Dec. 18, 1934. J. S. CARLSON 1,985,147

COMBINATION BATH UNIT

Filed Feb. 9, 1934 2 Sheets-Sheet 1

Fig. 1.

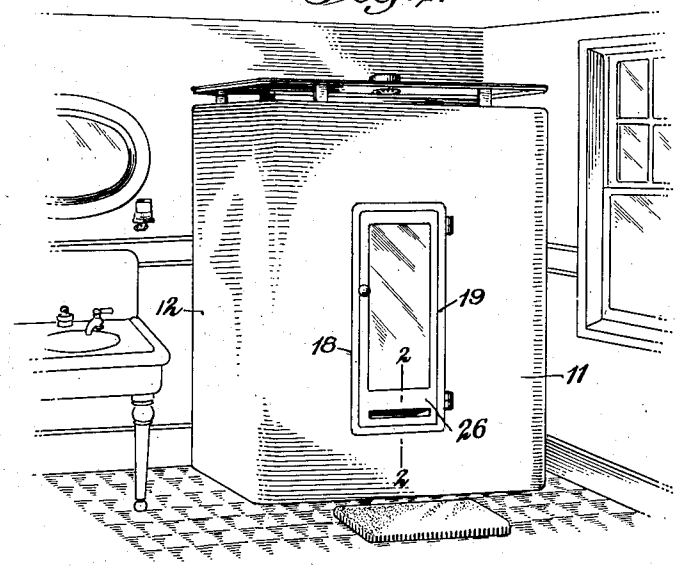


Fig. 2.

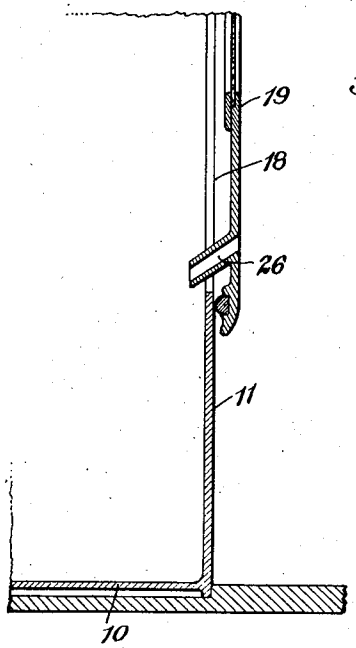
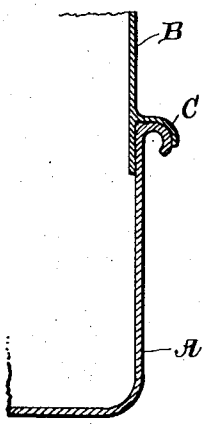


Fig. 3.



WITNESSES

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Fig. 4.

