This invention relates to a knock-down heat bath appliance, one wherein a pliable canopy complies to and can be draped over a knock-down frame operatively supported on a stool disposed within the canopy, the canopy having a central opening and providing a hand support within the canopy and a plug at the end of the cord for cooperation with any electrical outlet in the wall of a room for furnishing current to the unit, whereby heat may be generated within the canopy, the switch acting to turn on and off the current.

Another purpose of the invention is that the support for the heating unit includes a support in the form of an insulator between the heating unit and the bottom of the stool. This deflector and insulator consists of a plate removable suspended from the upper surface of the stool seat and is provided with a marginal flange, there being heat insulating means secured to the plate within the flange said heat insulating means including two thicknesses of asbestos, one of a soft character, the other being exteriorly and of a harden character, thereby preventing the heat from being transmitted from the circular plate to the seat of the stool, the plate of such support being of a diameter that will direct the heat outwardly and upwardly on such an angle from the under portion of the seat of the stool, as to prevent the heat from being transmitted to the plate and then to the under surface of the seat of the stool.

It is to be understood that the particulars herein given are in no way limitative, and that while still keeping within the scope of the invention, any desired modification of details and proportions may be made in the construction of the appliance according to circumstances.

The invention comprises further features and combination of parts to be hereinafter set forth, shown in the drawings and claimed.

In the drawings:

Figure 1 is a view in perspective of the improved knock-down heat bath appliance constructed in accordance with the invention showing the appliance in use, there being an occupant therein.

Figure 2 is a vertical sectional view through the canopy showing the stool in perspective, part of the canopy in perspective with the occupant therein.

Figure 3 is a sectional view through the stool showing part of the supports for the frame.

Figure 4 is a horizontal sectional view on line 4—4 of Figure 2.

Figure 5 is a view of the supporting frame for the canopy collapsed.

Figure 6 is a view with a portion of the seat 2 in section and the metal shield 44 in section, the marginal flange 35 in edge elevation, and other attendant parts associated therewith in elevation, more clearly disclosing the structure.

Referring to the drawings 1 identifies a stool, which comprises a seat 2 which may have any suitable finish and provided with a downward marginal flange 3. Rivetted or otherwise secured to the flange at 4 at the four corners of the stool are legs 5, which are made of angle iron, and riveted to the legs at 7 near their lower ends are angle iron braces 8. The legs may be provided with any suitable finish while the braces may be finished in any conventional manner. Adjacent the two front corners of the flange of the seat extensions 10 of sockets 11 are fastened by any suitable means preferably electrically welded, certain of the rivets for the front legs passing through the extension of the sockets. To the flange of the seat at the rear thereof an extension 12 of a third socket 13 is electrically welded. A plurality of supports 14 for a canopy supporting ring 15 is provided. Each of these supports 14 comprises a long section 16 and a short section 17 pivotally united at 18. The long section consists of relatively heavy twisted wire as shown, the loop at the lower end receiving the pivots 19. The upper portions of the relatively heavy twisted wire diverge upwardly into arms 20 which terminate in eyes 21 to receive the canopy supporting ring, there being fixed collars 22 on the ring adjacent the remote sides of the eyes of the arms to prevent any displacement thereof. The short sections of the supports have down turned ends which engage into the sockets carried by the flange of the stool seat.

A canopy 23 including a circular part 24 and a skirt 25 is provided. The circular part corresponds in diameter to the supporting ring and engages therewith, while the skirt drapes down over the frame. The approximate center of the circular part has an opening 26 which fits around 110
the neck of the occupant, while the circular part has a separation 27 extending radially from the center opening, and the edges of the separation 27 may be closed by a suitable zipper fastener 28.

5. Adjacent this separation an indicator or gauge 29 is provided, from which the occupant can easily observe the temperature of the interior of the canopy.

A tongue 30 is electrically welded to the under surface of the seat of the stool, the free part of the tongue being spaced from the seat. A bracket 31 is provided having flanges 32 constituting guides to engage with the tongue for suspending thereon. The lateral ends of the arms 33 of the bracket by screws is a deflector 33. This deflector comprises a metal plate 34 with a marginal flange 35 and secured to the plate 34 are suitable discs of heat insulators 36 and 37, the insulator 36 being of soft asbestos and the insulator 37 being of harden asbestos with a lower exterior finish. A support 38 for a heating element 39 is provided. This support comprises a metal ring 40 and a porcelain dependent 41 secured together at 42. The securing screws for the lateral ends of the arms of the bracket pass into the ring 40, the porcelain dependent has the usual threaded socket for the heating element, there being the usual protecting cage 44 clamped about the restricted end of the porcelain dependent.

