

Feb. 9, 1960

R. W. PLATT
DIAPER RINSING DEVICE

2,923,949

Filed Sept. 24, 1956

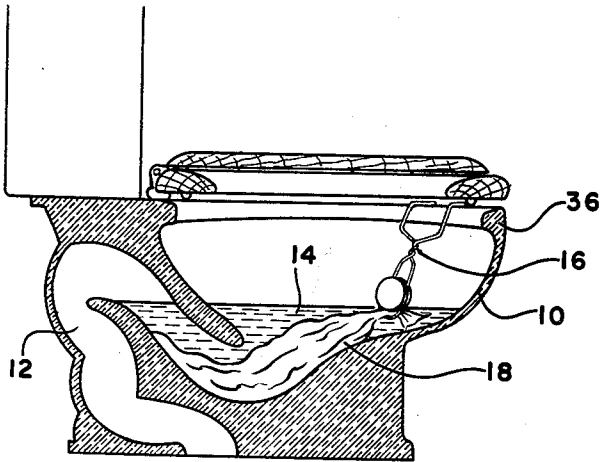


FIG. 1

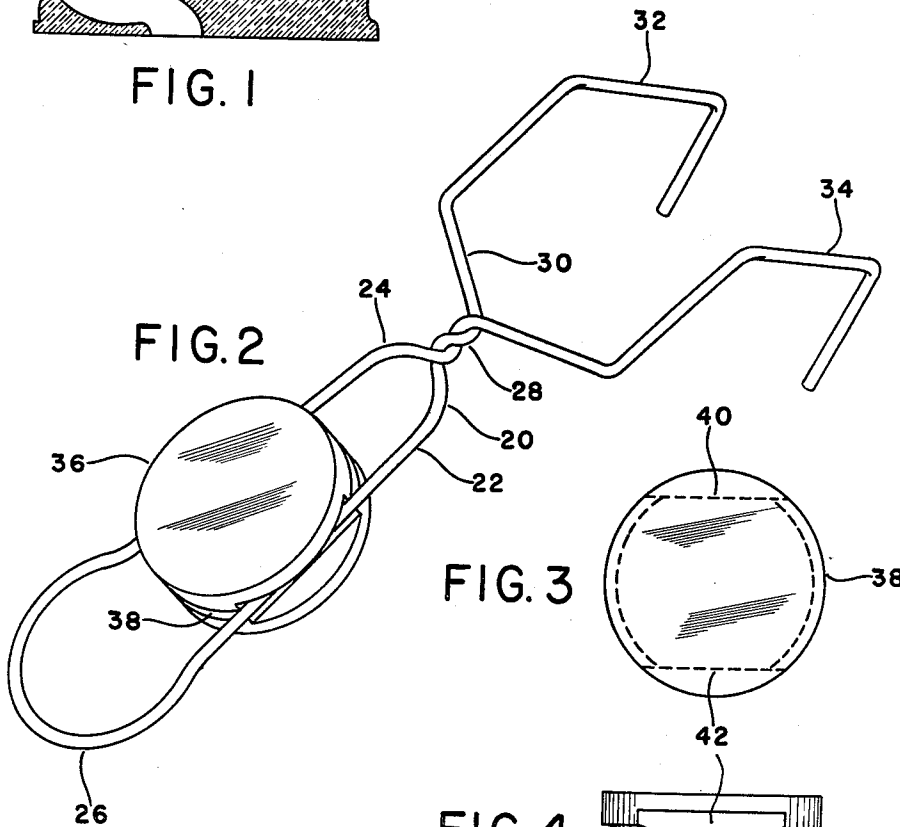


FIG. 2

FIG. 3

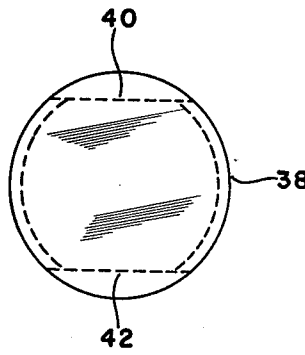
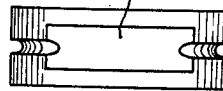


FIG. 4



INVENTOR.
RICHARD W. PLATT
BY *R. P. Keiper*
ATTORNEY

1

2,923,949

DIAPER RINSING DEVICE

Richard W. Platt, Elbridge, N.Y., assignor of one-half to Lawrence Brennan

Application September 24, 1956, Serial No. 611,718

2 Claims. (Cl. 4-1)

This invention relates to a diaper holder, adapted for closet diaper rinsing.

Removing soil from diapers is ordinarily accomplished by first rinsing the diaper in the bowl of a closet, so that the soil is properly disposed of and flushed into the sewerage system. Manually rinsing a diaper in a closet bowl is time consuming, requires coordination with flushing, and would generally result in better rinsing if more time were allowed for the operation.

The present invention is directed to a diaper holder which is adapted to hook over the rim of a toilet bowl and secure the end of a diaper, whereby the central section of the diaper may soak in the bowl, while the free end and central section of the diaper on flushing may trail into the trap, and thereby be subjected to the rapid flushing flow of water. One or more flushes separated by the usual interval required for closet tank refill will effectively remove solids and soil to the same extent as tedious hand-rinsing, with the result that diapers so treated are ready for laundering.

