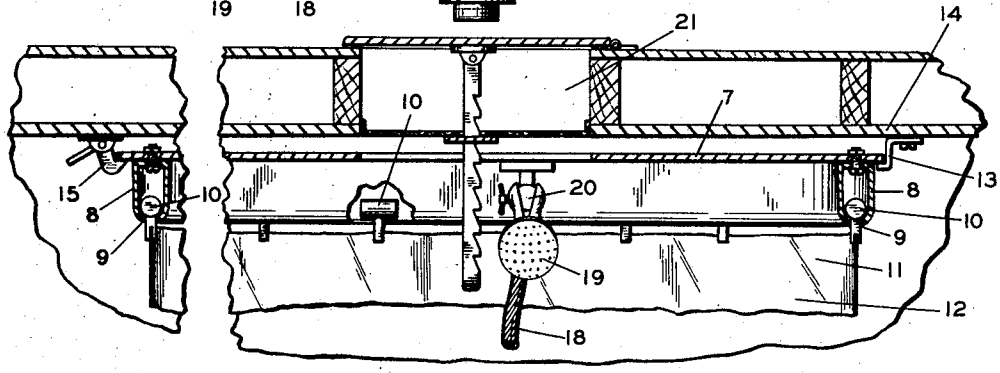


Fig. 3

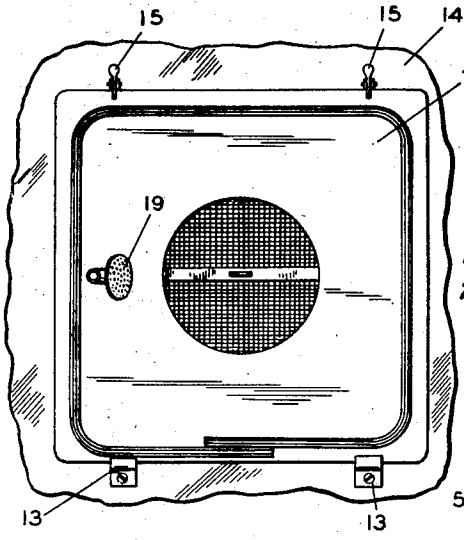


Fig. 4

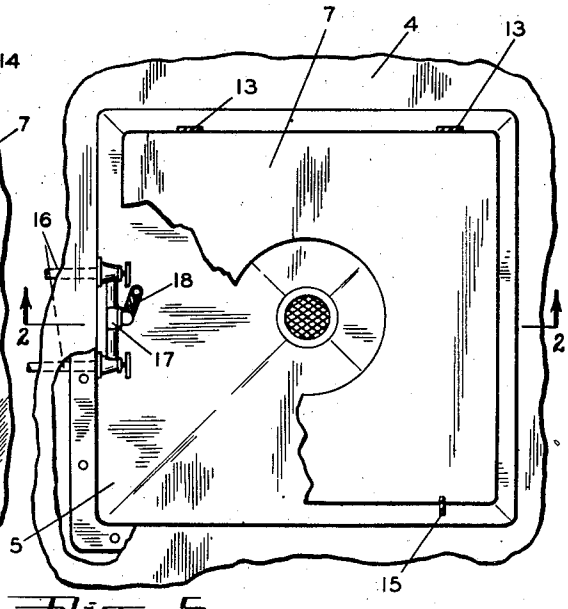


Fig. 5

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UNITED STATES PATENT OFFICE

2,561,265

COLLAPSIBLE BATH CABINET

Charles E. Burns, Portland, Oreg.

Application October 20, 1948, Serial No. 55,635

1 Claim. (Cl. 4—146)

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This invention relates to shower baths and is particularly adapted to be used in trailer houses and the like.

The primary object of my invention is to provide a collapsible shower bath to be stored under the floor of trailer houses through a trap door in the floor.

A further object of the invention is to be able to erect the shower bath by raising the trap door in the floor and hanging the shower curtain to the ceiling in the room in which the bath is being used.

Another object of the invention is to provide a flexible hose means within the shower bath assembly for directing the water supply into the shower when used.

In the carrying out of these objects a shower bath drain pan is mounted under the floor of a room, as for instance a trailer house, the pan being of sufficient depth to nest the shower curtain therein, together with the necessary hose for supplying the water to the spray nozzle.

