

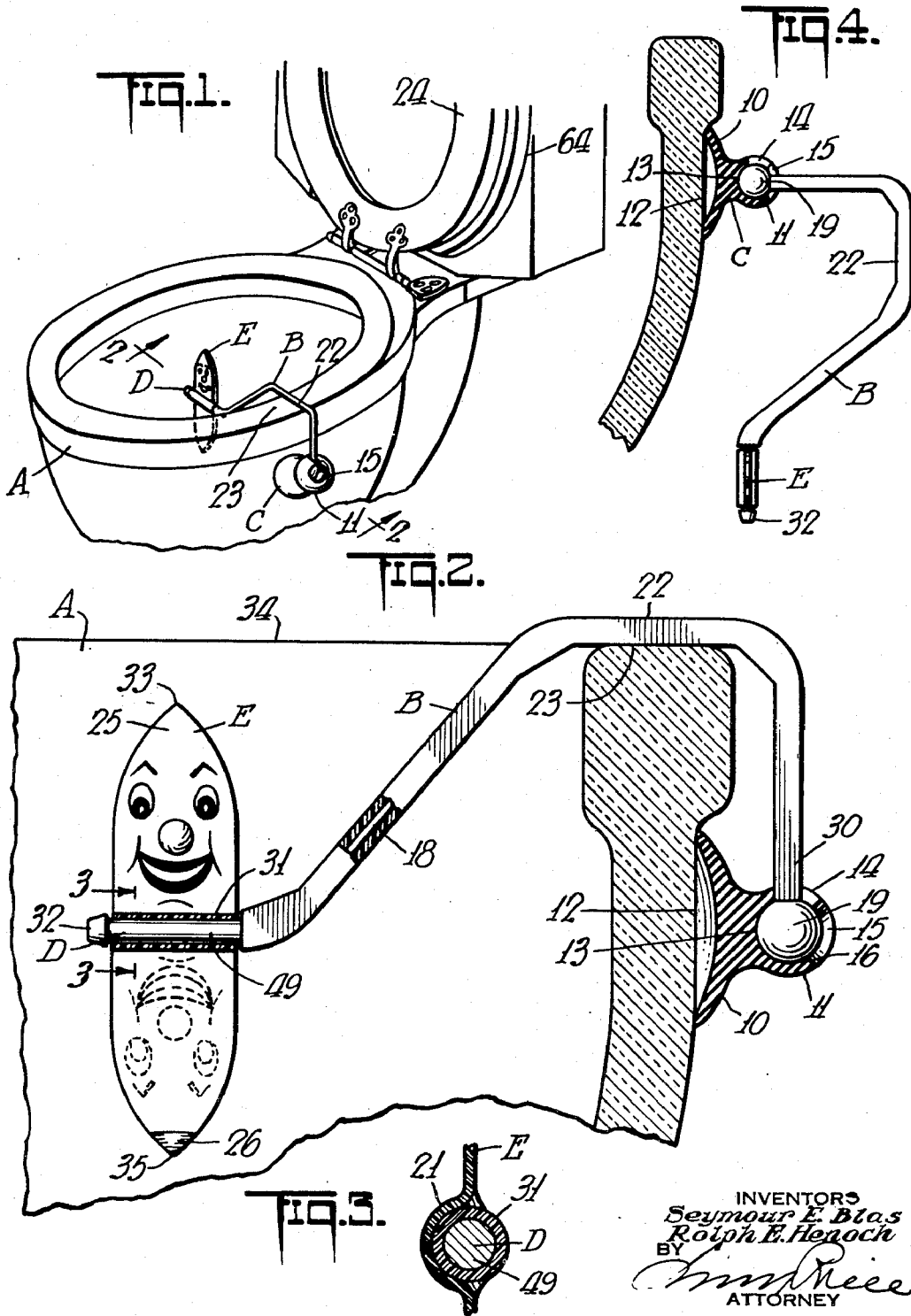
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BOY'S TOILET TRAINER

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BOY'S TOILET TRAINER

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7 Claims. (Cl. 4-1)

The present invention relates to a boy's toilet trainer and it particularly relates to a device for the instruction and training of young boys to increase the sanitary cleanliness of bathrooms and toilet rooms, and it is among the objects of the present invention to provide a simple inexpensive, readily adjusted device, which may be applied to toilet bowls of standard size and construction, and which may be moved up into operative position when the toilet is to be used by young boys or which may be moved down below and beside the toilet bowl.

