

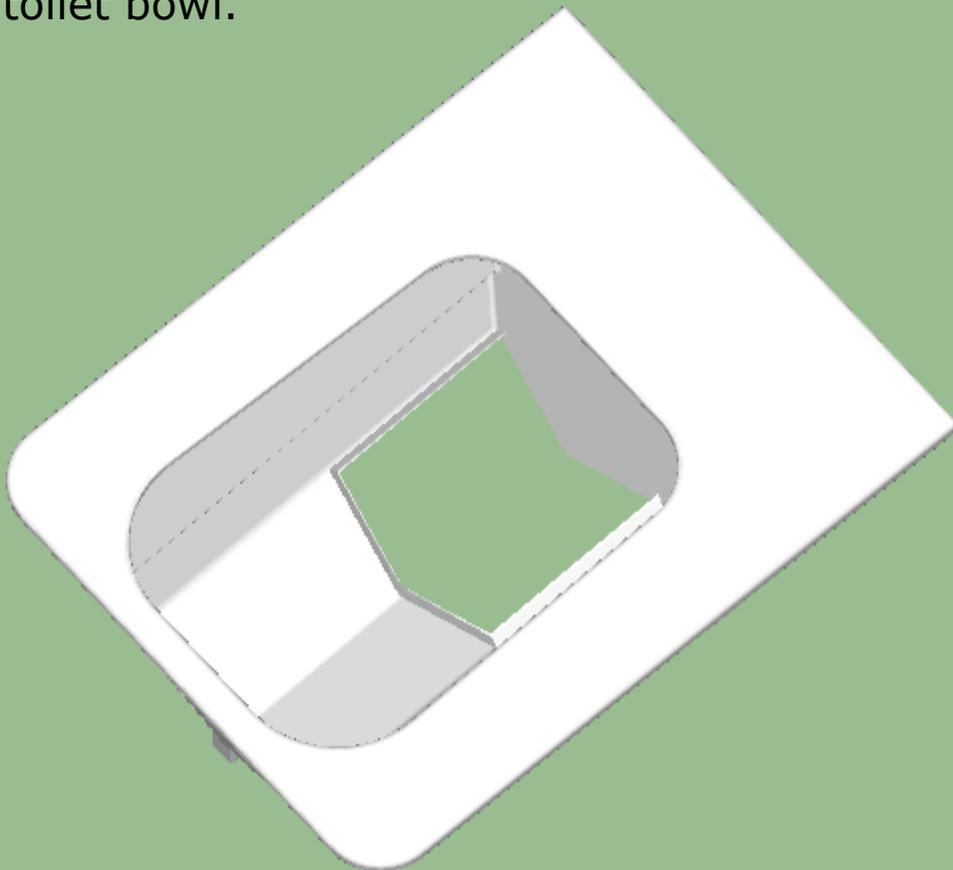
## Unique urine diverting toilet bowl.

It is intended to be used with the gate shown below.

Gate need not and should not be opened for merely urinating!



This system may be good in all Port-A-John and outhouse type toilets. Keep that mess obstructed and out of sight as much as possible!



## Gate for toilet.

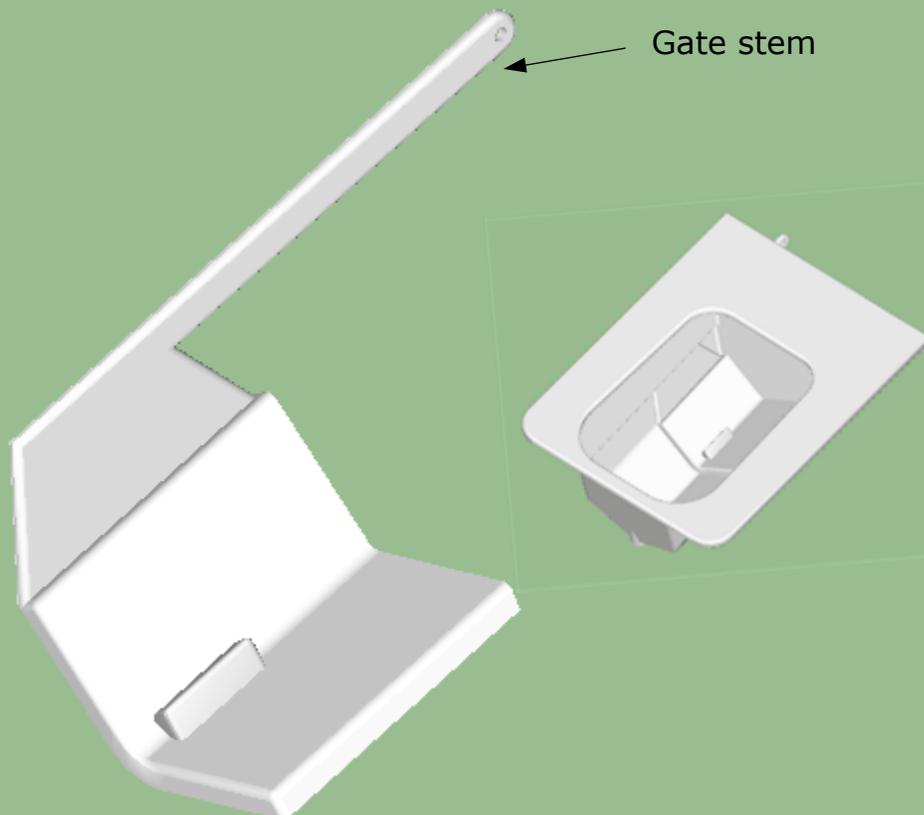
Stem is for opening and closing the gate.

