

Oct. 28, 1969

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3,474,471

ARM REST FOR WATER CLOSETS OR THE LIKE

Filed July 13, 1966

2 Sheets-Sheet 1

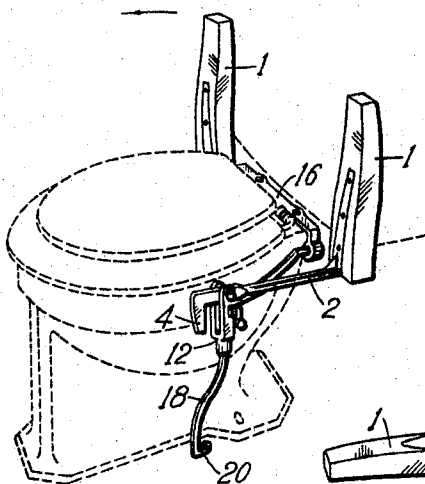


FIG. 1.

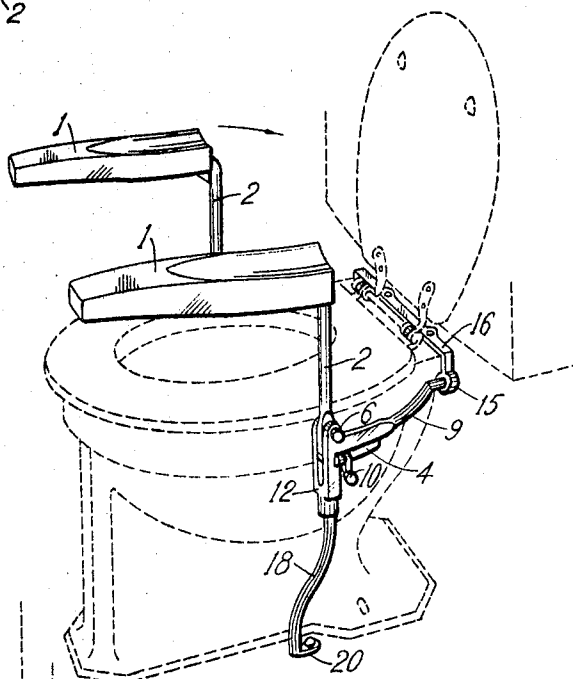


FIG. 2.

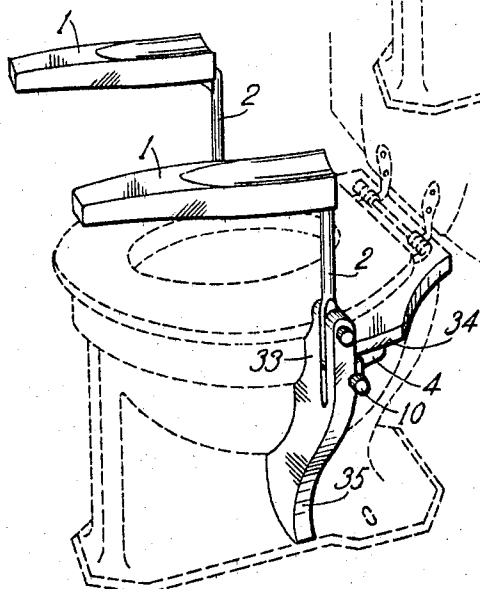


FIG. 3.

