

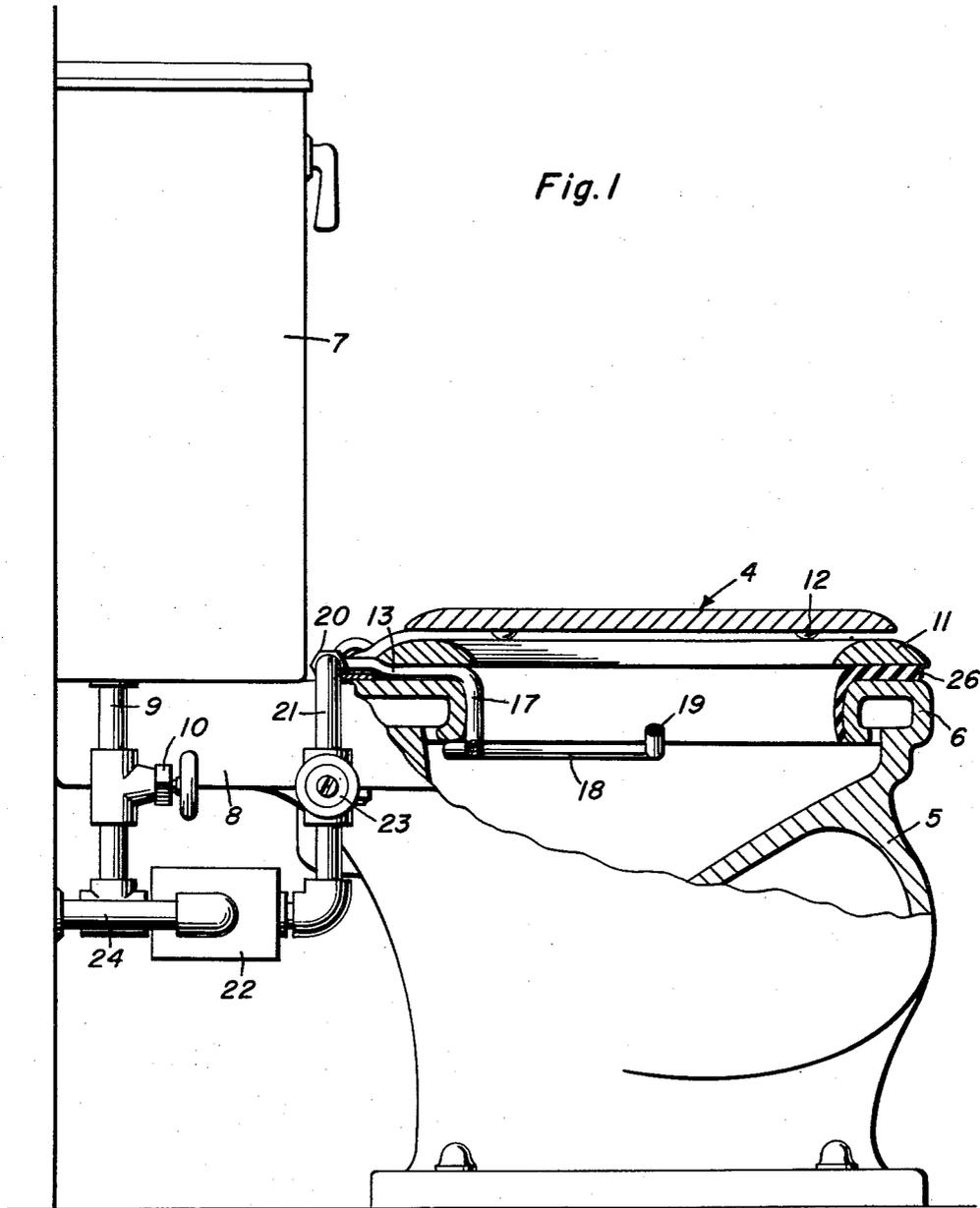
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K. D. McMULLEN
BIDET