A further object is to provide a boy's toilet trainer, particularly for young boys, to aid in the instruction of proper behavior and sanitary practices while utilizing bathrooms and toilet bowls, and particularly to train them in the practice of not wetting the floor around the toilet bowl.

A still further object of the invention is to provide a boy's toilet trainer of sufficient appeal to the young boys to make use of it prior to wetting their pants.

Still further objects and advantages will appear in the more detailed description set forth below, it being understood, however, that this more detailed description is given by way of illustration and explanation only and not by way of limitation, since various changes therein may be made by those skilled in the art without departing from the scope and spirit of the present invention.

In accomplishing the above objects it has been found most satisfactory, according to one embodiment of the present invention, to provide a detachable mounted structure on the side or below the top of the toilet bowl on the upper end of which is mounted a swinging arm carrying a rotatable paddle member or spoon-like member.

Desirably, the swinging arm may be connected by a socket member to a mounting on the toilet bowl which may take the form of a suction cup. The arm may be swung into the bowl where it will be in operative position. When the arm is moved into an operative position, it will provide a horizontally extended axis or pivot rod transverse to the fore-and-aft axis of the toilet bowl so that the stream of fluid will cause rotation of the paddle member.

It is also desirable to readily cleanse or sanitize the device so that it may be readily taken apart and washed, or for temporary cleansing, the arm may be made sufficiently flexible so that it may be bent into the stream of water flowing into the bowl.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described, and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:

Fig. 1 is a top plan view showing the device of the present invention as applied to a standard toilet bowl, the device being shown in operative position in solid lines.

Fig. 2 is a fragmentary transverse sectional view upon the line 2-2 of Fig. 1 and upon an enlarged scale as compared to Fig. 1.

Fig. 3 is a fragmentary transverse sectional view upon the line 3-3 of Fig. 2 and upon an enlarged scale as compared to Fig. 2, showing the pivot mounting of the spinner element.

Fig. 4 is a fragmentary side sectional view showing

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the arm and its associated spinner element hanging down alongside of the bowl in inoperative position.

Referring to Figs. 1 to 4, there is shown a toilet bowl of standard construction A provided with a swinging arm B, which in turn is mounted upon the mounting structure C.

The mounting structure is mounted upon the toilet bowl A.

The swinging arm B carries a transverse pivot mount D upon which is the rotating spinner or spoon member E, which may take the form of a clown, or some other attractive figure. The member E acts as a rotating impeller or propeller.

In the form shown in Figs. 1 and 2, the supporting structure C has a suction cup 10 of rubber or pliable plastic, which grips the side of the bowl at 12. The cup 10 carries a socket connector 11.

The socket connector 11 has a socket 13 with a transverse slot 14 and an inlet opening 15 with a bevelled edge 16.

The swinging arm structure B may also be made of a plastic or rubber material with a central reinforcing wire or rod 18, and it has an end ball 19 which fits into and rotates within the socket 13.

The arm B has a transverse shaft portion 49 which extends through the sleeve 31 mounted on the middle portion 21 of the body of the spinner member E.

The spinner member E is shown as having a smiling face but other figures may be applied to the spoon-like impeller or propeller device.

As indicated, the arm B may be readily swung into operative position as shown in Figs. 1 and 2 with the section 22 of the arm B stopped against the upper edge 23 of the bowl A.

The seat 24 will not be closed with the arm B in the position of Figs. 1 and 2.

In operation the device E may be swung into position directly at the center of the bowl as shown in Figs. 1 and 2, where the stream of fluid will strike one side of the spinner E, as at 25 in Fig. 2 and thus set the spinner E in motion.

The other side may be slightly weighted, as at 26, so that the spinner will always come to rest in vertical position.

The arm B may be of sufficient flexibility to enable the pedal or rotating device E to be held in the stream of incoming flushing water for cleansing purposes. For more thorough cleansing, the arm B and mount C may be readily detached from the bowl A and all parts may be washed with disinfectant.

In operation, the ball 19 will ride freely within the socket 13 and may be inserted through the bevelled edge opening 15. The bevelled edges 16 will hold it in position since they will be of smaller diameter than the diameter of the ball 19.

The arm B in being moved from the position of Fig. 1 to the position of Fig. 4 will be first turned upwardly with the portion 30 of the arm B moving through the slot 14. When the portion 30 of the arm B moves into the opening 15, the arm B may be dropped into the lower position in Fig. 4.

The spinner element E desirably consists of a flat or double spoon-shaped piece of plastic with the upper spoon, as indicated at 25 in Fig. 2, being concave to the observer and the lower spoon being convex toward the observer.