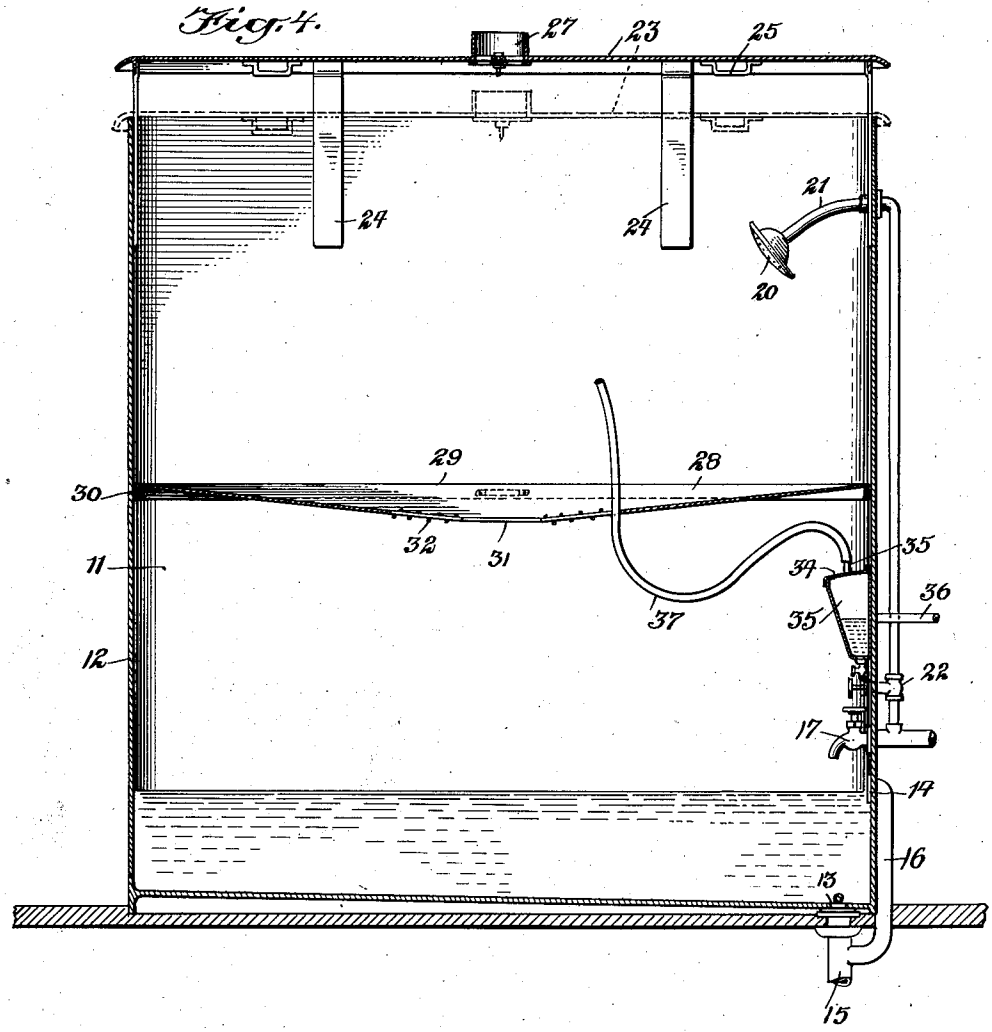
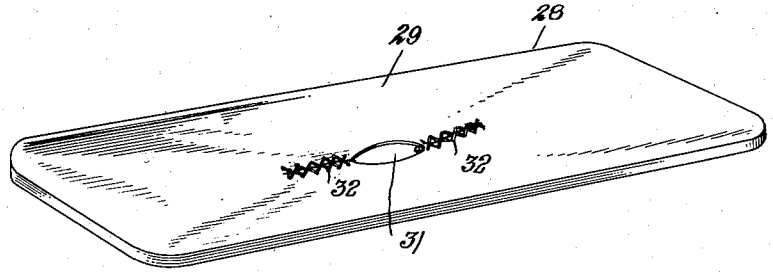


Fig. 5.



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UNITED STATES PATENT OFFICE

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COMBINATION BATH UNIT

John S. Carlson, Brooklyn, N. Y.

Application February 9, 1934, Serial No. 710,544

3 Claims. (Cl. 4—162)

This invention relates to bathroom equipment, and comprehends a combination bath unit in which either a tub, shower, steam, electric, hot air or medicinal bath may be taken.

In its broad aspect, the invention comprehends a combination bath unit which may be made complete in itself to include a tub as an integral part thereof or as an attachment for a previously installed ordinary bathtub to convert the same into a combination bath unit for the purposes set forth.

The invention contemplates a combination bath unit, the lower portion of which either defines a tub or is associated with a tub, with the remainder thereof defining an enclosure which in addition to taking the place of a shower curtain to prevent splashing of the water on the floor, serves as a closed cabinet for taking steam, electric, hot air or medicinal baths, as well as for taking the ordinary tub bath.

The invention further embodies in connection with a bath unit of the character set forth, a horizontal partition adjustably and removably arranged within the cabinet and formed with an opening by virtue of which the head or other portions of the body of the bather may be protected from the compartment defined below the partition.

As a further feature, the invention comprehends the provision of a medicinal container arranged within the cabinet for intermixing medicaments, either in the form of a vapor or a fluid with the bath.

The invention aims as a further object to provide means for ventilating the unit when desired, including an adjustable upper wall or roof formed with a ventilator and a door leading to the unit provided with ventilating means.

Other objects of the invention reside in the comparative simplicity of construction of the unit, the economy with which it may be produced and installed and the general efficiency derived therefrom.

With the above recited and other objects in view, reference is had to the following description and accompanying drawings, in which there is exhibited one example or embodiment of the invention, while the claims define the actual scope of the same.

In the drawings:

Figure 1 is a perspective view illustrating the unit installed in a bathroom.

Figure 2 is a fragmentary vertical sectional view taken approximately on the line 2—2 of Figure 1.

Figure 3 is a fragmentary vertical sectional view illustrating the manner in which the unit is employed as an attachment for a previously installed bathtub.

Figure 4 is a vertical sectional view through the unit.

Figure 5 is a perspective view of the horizontal partition member removed from the unit.

