Dec. 22, 1953 J. V. HEATH 2,663,861

BABY TRAINER CHAMBER

Filed June 27, 1951

Fig. 1

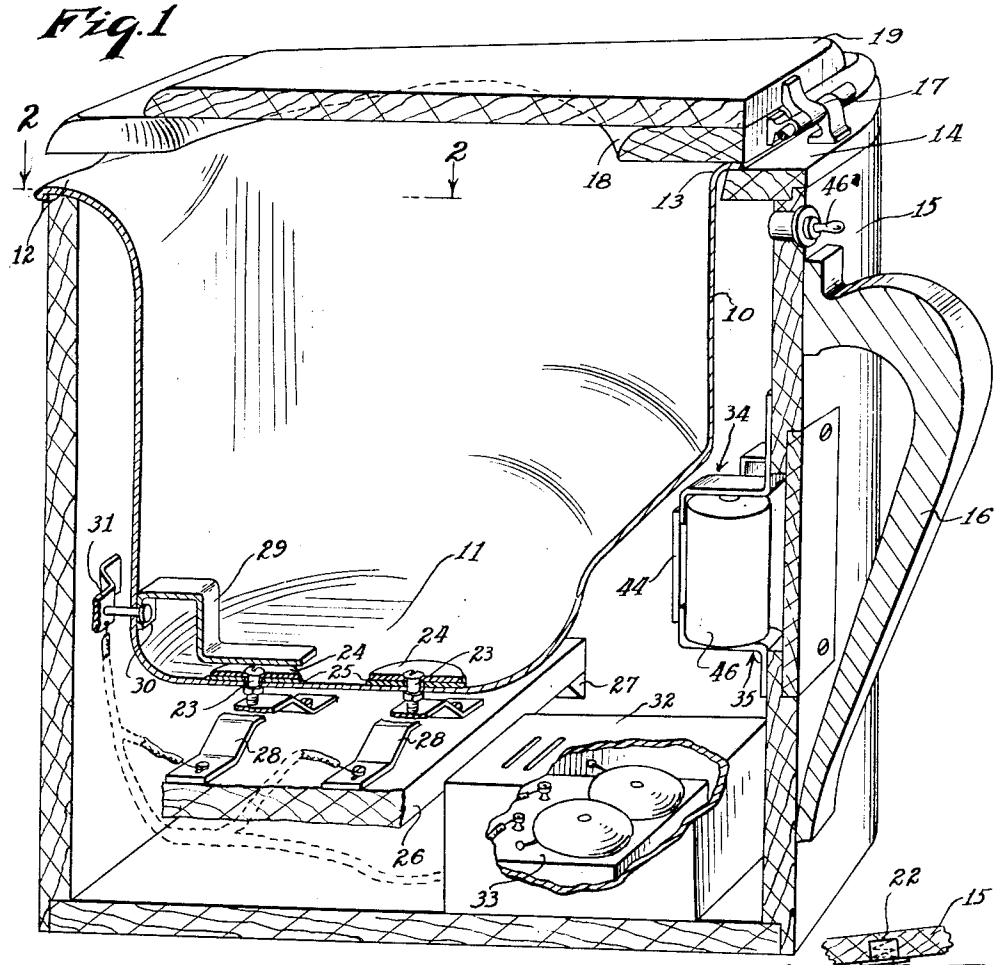


Fig. 2

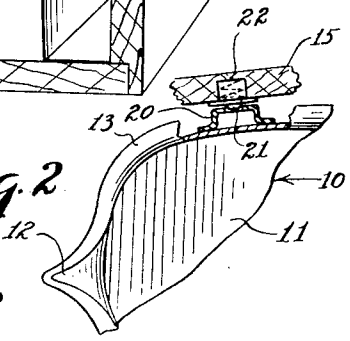


Fig. 4

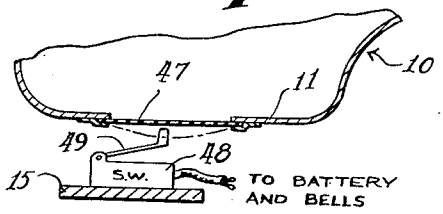
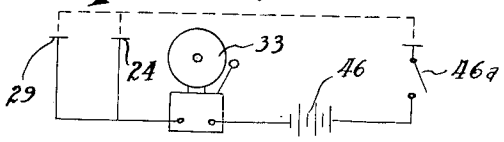


Fig. 3



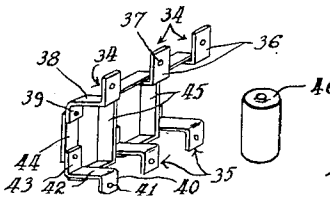


Fig. 5

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BABY TRAINER CHAMBER

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3 Claims. (Cl. 340—235)

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The present invention relates to a baby trainer chamber and it consists in the combinations, constructions and arrangements of parts herein described and claimed.