*It's Simple  
but New!*



Proprietor of HSS

This is a simple bowl and gate design arrived at after many other designs were contemplated and fabricated.

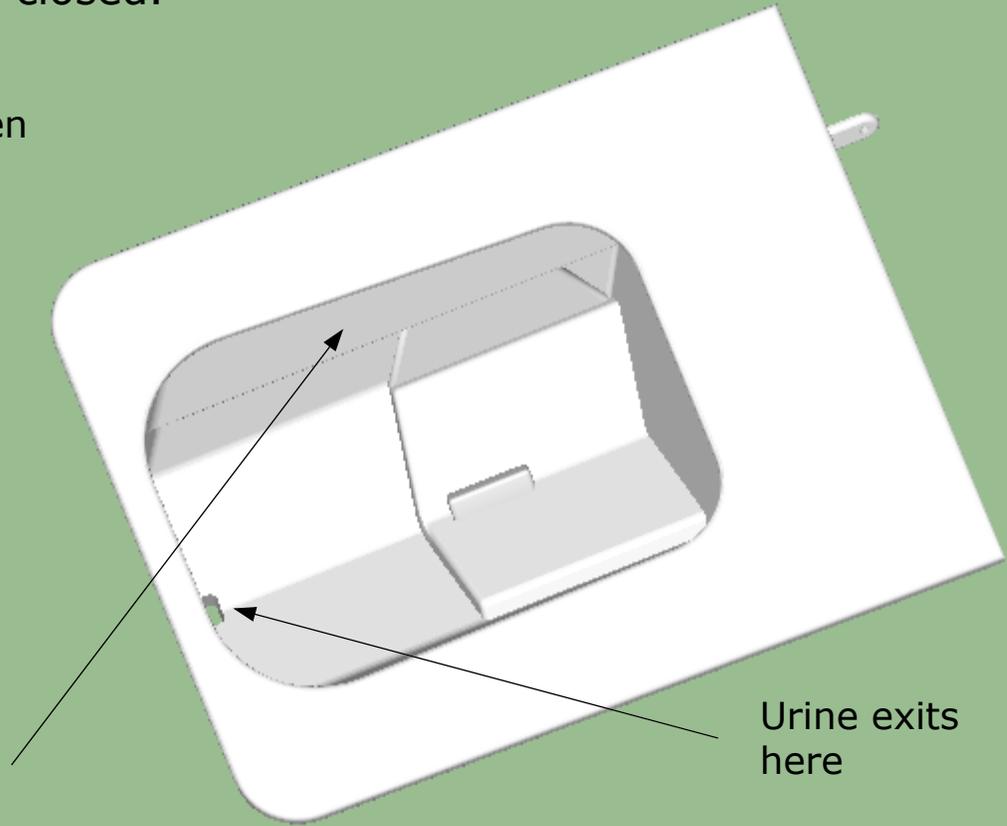


Toilet with gate closed.

Gate remains closed except when defecating.

This urine diversion and gate system may be very beneficial to most all to composting toilet systems!

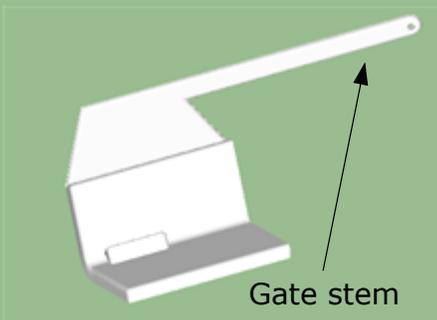
Special panel encloses gate stem drive system.