2,957,180

Filed Aug. 13, 1959

2 Sheets-Sheet 1



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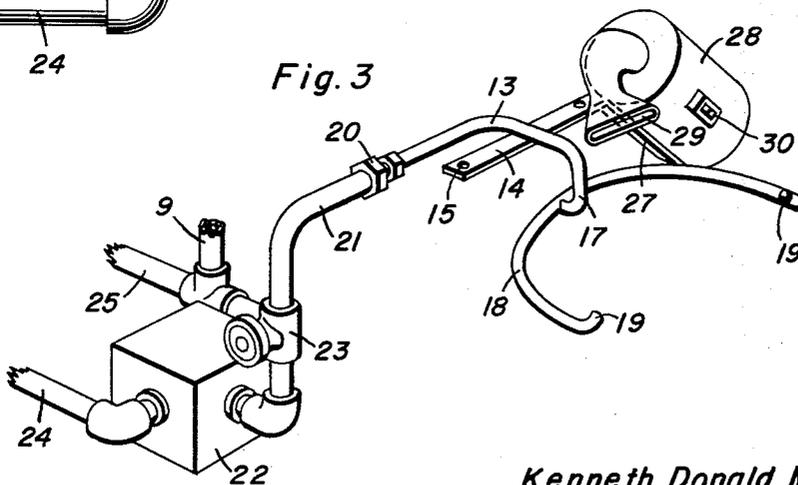
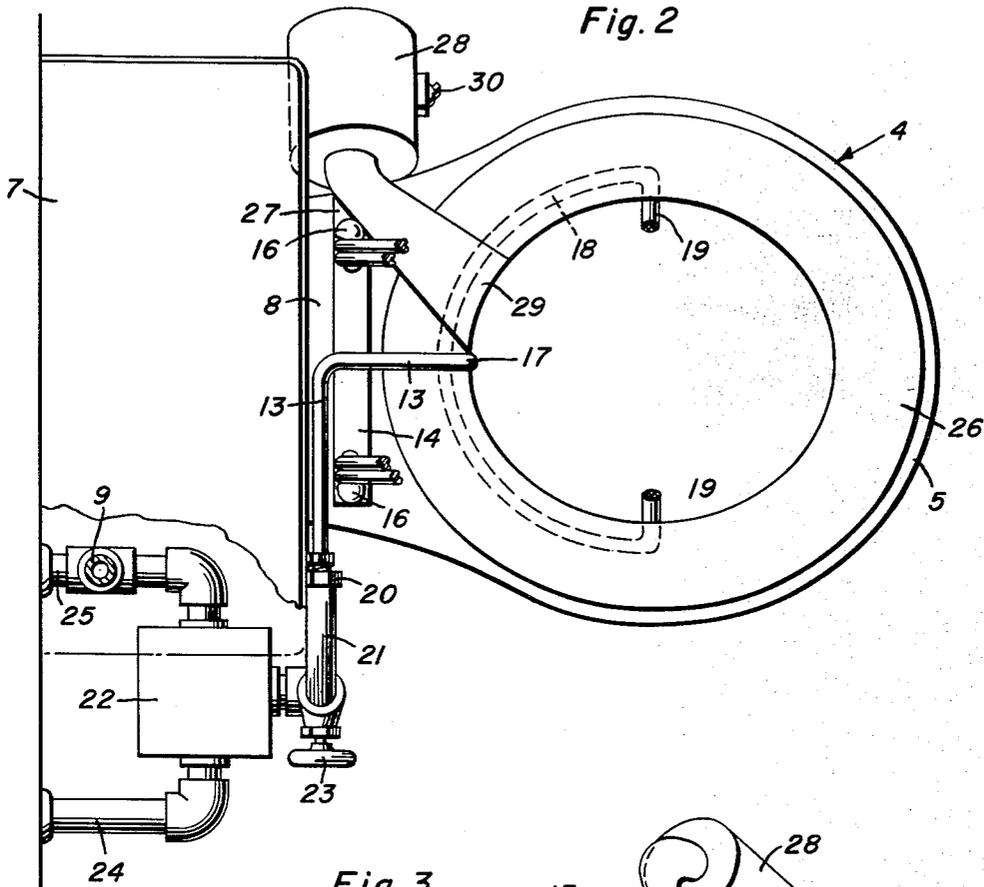
K. D. McMULLEN

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2 Sheets-Sheet 2



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2,957,180

BIDET

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1 Claim. (Cl. 4-7)

This invention relates to new and useful improvements in bidets of the type used in conjunction with commodes and has for one of its important objects to provide, in a manner as hereinafter set forth, novel means for conveniently applying water of the desired temperature to the part of the body to be cleansed.