In Figure 6 instead of the cage 44 a very slightly tapered metal shield 46 is clamped about the restricted end of the porcelain dependent and is provided with perforations 47 which allows the excessive heat to escape and be deflected by the deflector 33. A suitable cord 48 including interior conductors (not shown) pass from the socket for the heating element and up through the deflector and terminates in a conventional type of plug 46 for engaging any socket in the wall. The cord also includes a portable hand switch 47 having the conventional type of push buttons 48 and 49, whereby the current may be turned on and off.

In using the apparatus the frame may be connected to the sockets of the stool, then the canopy can be draped over the frame, it having been first placed over the user while sitting on the stool, the hand switch being within the canopy, so that after closing the separation in the circular part of the canopy the switch may be turned on for supplying current to the heating element. The occupant remains within the appliance for a time sufficient to create a thorough sweat, it being possible for the occupant to observe the gauge or indicator in order to observe the temperature on the interior.

The invention having been set forth, what is claimed is:

1. In a heat bath appliance, a portable seat provided with a heat unit suspended from its under surface, a frame having arms detachably connected to the seat and extending outwardly and upwardly and being capable of collapsing when removed, a canopy having a top conforming to the top of the frame and including a circular skirt draped down around the frame, the approximate center of the canopy top having an opening to engage around the neck of the occupant who may occupy the seat, and a separation extending from the opening provided with closing means to allow the admission of the occupant's head for fastening the opening around the occupant's neck, and means for turning on and off the current to the heating element.

2. In a portable heat bath appliance, the combination with a seat provided with a heating unit suspended from its under surface, the suspension means for the heating unit including a deflector and heat insulating means for deflecting and insulating the heat from the seat, said frame having collapsible arms extending outwardly and upwardly and having at their upper portions canopy supporting means, a canopy having a top portion conforming to the canopy supporting means and including a skirt draped around the frame and the seat, the approximate center of the canopy top having an opening for the neck of the occupant who may rest on the seat, and a separation including a closing means extending radially from the margin of the opening for permitting the admission of the occupant's head and neck.

3. In a portable heat bath appliance, the combination with a seating seat provided with a heat unit suspended from its under surface, the support means for the heat unit including a deflector and heat insulating means for deflecting and insulating the heat from the seat, a frame having collapsible arms extending outwardly and upwardly and having at their upper portions canopy supporting means, a canopy having a top portion conforming to the canopy supporting means and including a skirt draped down around the frame and the seat, the approximate center of the canopy top having an opening for the neck of the occupant who may occupy the seat, a separation extending from the opening provided with closing means to allow the admission of the occupant's head for fastening the opening around the occupant's neck, and means for turning on and off the current to the heating element.

4. In a portable knock-down heat bath appliance, a seat having a heating unit detachably suspended from the under surface of the seat, a frame comprising arms and a canopy supporting ring at the upper ends of the arms, said arms each comprising long and short sections pivotally united, the latter sections extending outwardly from the seat, and the former sections being pivotally connected to the ring, whereby when the frame is detached it is may be collapsed, and a canopy having a top conforming to the ring at the top of the frame and provided with a skirt draped around and downwardly of the frame and seat, the top of the canopy having an opening for the neck of the occupant, who may be supported on the seat, and a separation provided with closing means extending radially from the opening for permitting the admission of the occupant's head for fastening the opening around the neck of the occupant.

5. In a portable heat bath appliance, the combination with a seat providing a heat unit removably suspended from its under surface, said suspension means having a combined deflector and insulator for preventing the heat from the unit being transmitted to the seat, of a frame removably supported on the seat, said frame comprising arms and a circular canopy supporting ring at their upper ends, said arms each consisting of long and short sections pivotally united, the latter sections extending outwardly from the seat, the former sections being pivotally connected to the ring, a canopy having a top conforming to the ring and provided with a skirt draped around and enclosing the frame and the seat, the approximate center of the canopy top having an opening for the reception of the occupant who may occupy the seat, a separation in the top of the canopy provided with closing means for deflecting and insulating the heat from the seat, a frame having arms detachably connected to the seat and extending outwardly and upwardly and being capable of collapsing when removed, a canopy having a top conforming to the top of the frame and including a circular skirt draped down around the frame, the approximate center of the canopy top having an opening to engage around the neck of the occupant who may occupy the seat, and a separation extending from the opening provided with closing means to allow the admission of the occupant's head for fastening the opening around the occupant's neck, and means for turning on and off the current to the heating element.