Referring to the drawings by characters of reference, the combination bath unit when made as a complete unit including the tub as an integral part therof, consists of a bottom wall 10 and marginal upstanding side and end walls 11 and 12. The bottom wall is provided with the usual drain outlet 13 and one of the end walls 12 is provided with an overflow outlet 14 which respectively communicate with the drain and overflow pipes 15 and 16. The lower portion of the structure defined by the bottom and the side and end walls up to the point of the overflow outlet 14 constitutes a bathtub to which water is supplied by a faucet or faucets 17 arranged adjacent the overflow outlet 14. The remaining portions of the side and end walls 11 and 12 define an enclosure which is designed to extend upwardly to a point slightly below the ceiling of the bathroom in which the unit is installed. One of the side walls 11 is formed with a doorway 18, the lower edge of which is slightly above the lower tub defining portion of the structure, and said doorway is designed to be closed by a suitable closure, such as the door 19. This affords means for gaining access to the interior of the enclosure, and with the doorway in closed position the structure serves admirably as a shower bath stall, it being understood that a shower head or nozzle 20 may be located within the enclosure adjacent the upper portion thereof and connected by a pipe 21 leading through one of the end or side walls to the water supply system and suitably controlled by a valve or valves 22. The unit also includes a top wall 23 which is suitably supported for movement from the closed dotted-line position resting on top of the upper edges of the walls 11 and 12 to the full line elevated open position illustrated in Figure 4. As specifically shown, the top wall is directly supported from the side and end walls by resilient depending legs 24, handles 25 being provided on the under side of the top wall for the purpose of raising and lowering the same. In order to provide further ventilation to the enclosure, a ventilator 26 is provided in the lower portion of the closure, or door 19, and said ventilator is directed inwardly and downwardly to

preclude the leakage of water therethrough. It will also be observed that the upper wall 23 is provided with a ventilator 27. It thus follows that the user may employ the unit for either a tub or shower bath and in the latter instance, the necessity of using a shower bath curtain is dispensed with, as the enclosure acts in the capacity of a shower room or stall. In order to adapt the device for other uses, such as for a steam bath, electrical bath, hot air bath or medicinal bath, a horizontal partition element designated generally by the reference character 28 is employed which is removably associated with the upstanding side and end walls 11 and 12. The partition member in the form illustrated consists of a waterproof flexible material 29 which is supported by a marginal expansible frame 30 designed to frictionally contact with the inner surfaces of the side and end walls 11 and 12 to hold the same in various vertically adjusted positions. The material 29 is provided with a central opening 31 which may be increased or decreased in size in any suitable manner, such as by the lacing 32. It thus follows that with the partition in place, as illustrated in Figure 4, the bottom wall and side and end walls, together with said partition, define a closed chamber within which the person may arrange himself with the head and other portions of the body exposed from the chamber through the central opening 31. In practice, the user may seat himself upon a chair and steam, hot air and electrical heating apparatus or the like may be also arranged within the chamber to accomplish the desired end. Where a medicinal bath is to be taken, it will be observed that a container 33 is supported within the chamber on one of the side or end walls 11 and 12, and said container is provided with an upper displaceable cover 34 having an outlet nozzle 35 and to which container a steam supply conduit 36 is adapted to communicate for feeding the medicinal substance from the container with the steam. In certain instances, where it is desired to inhale medicinal vapors, a tube 37 may be attached to the outlet nozzle 35 and led upwardly through the opening 31 or otherwise to a point above the partition 28.

As illustrated in Figure 3 of the drawings, the unit is disclosed as an attachment for an ordinary bathtub A, in which instance the unit bottom wall is dispensed with and the side or end walls B are formed with a channeled lower end C which is designed to fit over the upper edge of the tub. In other respects, the construction of the unit is identical with that previously described.

What is claimed is:

1. A vapor bath attachment for use with combination bathtub showers and shower units, having a chamber provided with enclosing walls, comprising a vertically adjustable horizontal partition snugly fitting within and intermediate the heights of said walls and having an adjustable central opening.

2. A vapor bath attachment for use with combination bathtub showers and shower units, having a chamber provided with enclosing walls, comprising a vertically adjustable horizontal partition having an expansible frame for causing the partition to snugly fit within said enclosure and press against said walls and having an adjustable central opening to define within the lower portion of the enclosure a chamber for taking electric, hot air, steam or medicinal baths.

3. A vapor bath attachment for use with combination bathtub shower and shower units having a chamber provided with enclosing walls, comprising a partition formed with an expansible marginal frame for causing the partition to engage said walls with sufficient friction to hold the partition in any vertical adjusted position, said partition having a centrally positioned opening and slits extending from opposite sides thereof, and lacing for drawing the edges of said slits towards each other for adjusting the size of said opening, whereby said partition and said walls below said partition form a bath cabinet with the partition positioned with the opening arranged whereby the head or other parts of the body of the person may protrude therethrough.

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