Generally there is provided a baby chamber pot consisting of a porcelainized container mounted in a wooden housing by novel means and which housing is provided with a hinged seat cover and a hinged seat. The housing is also provided with a handle for carrying the same from place to place. Within the housing there is mounted upon a novel bracket a plurality of dry cell batteries and there is also provided an alarm housing containing an alarm which may be in the form of a bell, chimes or the like. The bottom of the container has fixed therein in spaced relation a pair of aluminum contact discs which are affixed thereto by means of screws which protrude through the bottom of the container and are electrically connected to the batteries and alarm. A yieldable contact arm is removably mounted upon one side of the chamber and extends in close spaced relation over one of the discs. The device is adapted to complete a circuit between the discs upon the reception of urine within the container thereby completing a circuit between the discs or upon depression of the flexible arm by fecal matter to thus depress the arm into contact with its associated disc to likewise complete a circuit to the alarm.

It is accordingly an object of the invention to provide a novel baby trainer chamber pot.

Another object of the invention is to provide a device of the character set forth which is simple in construction, inexpensive to manufacture and yet effective and efficient in use.

Still another object of the invention is the provision, in a device of the character set forth, of novel means for completing an electrical circuit forming a part of the invention.

A further object of the invention is the provision, in a device of the character set forth, of a novel battery supporting bracket forming part of the invention.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawing, in which:

Figure 1 is a vertical sectional perspective view of an embodiment of the invention,

Figure 2 is a reduced sectional view, partly broken away, and taken substantially along line 2—2 of Figure 1,

Figure 3 is a schematic view of an electrical circuit forming a part of the invention,

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Figure 4 is a reduced fragmentary sectional view illustrating another form the invention may assume, and

Figure 5 is an isometric detail view of a bracket forming a part of the invention.

Referring more particularly to the drawing, there is shown therein a porcelainized container 10 having a substantially flat bottom 11 and a pouring lip 12 formed at the forward upper end thereof together with an integrally formed outwardly extending lip 13 which extends around the entire container 10 and which normally lies atop a cover 14 of a wooden housing 15 which is provided at its rear side with a carrying handle 16.

Hinged to the cover 14 by a multiple hinge 17 is a toilet seat 18 and a seat cover 19. The container 10 is held in position within the housing 15 by means of a bracket 20 affixed to each side thereof and connected by means of a snap fastener 21 to a fastening device 22 mounted in the adjacent side of the container housing 15.

In the bottom 11 of the container 10 there is affixed by means of screws 23 a pair of spaced aluminum discs 24 each having a lead washer 25 interposed between itself and the bottom 11. Upon a wooden platform 26 mounted upon brackets 27 affixed to the sides of the housing 15 is a pair of contact arms 28 each of which is connected centrally to one of the screws 23. The yieldable contact member 29 is removably mounted upon a headed pin 30 which extends through the forward side of the container 10 and, in turn, is affixed to a contact member 31 which is affixed to the inner side of the forward wall of the housing 15.

Within the container 15 in one corner thereof there is mounted an alarm casing 32 within which is positioned alarm bells 33 which may, if desired, take the form of chimes or other audible signals.

Mounted upon the inner side of the housing 15 and upon the rear wall thereof is a battery bracket comprising a plurality of upper contact members generally designated at 34 and a plurality of lower contact members each generally designated at 35. Each of the upper contact members 34 consists of a vertically extending inner portion 36 having an opening 37 therethrough for attachment to the housing, an integrally formed outwardly extending arm 38 and a downwardly extending foot portion 39. Each of the lower contact members 35 consists of a vertically extending portion 40 having an opening 41 for attachment to the wall of the housing 15, an outwardly extending integrally formed arm 42 and

an upwardly extending integrally formed foot portion 43. A plastic or other dielectric insulator strip 44 interconnects the arms 39 and 43 in each case and each of the lower members 35 is connected to its neighboring upper member 34 by an S-shaped connector 45. Batteries 46 are interposed between the portions 42 and 38 in each case to thus place the batteries in series connection with one another.

