May 9, 1967 J. L. BETHAM 3,318,285

DOG AND PET TOILET

Filed Aug. 16, 1965

Fig. 1.

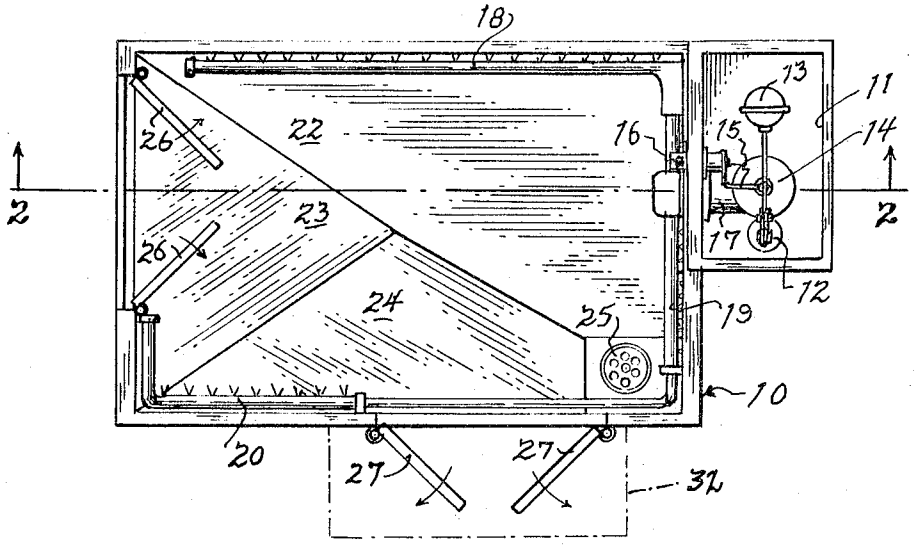


Fig. 3.

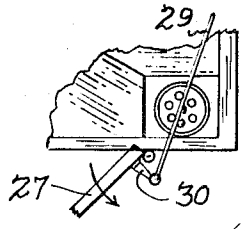


Fig. 2.

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DOG AND PET TOILET

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1 Claim. (Cl. 119—1)

This invention relates to a household pet toilet designed more particularly for the use of cats and dogs but which may be also adapted for use by other animals.

An object of the invention is to provide an inexpensive and efficient sanitary toilet device that is adapted to be permanently installed in the floor of a dwelling and to be connected with the plumbing of the building and used to flush out the excrement deposited by the animals confined within the house.

Another object of the invention is to provide a device of the class stated which animals may use without discomfort and with regard to which there will be nothing they might object to, thus providing a toilet device which a pet may be readily trained to use.

A further object of the invention is to provide a device that will be an improvement upon others of its class with regard to general simplicity of construction, one which may readily be installed, which will not materially disfigure the appearance of the room, and which will operate in a more dependable efficient manner.

Other objects and advantages will be in part evident to those skilled in the art and in part pointed out hereinafter in the following description taken in connection with the accompanying drawing, wherein there is shown by way of illustration and not of limitation a preferred embodiment of the invention.

In the drawing;

FIGURE 1, is a planned view of a toilet facility construction in accordance with the invention,

FIGURE 2, is a vertical section view taken along line 2—2 of FIGURE 1, looking in direction of arrows, and

FIGURE 3, is a fragmentary view showing an operating detail.

For a more detailed description of my invention, reference is now had to the accompanying drawing wherein the numeral **10** designates generally a chamber or enclosure-forming member which may be formed of ceramic material or any similar material and/or construction of a watertight nature. Mounted separately or formed as an integral part of the enclosure member **10**, there is a flush tank **11** with a conventional float controlled valve **12** and a float **13**. The float tank **11** has a flush controlling valve member **14** with a control lever **15** that is actuated by a crank **16** at the outside of the tank. When the flush valve **14** is opened, the contents of the tank **11** will flow through a conduit **17** to a water distributing system which includes lengths of pipe **18**, **19** and **20** that are provided with spaced perforations which will direct jets of flushing water downwardly and along the sides and end wall of the enclosure member **10**. There is an upper level of pipes **18** and **19** which serve to flush the walls of the enclosure and also a lower level of pipes **21** which serve to provide for a flushing of the floor of the enclosure **10**. In other words, since it is the custom, particularly with male dogs

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to urinate against a vertical surface, these systems of pipes **18** and **19** will be arranged along the upper edges of the confining walls and similar jet-producing pipes may be disposed adjacent to the floor as designated by the numeral **21**. The floor of the enclosure is shown in three different angularly inclined surfaces **22**, **23** and **24** which provide a trough-like arrangement that will direct the flushing water and excrement into a drain outlet **25**, which will preferably be connected to a sewer for final disposal.

With this arrangement, the flushing water tank **11** will be automatically filled following each operation of the flush controlling valve **14** as is well understood in the art and to render the device less objectionable, I have shown the end of the enclosure **10** remote from the flush tank **11** as having two single doors **26** that are biased into their closed position and can be easily displaced to permit the entrance of a pet with a minimum of resistance. In this manner, the pet enters the enclosure **10** in a direction substantially parallel with the longest dimension of enclosure **10** and since the doors **26** are so desgined as to close following the entrance of a pet, this will prevent an exit at this point. For an exit from the enclosure I have shown one side as having similar spring-pressed doors **27** which swing outwardly when the pet desires to leave the toilet facility. As in the case of the doors **26**, these doors **27** are designed to swing only in one direction and, therefore entrance to enclosure **10** must be made though doors **26**.

As shown in FIGURE 2 of the drawing, the drain **25** is connected to the sewer through a trap **31**. Connected with the float control valve **12** there is a water service connection **28** with a valve **28'** as is customary in flush tanks of this type.

In FIGURE 3 of the drawing, I have shown a means by which the flush valve **14** which controls the flushing operation as a connection through a tie rod **29** that is connected at one end to the crank arm **16** and at its other end it is connected through a lever arm **30** which provides an off center connection that will result in a valve operating movement of the tie rod **29** whenever the connected door **27** is opened.

With this arrangement, it can be seen that once a pet has been trained, the matter of toilet will be greatly simplified and all that the pet needs to do is to enter the enclosure through the swinging doors **26** and after having accomplished the purpose of its visit, the pet will be free to leave through the doors **27**. Then as a final operation, the flush tank will come into play and flush away any deposit from the walls and/or floor of the enclosure.

While I have, for the sake of clearness and in order to disclose my invention so that the same can be readily understood, described and illustrated a specific form and arrangements, I desire to have it understood that this invention is not limited to the specific form disclosed, but may be embodied in other ways that will suggest themselves to persons skilled in the art. It is believed that this invention is new and all such changes as come within the scope of the appended claim are to be considered as part of this invention.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

In a pet accommodating toilet, the combination of a walled enclosure having an inclined flooring and vertical side walls, a drainage outlet at a low point in said inclined flooring having connections with a disposal means, a direct entrance opening in an end wall of said enclosure having an inwardly swinging door through which a pet may enter said enclosure, a second opening in a side wall of said enclosure having an outwardly swinging door through which a pet may leave said enclosure, said swinging doors being biased to a closed position by suitable means, a flush tank mounted above said enclosure having a conventional float control and discharge valve means with an operating lever for said discharge valve means, flushing water distributing pipes connected to the discharge valve means from said flush tank through

ports for projecting jets of water over floor and side walls of said enclosure, and a discharge valve control means connected between the swinging door of said second opening and said discharge valve, whereby the water from said flush tank will operate to wash excrement from the walls and floor of said enclosure as the pet leaves.

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