C. J. WILKIN.

WATER CLOSET SEAT.

APPLICATION FILED FEB. 10, 1920.

1,412,436. Patented Apr. 11, 1922.

Fig. 1.

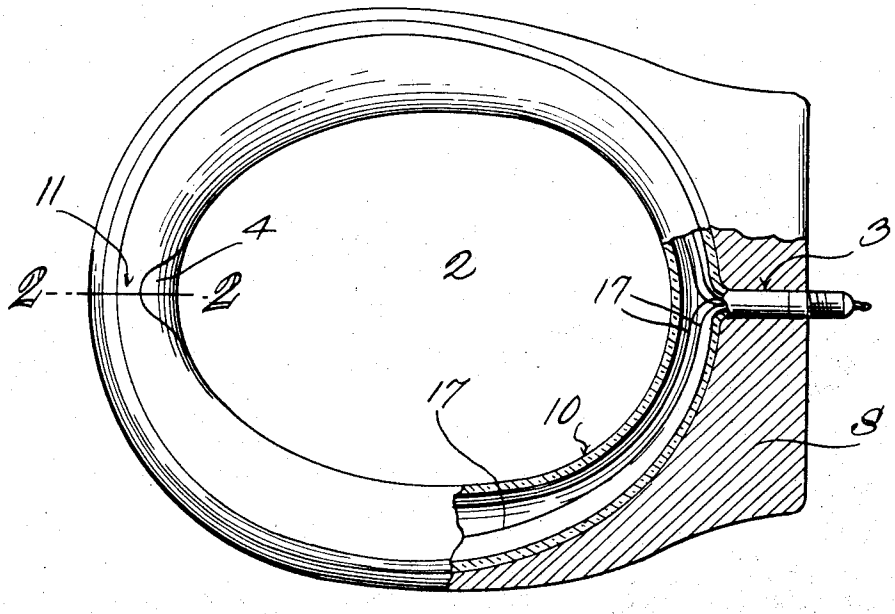


Fig. 2.

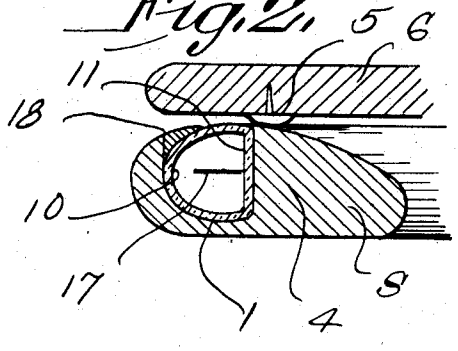
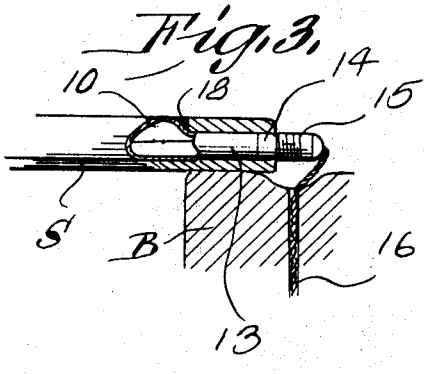


Fig. 3.



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WATER-CLOSET SEAT.

1,412,436. Specification of Letters Patent. Patented Apr. 11, 1922.

Application filed February 10, 1920. Serial No. 357,514.

To all whom it may concern:

Be it known that I, CARL J. WILKIN, a citizen of the United States, residing at San Jose, in the county of Santa Clara and State of California, have invented certain new and useful Improvements in Water-Closet Seats, of which the following is a specification.

This invention relates to electric heating, and more especially to heaters involving the use of an incandescent lamp; and the object of the same is to heat the seat of a water closet.

Another object is possibly to light such a seat.

A third object is to prevent the heater from being broken when the seat cover is let down.

Yet other objects will appear from the following specification. Reference is made to the drawings herewith and in which:

Figure 1 is a plan view of this invention as a whole, with part of the seat broken away and part of the heater in section,

Figure 2 is an enlarged vertical section on the line 2—2 of Figure 1, showing the cover lowered,

Figure 3 is a vertical section through the plug.

In the drawings the rear portion of the bowl is shown at B, and the usual seat at S, this seat being of wood, and generally hinged upon the rear of the bowl although I have not thought necessary to show the hinges herein. Some persons are so delicately constituted that the contact of the cold wood upon the flesh is objectionable, and especially is this the case where the water closet is used by invalids or others who are extremely sensitive. Again, it sometimes occurs that the water closet is used in the dark, either because the lighting system is out of order or because the user may not care to turn on the light. My invention applied to a water closet seat avoids the shock of cold contact and illumines the seat so that it may be seen in the dark.

The upper face of the seat S is cut away or chamfered with a channel 1 which extends completely around its opening 2, and a hole 3 at the rear of the seat communicates with the channel and extends rearward as perhaps best seen in Figure 1. At the front of the seat the channel is interrupted; that is to say, a wooden block or lip 4 is permitted to remain so that the rubber plug or bumper 5 of the seat cover 6 may rest on the same as indicated in Figure 2.

Disposed within said channel is a heater element in the shape of a ring 10 of glass, made to conform throughout its length with the exact contour of the channel itself and therefore necessarily having a narrowed portion or neck 11 at the front of the seat forward of the lip 4. At its rear this ring has an extension 12 passing through the back of the seat where the latter is provided with the hole 3, and the extension carries a socket 14 into which may be passed a plug 15 carrying the usual electric wires 16 led from a source of electrical supply. When the electricity is turned on, current flows through these wires 16 and the plug and socket, and is carried around within the tubular ring on wires 17 as shown. Finally, packing 18 is inserted in the mouth of the channel 1 to retain the heater therein, leaving its upper side exposed as seen in Figure 1. This side of the glass ring, and in fact all sides of the same may be ground if necessary, although clear glass would answer.

In use, when the electricity is turned on and flows through the wires 17 a gentle heat is generated and the glass is warmed so that use of the seat is no longer objectionable. Also the glass is illuminated to a greater or less extent, so that the seat is visible even though the toilet room be dark. When the device is to be put out of use, the plug 15 is removed from the socket 14. The flexibility of the wires 16 permits the seat to be hinged and to turn on its hinges if desired. The entire structure is neat, serviceable, sanitary, and useful.

The foregoing description and the drawings have reference to what may be considered the preferred, or approved form of my invention. It is to be understood that I may make such changes in construction and arrangement and combination of parts, materials, dimensions, et cetera, as may prove expedient and fall within the scope of the appended claims.

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

1. The combination with a water closet seat having a channel around its central opening; of a ring-shaped incandescent electric heater mounted in said channel and having a socket, feed wires leading from a

source of electricity, and a plug thereon for connection with said socket.

2. The combination with a water closet seat channeled in its upper side around its central opening, said channel being restricted at the front of the seat, and a seat-cover having a plug disposed above the seat where its channel is restricted; of a ring-shaped incandescent electric heater disposed within said channel and conforming with the shape thereof, and packing filling the channel at the outer side of the heater.

In testimony whereof I affix my signature in presence of two witnesses.

CARL J. WILKIN.

Witnesses:

AUGUST J. RICHTER,

FRED GERIG.