This spoon-shaped element, by means of its central semi-cylindrical portion 21, may be adhesively cemented to or otherwise permanently connected to the sleeve 31 which turns freely on the reduced diameter pivot portion of the arm B.

The sleeve 31 may be slipped over the enlarged conical head 32 at the end of the rod B since the material of the head 32 will be sufficiently soft that it may be compressed to be inserted through the sleeve 31 and it will then snap into position as shown in Fig. 2.

The socket mount or connector 11 may be strapped to the bowl instead of being mounted thereon by the suction cup 10.

The top end 33 of the spinner E will normally be below the bowl level, as indicated at 34, so in case the seat 24 or cover 64 is closed, with the device in position

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as shown in Fig. 1, no damage will ensue since the arm portion 22 will act as a stop or bumper.

In addition, the lower end 35 should be above the water level in the bowl A.

The sleeve 31 should be sufficiently loose on the pivot mount 49 as to turn freely.

It is thus apparent that the applicant has provided a simple, readily adjusted and manipulated boy's toilet trainer which may be readily attached to toilet bowls of standard shape and size.

The supporting structure C and the arm B may be attached to the bowl in different ways than shown, and the entire structure is readily manufactured, is inexpensive and does not require any servicing.

The spinner element E may take the form of a paddle which will swing back and forth upon a mount adjacent its top and at 33, in which case it is not necessary to have a pivot mount as indicated at 49.

The device also may be readily removably clamped onto the upper edge of the toilet bowl and removed when other use is to be made of the toilet bowl. In such case, the suction cup C and the outer portion of the arm B may be replaced by a spring clip to be clipped onto the top of the toilet bowl at 23.

The young male children will be attracted by this device and drawn to the toilet room, with the result that it is much easier to train male children to use toilet facilities.

While there has been herein described a preferred form of the invention, it should be understood that the same may be altered in details and in relative arrangement of parts within the scope of the appended claims.

Having now particularly described and ascertained the nature of the invention, and in what manner the same is to be performed, what is claimed is:

1. A boy's toilet trainer for the purpose of training young male children to urinate into a toilet bowl comprising a rotatable member activated by the stream of fluid so positioned that it will discharge into the bowl, a support for said rotatable member mounted on the side of the bowl and a connection enabling the device to be swung into and out of position above the toilet bowl.

2. A boy's toilet trainer for the purpose of training young male children to urinate into a toilet bowl comprising a rotatable member activated by the stream of fluid so positioned that it will discharge into the bowl, a support for said rotatable member mounted on the side of the bowl and a connection enabling the device to be

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swung into and out of position above the toilet bowl, said rotatable member consisting of a readily cleanable spoon-like propeller device and a horizontally extending pivot bar for mounting the same above and transverse to the fore and aft axis of the toilet bowl.

3. A boy's toilet trainer for the purpose of training young male children to urinate into a toilet bowl comprising a rotatable member activated by the stream of fluid so positioned that it will discharge into the bowl, a support for said rotatable member mounted on the side of the bowl and a connection enabling the device to be swung into and out of position above the toilet bowl, said connection consisting of a swivel member enabling the rotatable member to be swung to the side and below the bowl when not in use.

4. A boy's toilet trainer for attachment to toilet bowls to decrease clothes wetting and encourage proper use of toilet facilities comprising a movable paddle element to be actuated by the urine stream and means to hold such in proper position in the center of the toilet bowl above the water level.

5. A boy's toilet trainer for attachment to toilet bowls to decrease clothes wetting and encourage proper use of toilet facilities comprising a movable paddle element to be actuated by the urine stream and means to hold such in proper position in the center of the toilet bowl above the water level, said last mentioned means including a swinging arm mounted upon the side of the toilet bowl.

6. A boy's toilet trainer for attachment to toilet bowls to decrease clothes wetting and encourage proper use of toilet facilities comprising a movable paddle element to be actuated by the urine stream and means to hold such in proper position in the center of the toilet bowl above the water level, said movable paddle element consisting of a rotatable spinner having attractive decoration thereon.

7. A boy's toilet trainer for attachment to toilet bowls to decrease clothes wetting and encourage proper use of toilet facilities comprising a movable paddle element to be actuated by the urine stream and means to hold such in proper position in the center of the toilet bowl above the water level, said means including a suction cup mounted upon the outside upper edge of the toilet bowl and a swinging arm stopped by the upper edge of the toilet bowl having a pivot mount for said movable paddle element.

No references cited.