In operation, it will be apparent that as the child utilizes the container 10 for the purposes of depositing urine therein, that the acid quality of the same will form an electrical connection between the discs 24 to thus complete an electrical circuit including the batteries 46 and the alarm 33. If the infant should deposit fecal matter in the container 10 and the same should come into contact with the yieldable member 29, the latter will be depressed into contact with the disc 24 therebeneath to thus complete an electrical circuit to the alarm 33 thus warning the parents or caretaker of the infant that he has utilized the container. A toggle switch 46*a* is mounted in the housing 15 immediately above the handle 16 whereby the electrical circuits within the device may be rendered inoperative when desired.

In Figure 4 there is shown an alternative form of the invention wherein the bottom 11 of the container 10 is provided with a yieldable portion 47 which may be of rubber or the like and beneath which upon the bottom of the housing 15 is a switch 48 provided with an actuating arm 49 which extends upwardly to a point adjacent the portion 47. In this form of the invention it will be apparent that as urine or fecal matter is deposited in the container 10, the weight thereof will depress the portion 47 to thus move the contact arm of the switch 48 downwardly to thus complete a circuit to the alarm 33.

While but one form of the invention has been shown and described herein, it will be readily apparent to those skilled in the art that many minor modifications may be made without departing from the spirit of the invention or the scope of the appended claims.

What is claimed is:

1. A device of the character described comprising a housing provided with a bottom, side walls and a top having an opening therein, a porcelainized container having sides, a bottom, a pouring lip, and an outwardly extending lip engaged atop the peripheral portion of the opening in the top of said housing, a handle affixed to the outer rear wall of said housing, a seat hinged to said housing top, a seat cover hinged to said housing top, a bracket affixed to the inner wall of said housing, a plurality of dry cell batteries mounted in said bracket, an alarm casing mounted in the lower portion of said housing, an alarm in said casing, said alarm being connected in the same circuit as said batteries and a pair of spaced, electrical contact discs mounted in the bottom of said container, said discs being connected in the circuit of said alarm and batteries and forming thereby an open switch adapted to be closed upon the depositing of acid urine in said container whereby to sound said alarm.

2. A device of the character described comprising a housing provided with a bottom, side walls and a top having an opening therein, a porcelainized container having sides, a bottom, a pouring lip, and an outwardly extending lip engaged atop the peripheral portion of the opening in the top of said housing, a handle affixed to the outer rear wall of said housing, a seat hinged to said housing top, a seat cover hinged to said housing top, a bracket affixed to the inner wall of said housing, a plurality of dry cell batteries mounted in said bracket, an alarm casing mounted in the lower portion of said housing, an alarm in said casing, said alarm being connected in the same circuit as said batteries and a pair of spaced, electrical contact discs mounted in the bottom of said container, said discs being connected in the circuit of said alarm and batteries and forming thereby an open switch adapted to be closed upon the depositing of acid urine in said container whereby to sound said alarm, and a toggle switch mounted in the wall of the housing adjacent said handle, said toggle switch being connected in the circuit of said alarm, batteries and spaced electrical contact discs.

3. A device of the character described comprising a housing provided with a bottom, side walls and a top having an opening therein, a porcelainized container having sides, a bottom, a pouring lip, and an outwardly extending lip engaged atop the peripheral portion of the opening in the top of said housing, a handle affixed to the outer rear wall of said housing, a seat hinged to said housing top, a seat cover hinged to said housing top, a bracket affixed to the inner wall of said housing, a plurality of dry cell batteries mounted in said bracket, an alarm casing mounted in the lower portion of said housing, an alarm in said casing, said alarm being connected in the same circuit as said batteries, and a pair of spaced electrical contact discs mounted in the bottom of said container, said discs being connected in the circuit of said alarm and batteries and forming thereby an open switch adapted to be closed upon the depositing of acid urine in said container, whereby to sound said alarm, a toggle switch mounted in the wall of the housing adjacent said handle, said toggle switch being connected in the circuit of said alarm, batteries and spaced electrical contact discs, a yieldable plate of electrically conducted material affixed in the wall of the container and having its free end extending over one of said electric contact discs in spaced parallel relation thereto, said plate and said one contact disc being connected in the circuit of said alarm and forming a second open switch connected in parallel with said first open switch formed by said pair of contact discs and adapted to be closed upon the depositing of solid material upon said plate.

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