6. In a portable heat bath appliance, the combination with a seat providing a heat unit removably suspended from its under surface, said suspension means having a combined deflector and insulator for preventing the heat from the unit being transmitted to the seat, of a frame removably supported on the seat, said frame comprising arms and a circular canopy supporting ring at their upper ends, said arms each consisting of long and short sections pivotally united, the latter sections extending outwardly from the seat, the former sections being pivotally connected to the ring, a canopy having a top conforming to the ring and provided with a skirt draped around and enclosing the frame and the seat, the approximate center of the canopy top having an opening for the reception of the occupant who may occupy the seat, a separation in the top of the canopy provided with closing means for deflecting and insulating the heat from the seat, a frame having arms detachably connected to the seat and extending outwardly and upwardly and being capable of collapsing when removed, a canopy having a top conforming to the top of the frame and including a circular skirt draped down around the frame, the approximate center of the canopy top having an opening to engage around the neck of the occupant who may occupy the seat, and a separation extending from the opening provided with closing means to allow the admission of the occupant's head for fastening the opening around the occupant's neck, and means for turning on and off the current to the heating element.

7. In a portable heat bath appliance, the combination with a seat providing a heat unit removably suspended from its under surface, said suspension means having a combined deflector and insulator for preventing the heat from the unit being transmitted to the seat, of a frame removably supported on the seat, said frame comprising arms and a circular canopy supporting ring at their upper ends, said arms each consisting of long and short sections pivotally united, the latter sections extending outwardly from the seat, the former sections being pivotally connected to the ring, a canopy having a top conforming to the ring and provided with a skirt draped around and enclosing the frame and the seat, the approximate center of the canopy top having an opening for the reception of the occupant who may occupy the seat, a separation in the top of the canopy provided with closing means for deflecting and insulating the heat from the seat, a frame having arms detachably connected to the seat and extending outwardly and upwardly and being capable of collapsing when removed, a canopy having a top conforming to the top of the frame and including a circular skirt draped down around the frame, the approximate center of the canopy top having an opening to engage around the neck of the occupant who may occupy the seat, and a separation extending from the opening provided with closing means to allow the admission of the occupant's head for fastening the opening around the occupant's neck, and means for turning on and off the current to the heating element.

8. In a portable heat bath appliance, the combination with a seat providing a heat unit removably suspended from its under surface, said suspension means having a combined deflector and insulator for preventing the heat from the unit being transmitted to the seat, of a frame removably supported on the seat, said frame comprising arms and a circular canopy supporting ring at their upper ends, said arms each consisting of long and short sections pivotally united, the latter sections extending outwardly from the seat, the former sections being pivotally connected to the ring, a canopy having a top conforming to the ring and provided with a skirt draped around and enclosing the frame and the seat, the approximate center of the canopy top having an opening for the reception of the occupant who may occupy the seat, a separation in the top of the canopy provided with closing means for deflecting and insulating the heat from the seat, a frame having arms detachably connected to the seat and extending outwardly and upwardly and being capable of collapsing when removed, a canopy having a top conforming to the top of the frame and including a circular skirt draped down around the frame, the approximate center of the canopy top having an opening to engage around the neck of the occupant who may occupy the seat, and a separation extending from the opening provided with closing means to allow the admission of the occupant's head for fastening the opening around the occupant's neck, and means for turning on and off the current to the heating element.
means to allow the head of the occupant to pass through the opening whereby the latter may be fitted around the occupant's neck, and means including a hand switch for turning off and on the current to the heating element.

6. In a heat bath appliance, a portable seat provided with a heat unit, a canopy comprising a circular top portion and a depending circular skirt housing the seat, an annular member corresponding in shape and diameter to the top portion of the canopy, and means operatively connected to the seat and extending outwardly and upwardly and connected to the annular member for supporting the canopy with its cylindrical skirt spaced a substantial distance from all sides of the seat.

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