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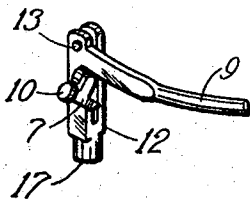
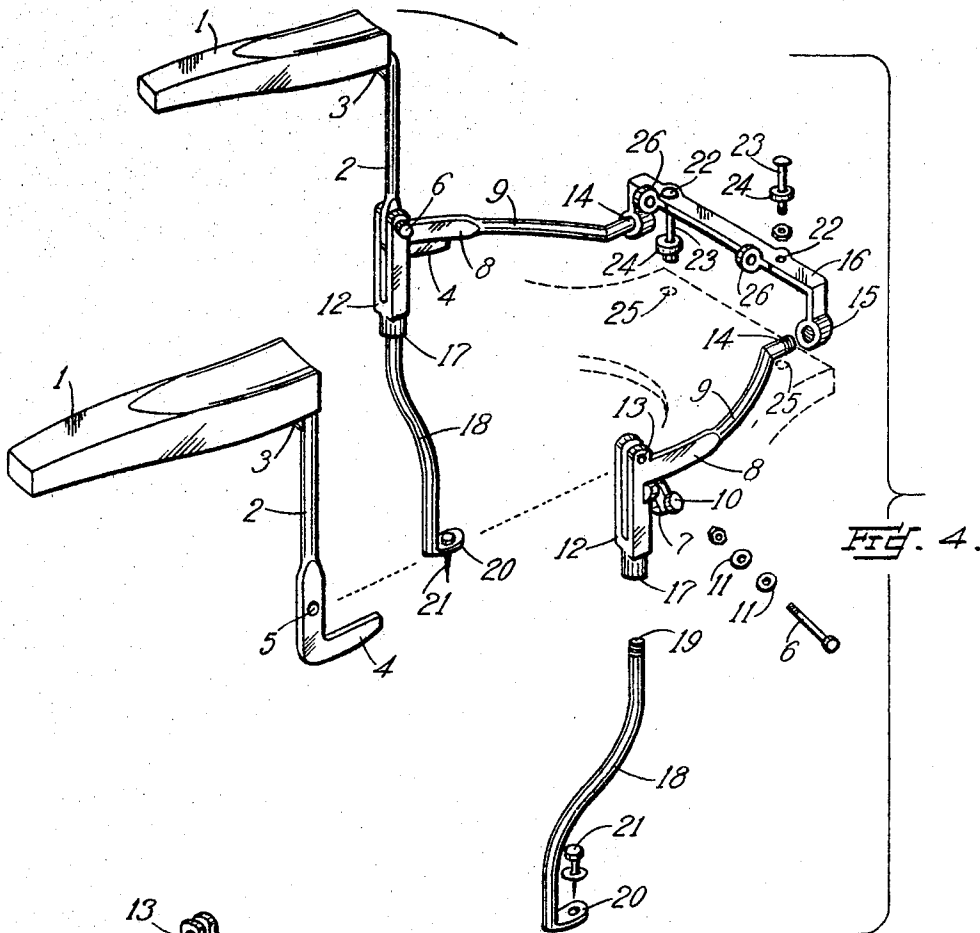
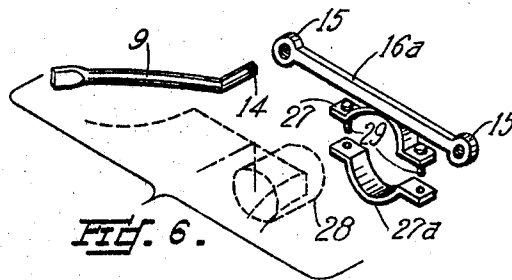
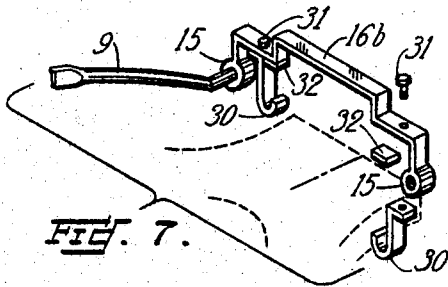


FIG. 5.

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ARM REST FOR WATER CLOSETS OR THE LIKE

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2 Claims

ABSTRACT OF THE DISCLOSURE

An arm rest assembly for attachment to a conventional water closet including a pair of arms supported by vertical studs and a yoke portion for securement to the rear top portion of a water closet. A pair of legs are provided for supporting the vertical studs on the floor at the base of the water closet.

This invention relates to the use of arm rests, more particularly to folding arm rests, that may be attached to water closets or the like.

Have you sat on the water closet feeling weak due to fever, headache, or constipation and found yourself groping for anything at all to hold onto for support? This invention should provide this need.

Another object is to provide our aging grandparents with ever-ready arm rests to give them the necessary support while using the water closet.

Still another object of my invention is to stop healthy children between three and eight years of age, from using water closets in a turned-about crouching position and with their small hands clutching for support to the slippery edges of the water closet's tank.

A further object is to provide the many unlucky cripples handy arm rests for water closets. Furthermore, the arm rests will minimize bathroom accidents while standing by or sitting on the water closet. It is the prime purpose of my invention to serve the vital needs as described. Other objects of my invention will become more apparent as the description proceeds, with reference to the drawings, in which:

FIG. 1 is a perspective view of the water closet arm rest in its folded position. Stronger individuals who have no use for the arm rest are not inconvenienced with its attachment.

FIG. 2 is a perspective view of the arm rest lifted to its designed use.

FIG. 3 is a perspective view of the arm rest molded partially and attached to my new water closet invention with arm rest.