When it is desired to use the shower a trap door is removed in the floor above the shower bath drain pan, permitting the raising of the shower curtain to the ceiling of the room, where it is secured, together with the shower nozzle and its associated hose line.

These and other incidental objects will be apparent in the drawings, specification and claim.

Referring to the drawings:

Figure 1 is an end sectional view of a trailer house having my new and improved shower bath mounted therein.

Figure 2 is an enlarged sectional detail view of the shower bath in folded position, illustrating the drain pan, curtain and hose assembly resting therein.

Figure 3 is a fragmentary sectional view taken on line 3—3 of Figure 1, looking in the direction indicated, parts broken away for convenience of illustration.

Figure 4 is an inverted plan view, taken on line 4—4 of Figure 1, illustrating the cover of the shower curtain and the location of the spray nozzle, together with the ventilating port communicating with the top of the trailer.

Figure 5 is a detail fragmentary plan view, taken on line 5—5 of Figure 1, illustrating the top of the shower curtain partially broken away for the convenience of illustration of the drain pan and the water supply.

Figure 6 is another preferred method of securing the shower curtain wherein the same is directly connected to the trap door, together with the spray fittings.

Referring more specifically to the drawings:

I have illustrated my new and improved shower bath adapted to a house trailer, whose body is indicated by numeral 1 and mounted on the usual

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wheels 2. My invention consists in providing an opening 3 in the floor 4 of the trailer under which is supported the drain pan 5 by any suitable means, as the bolts 6 secured to the underneath side of the floor of the trailer, best illustrated in Figures 1, 2 and 3.

A movable shower curtain support is indicated by numeral 7. Mounted to the underneath side of this top curtain support 7, as best illustrated in Figure 3, is a track 8 having an open slot 9 formed on its lower edge and adapted to receive slidable hangers 10 which are clipped to the upper end 11 of the curtain 12. These supporting slidable hangers make it possible to pull the curtain around so that the occupant can get in and out of the shower.

When the shower is being used, one edge of the curtain top is supported by the clips 13, which are secured to the underside of the ceiling 14, the opposite edge of the curtain top being supported by the releasable latches 15. The latches are manually operated to release the curtain support to lower the curtain assembly down into the position illustrated in Figure 2.

Water lines 16 terminate in the mixing valve 17 to which is secured the hose line 18, which extends up with the curtain assembly to the spray head when the bath is being used, but folds down with the curtain assembly when not being used, as shown in Figure 2. The spray head 19 is adjustably mounted to the top 7 at 20 permitting adjustment of the spray.

The opening 21 is part of the trailer assembly. The bath is preferably located under one of the vent openings, which eliminates steam from the bath collecting on the surrounding area of the room, but I do not wish to be limited to this feature, neither do I wish to be limited to the use of my collapsible shower bath in trailers, as it may be adapted to other locations.

A trap door 22 covers the bath unit and may be of any suitable design. When it is desired to use the bath this door is raised and the top of the curtain 7 is raised to the ceiling and placed under the hooks or clips 13 and the latches 15, this raises the curtain to the position shown in Figure 1, together with the hose line 18 ready for use.

Referring to Figure 6, I have illustrated another preferred method of mounting the shower curtain and its associated parts, where the track 8 is directly connected to the underside of the trap door 22, thereby eliminating the curtain support 7 as illustrated in the other views. The spray nozzle 19 would be directly connected to the underside of the trap door as well as the track 8. Vents 22A are formed in the trap door permitting the vapors developed in the shower to escape up through the ventilator of the trailer.

With my new and improved collapsible shower

bath, a trailer house is made more livable, providing for the bath without taking up any valuable space.

What I claim is:

A collapsible shower assembly for use in a building structure including a ceiling and a floor, the ceiling and floor having aligned openings, a drain pan mounted in the floor opening beneath the level of the floor, water supply lines extending into said pan, a mixing valve mounted in said pan and connected to said water supply lines, a curtain support for freely fitting within said pan, hangers slidably mounted in the curtain support, a flexible curtain secured to the hangers, a spray nozzle adjustably mounted under the curtain support, a flexible hose connecting said nozzle with said valve, and being of a length to permit said curtain support to be raised to the ceiling, angle brackets fixed to the ceiling substantially above one side of said curtain support, latches fixed to the ceiling for releasably holding the opposite edge of said curtain support, a trap door removably covering the floor opening when said curtain support and curtain are nested in the pan, and a removable closure for the opening in the roof.

CHARLES E. BURNS.

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