The above and other novel features of the invention will appear more fully hereinafter from the following detailed description when taken in conjunction with the accompanying drawings. It is expressly understood that the drawings are employed for purposes of illustration only and are not designed as a definition of the limits of the invention, reference being had for this purpose to the appended claims.

In the drawings:

Figure 1 is a sectional view through a typical water closet, showing the diaper holder in position;

Figure 2 is a perspective view of the diaper holder;

Figure 3 is an elevational view of the locking disc; and

Figure 4 is a side view of such disc.

Referring to the drawings in Figure 1, there is shown a toilet bowl 10 having the usual trap 12 which maintains a water level within the bowl as is indicated at 14. Hanging over the forward edge of the bowl is a heavy wire hook and diaper clasp 16 which is shown as securing a diaper 18 by an end thereof, against being carried down through the trap into the drain. The wire clasp has an elongated loop portion 20 having substantially straight parallel portions 22 and 24 which merge into a semicircular loop 26 of a diameter slightly greater than the spacing between the parallel portions. The ends of the wire are twisted together as at 28 for rigidity, to complete the loop, and the ends are played as at 30 and bent as at 32 and 34 to form hooks of a suitable shape to hang over the toilet bowl rim 36.

Disposed between the parallel wires 22 and 24 is a sliding lock disc 36 having an annular groove 38 around its periphery and opposed flat sided grooves 40 and 42 which are of greater width than the diameter of the wire. The annular groove 38 is of a cross-section to snugly grip the wire of which the loop is formed. The depth

2

of the annular groove corresponds to the internal diameter of the loop 26.

When it is desired to secure a diaper in the loop 26, the end of a diaper is inserted through the loop, and the disc is then slid from the position shown in Figure 2, into the loop end of the hanger. The disc is then rotated within the loop so as to lock the disc in the circular loop end and securely hold the diaper. The diameter of the loop 26 is substantially the same as the diameter of the depth of the annular groove in the disc so that the disc or knob can be readily rotated. When rotated the disc will be prevented from moving upward between the parallel portions of the wire.

When rinsing is completed, the hook is lifted from the bowl, the disc rotated and slid back in the loop. The diaper is then removed, and sent to the laundry.

It will be seen that the trap of the closet is about the right length so that the soiled central part of the diaper will soak in the bowl and on flushing will be caused to trail down the trap, as indicated in the drawing. Several flushings, interrupted by soak periods, will remove most of the soil to such an extent as to properly condition the diaper for return to the diaper service, or so that it can be washed in an ordinary washing machine.

The wire frame may be of stiff wire rubber coated or enameled as desired, and the lock or disc may be formed of plastic. Such disc may be inserted between the wires prior to twisting the loop closed at 28.

While a single embodiment of the invention has been illustrated and described, it is to be understood that the invention is not limited thereto. As various changes in the construction and arrangement may be made without departing from the spirit of the invention, as will be apparent to those skilled in the art, reference will be had to the appended claims for a definition of the limits of the invention.

What is claimed is:

1. A diaper rinsing device for use in a closet bowl comprising a wire frame having at one end an elongated loop portion, said loop portion comprising parallel spaced wire portions terminating in an end circular loop portion of a diameter greater than the spacing between the parallel wire portions, said frame at its other end being formed to provide a hook for attachment over the rim of a toilet bowl, and a grooved member slidably disposed on said parallel wire portion, said member having peripheral spaced arcuate grooves on opposite sides thereof of a diameter to correspond to the diameter of said end loop, and parallel deeper grooves intermediate and connecting the adjacent end of said arcuate grooves, said deeper grooves being diametrically spaced approximately by the distance between said parallel wire portions, said member being adapted to be slid lengthwise of the loop to engage a diaper in the end loop portion, and to clamp said diaper by rotation of the member in the circular end loop.

2. A diaper rinsing device for use in a closet bowl comprising a wire frame having at one end an elongated loop portion, said loop portion comprising parallel spaced wire portions terminating in an end circular loop portion of a diameter greater than the spacing between the parallel wire portions, said frame at its other end being formed to provide a hook for attachment over the rim of a toilet bowl, and means having opposed deep grooves slidably disposed on said parallel wire portions, and said means having shallow opposed grooves intervening said deep grooves for locking engagement of said last-named means at the circular loop portion end of the

2,923,949

3

frame against the end of a diaper threaded through said circular loop portion.

References Cited in the file of this patent

UNITED STATES PATENTS

602,805 Humphrey ----- Apr. 19, 1898
707,876 Sulzbacher ----- Aug. 26, 1902

1,246,485
1,362,298
2,660,772
2,740,970

5

16,641
374,965

4

Speas ----- Nov. 13, 1917
Hake ----- Dec. 14, 1920
Ehrhardt ----- Dec. 1, 1953
Fagundus ----- Apr. 10, 1956

FOREIGN PATENTS

Great Britain ----- July 28, 1904
Germany ----- May 3, 1923