FIG. 4 is a pictorial representation of the complete arm rest with the left side parts thereof disassembled;

FIG. 5 is a perspective view of a coupling member with hook lock.

FIG. 6 is a perspective view of the alternate yoke portion equipped with C-clamps, adapted for attachment to the rear 2-inch pipe of water closets designed without the use of the seat-and-cover unit; and

FIG. 7 is a perspective view of another alternate yoke portion with hook clamps, for clamping to the rear flat portion of water closets.

Referring now to the drawings, the adapted arm rest according to the present invention includes a pair of arm rest 1, each resting upon a stud 2 and attached to the arm rest 1 at 3. Stud 2 has a horizontal flat extension 4 at its lower end, in a direction opposite that of arm rest 1. Just above extension 4 is hole 5, to receive bolt-hinge 6.

Arm rest 1 is lifted one at a time to its desired position. This lifting motion causes the tip of extension 4 to slide aside lock 7. As extension 4 presses against edge 8 of arm 9, lock 7 slides back to its plumbed position, lock-

ing extension 4 and the arm rest unit thereto. This locking device is vital to prevent any accidental folding of arm rest 1 when the sickly, aged or crippled users depend on the arm rest for support. To fold away the arm rest, knob 10 of lock 7 is pulled away from extension 4, releasing arm rest 1 for folding backwards. This folded position is kept constant as stud 2 rests horizontally on arm 9. The easy lifting and folding of arm rest 1 is made possible with the use of thin washers 11 of bolt-hinge 6.

Coupling 12 connects the parts of the arm rest. Its hole 13 is for bolt-hinge 6 to hold arm rest 1 at its hole 5. Bent arms 9, with its flat end attached to coupling 12, have a rod portion at its other end 14, extending to the rear of the water closet, said end 14 with screw threads to engage threaded socket 15 of yoke 16. Said coupling's internally threaded tip 17 engage rod legs 18 through its threaded upper end 19. Toes 20 are secured to the flooring beside the water closet base with screw-bolt 21.

Yoke 16 is provided with holes 22, where bolts 23, with washers 24, are passed. Bolts 23 secure yoke 16 to water closets through holes 25. Yoke 16 is also with rings 26 where the seat-and-cover unit is attached.

An alternate for yoke 16 is yoke 16a, adapted to be secured to water closets without holes 25. Yoke 16a is attached to C-clamp 27, paired with C-clamp 27a, which are both clamped onto a water closet's rear 2-inch pipe 28 and tightened with bolts 29. Another yoke is yoke 16b, which is provided with a pair of hook clamps 30 that clamps the underside ribs of the rear flat portion of water closets without holes 25. Bolts 31 tighten clamps 30. Hard rubbers 32 are cushion washers.

In FIG. 3, coupling 33, ledge 34 and leg 35 are reinforced and molded body parts of my new water closet with arm rests.

From the foregoing description, it is evident that the device provides a means of supporting and swinging the arm rest 1 to its desired and folded positions. Although I have shown a specific construction of the parts, I am aware of the fact that the parts may be varied in form, shape and contour, without affecting their functions, and I reserve the right to make such changes without departing from the spirit of my invention.

Having thus described my invention, I claim:

1. An arm rest adapted to be attached to conventional water closets or the like, said arm rest comprising:

- (a) a pair of arm supporting means;
- (b) a pair of vertical studs, the upper ends of which respectively hold the ends of said supporting means, the lower ends of which are each provided with a horizontal flat extension extending in a direction opposite that of the arm supporting means, said studs are provided with holes at their lower ends just above the flat extensions;
- (c) a yoke portion to be secured to the rear top portion of a water closet, said yoke portion being provided with a pair of internally threaded sockets;
- (d) a pair of couplings having holes at their upper portions, each coupling holding said studs and flat extensions through their respective holes by means of a hinge-bolt, each coupling is also provided with a vertical slot to allow pivoting of said studs backward through a hinge-bolt, said couplings are further provided with a hook-shaped lock to keep the stud firmly in place when in vertical position, each coupling has a bent arm extending to the rear of the water closet, said arms having a flat portion at one end attached to said coupling, and a rod portion at its other end, and with threads to be engaged to the threaded sockets of said yoke portions; and
- (e) a pair of legs, whose upper ends are secured to said couplings, with its lower ends secured to the flooring at the water closet's base.

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2. An arm rest of claim 1, wherein the couplings, arms and legs are reinforced and molded body parts of my new water closet with arm rests.

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5 PATRICK D. LAWSON, Primary Examiner

U.S. Cl. X.R.

297-417