Urine exits here

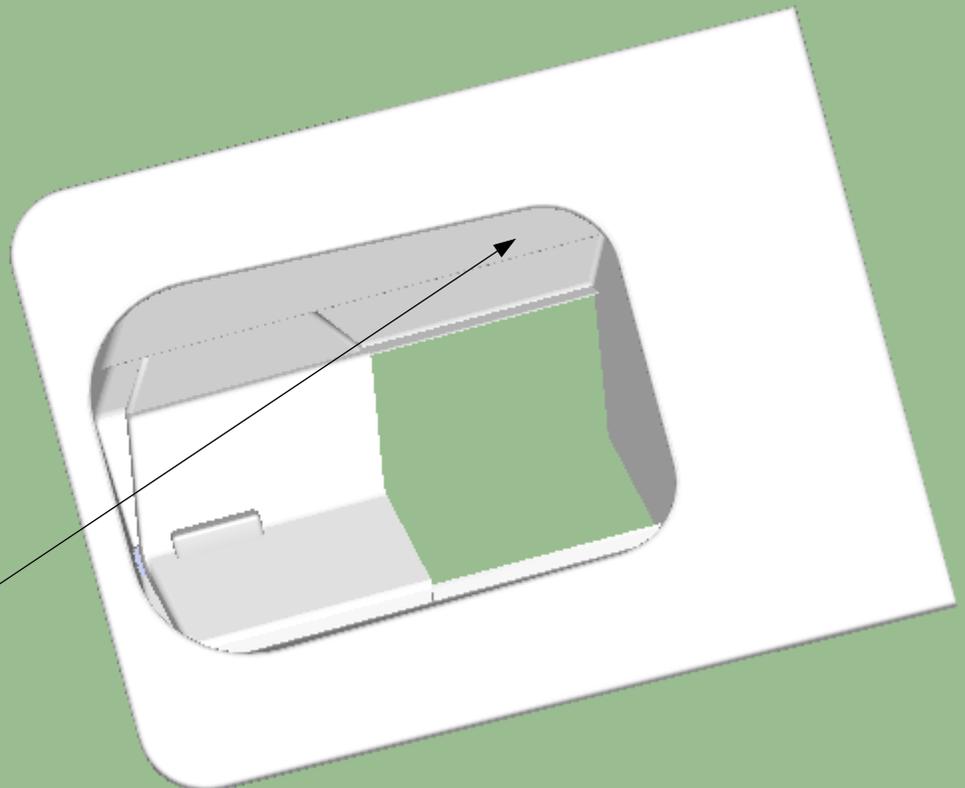
Toilet with gate open.

Gate should only be opened for defecating.

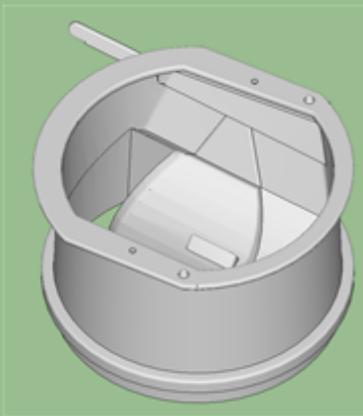
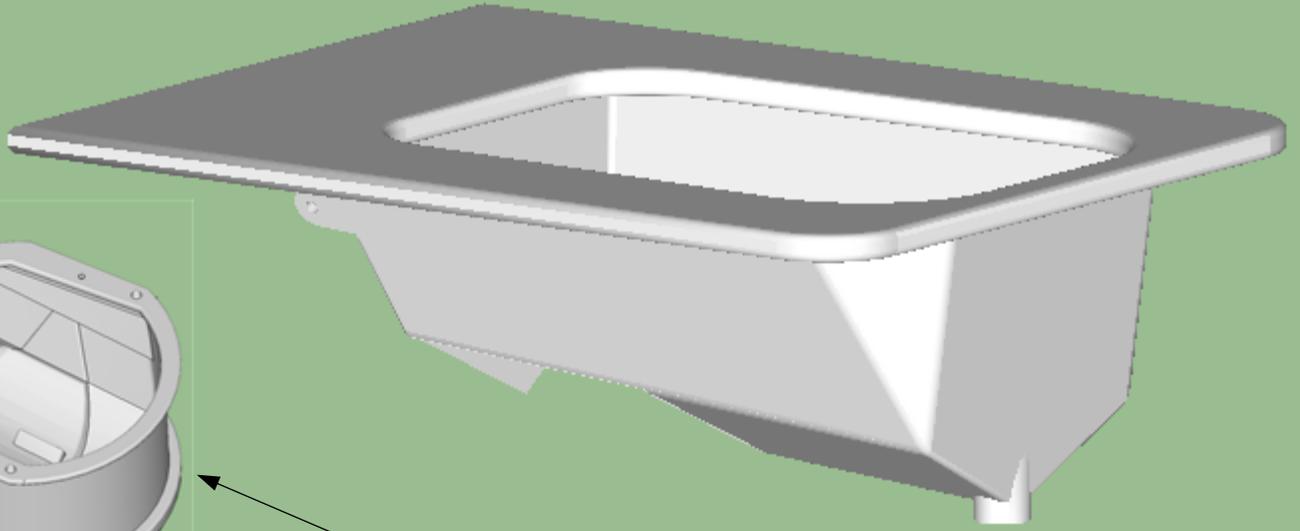