Another important object of the present invention is to provide unique means for rapidly drying the cleansed parts without the necessity of touching with the hands.

Still another very important object of the invention is to provide an improved bidet of the aforementioned character which is adapted to be expeditiously mounted for use on a conventional toilet or commode without materially altering the same structurally.

Other objects of the invention are to provide a bidet of the character set forth which will be comparatively simple in construction, strong, durable, compact inconspicuous, sanitary and which may be manufactured and installed at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a view partially in side elevation and partially in vertical section, showing an improved bidet embodying the present invention installed;

Figure 2 is a top plan view thereof; and

Figure 3 is a perspective view of the device per se.

Referring now to the drawing in detail, it will be seen that reference character 4 designates generally a toilet or commode. The commode 4 includes the usual bowl 5 comprising a rim 6, a flush tank 7 mounted on the rear 8 of said bowl and having connected thereto a water supply type 9 controlled by a valve 10. Hingedly mounted for vertical swinging movement on the bowl 5 is a seat 11 and a cover 12 for said seat.

The embodiment of the present invention which has been illustrated comprises a tube or pipe 13 which is fixed transversely on a metallic mounting bar 14. The end portions of the bar 14 are apertured as indicated at 15 for receiving the existing studs 16 which secure the seat 11 on the rear portion 8 of the bowl 5. The tube or pipe 13 extends forwardly from the mounting bar 14 and terminates in a downwardly and reversely bent forward end portion 17 having fixed thereon a generally U-shaped manifold 18 which extends beneath the rear portion of the rim 6 of the bowl 5. The manifold 18

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terminates in inwardly and upwardly inclined spray nozzles 19.

The other end of the pipe or tube 13 is connected at 20 to a pipe 21 from a mixing chamber 22. A control valve 23 is interposed in the pipe 21. Reference character 24 designates a hot water supply pipe connected to the mixing chamber 22. Also connected to the mixing chamber 22 is a cold water supply pipe 25. The pipe 9 to the flush tank 7 is also connected to the cold water line 25.

As shown to advantage in Figure 1 of the drawing, a rubber gasket 26 is mounted on the rim 6 of the bowl 5 for closing and sealing the space between said rim and the seat 11. Of course, the seat 11, when in use, rests on the gasket 26.

The mounting bar 14 includes one end a laterally and downwardly inclined extension or arm 27. Mounted on the arm or extension 27 is an electric blower 28 comprising a nozzle 29 which projects beneath the rear portion of the seat 11 for discharging warm, hot or unheated air into the upper portion of the bowl 5. The blower or drier 28 includes a suitable control valve 30.

It is thought that the use of the invention will be readily apparent from a consideration of the foregoing. Briefly, the user occupies the seat 11 and opens the control valve 23. Water from the mixing chamber 22 then flows through the pipes 21 and 13, the manifold 18 and is discharged in an obvious manner on the parts to be cleansed by the inwardly and upwardly directed nozzles 19. Of course, the mixer 22 is of the automatic type. The valve 23 is then closed and the drier 28 is turned on for drying the cleansed parts. When the drying operation has been completed, the drier 28 is turned off and the toilet is flushed in the usual manner.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

A commode comprising a bowl including a rim, a seat on said bowl, a sealing gasket between the seat and the rim, a bar mounted on the bowl and including an extension on one end, common means securing the seat and the bar on the bowl, a pipe fixed on said bar and having one end portion extending downwardly and rearwardly beneath the rim, a generally U-shaped manifold fixed on said one end portion of said pipe and supported thereby beneath the rear portion of the rim, discharge nozzles on the ends of the manifold, a water mixer connected to the other end of the pipe, and a drier mounted on the extension, said drier including a nozzle extending beneath the seat for discharging air into the upper portion of the bowl.

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