Gate stem

Gate stem is enclosed behind special panel.



HSS also has a similar toilet and gate system which is round in shape and fits on top of a four celled bucket. It is called the SimSan BucketMate toilet.



SimSan BucketMate Toilet Bowl

This toilet has a simple external handle to open and close the gate. This simple system is very sufficient if people for sure remember to open the gate when needed, and then of lesser importance to close it.

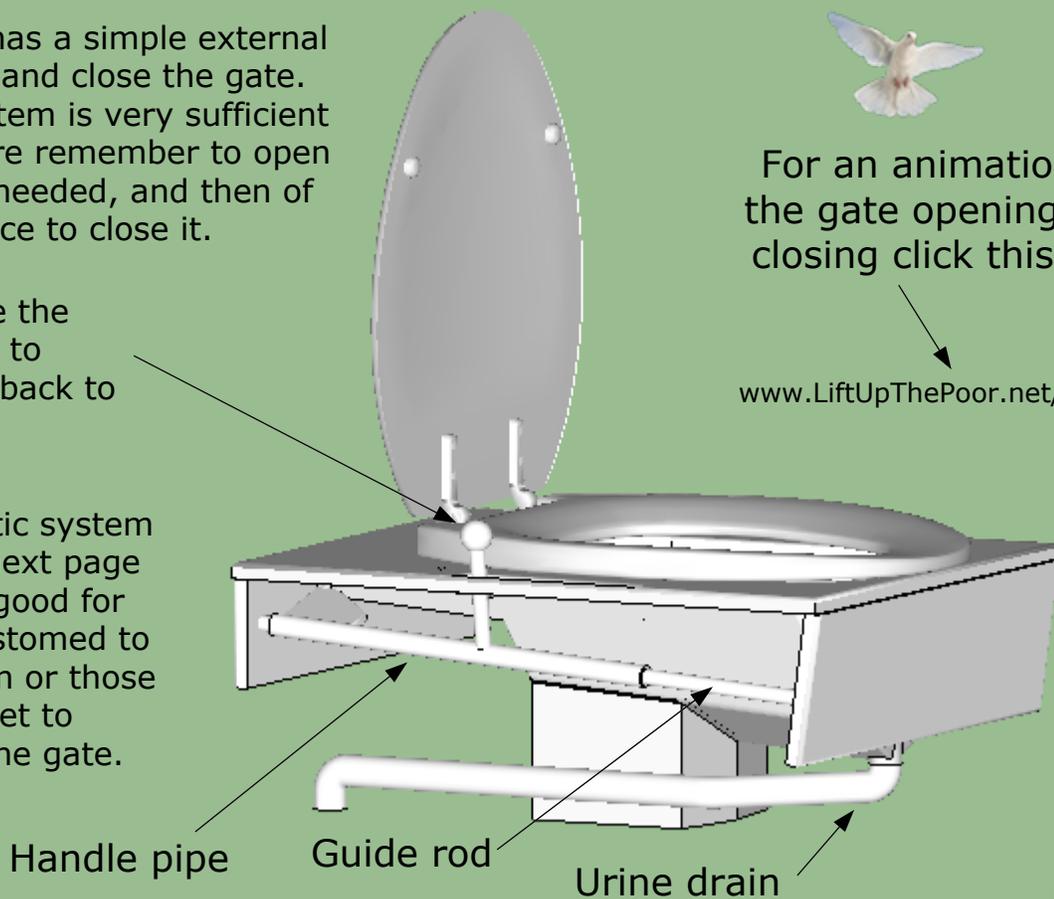
Simply slide the handle forward to open gate and back to close it.

The automatic system shown on the next page would be very good for those not accustomed to the gate system or those who might forget to open or close the gate.



For an animation of the gate opening and closing click this link!

[www.LiftUpThePoor.net/GA.html](http://www.LiftUpThePoor.net/GA.html)



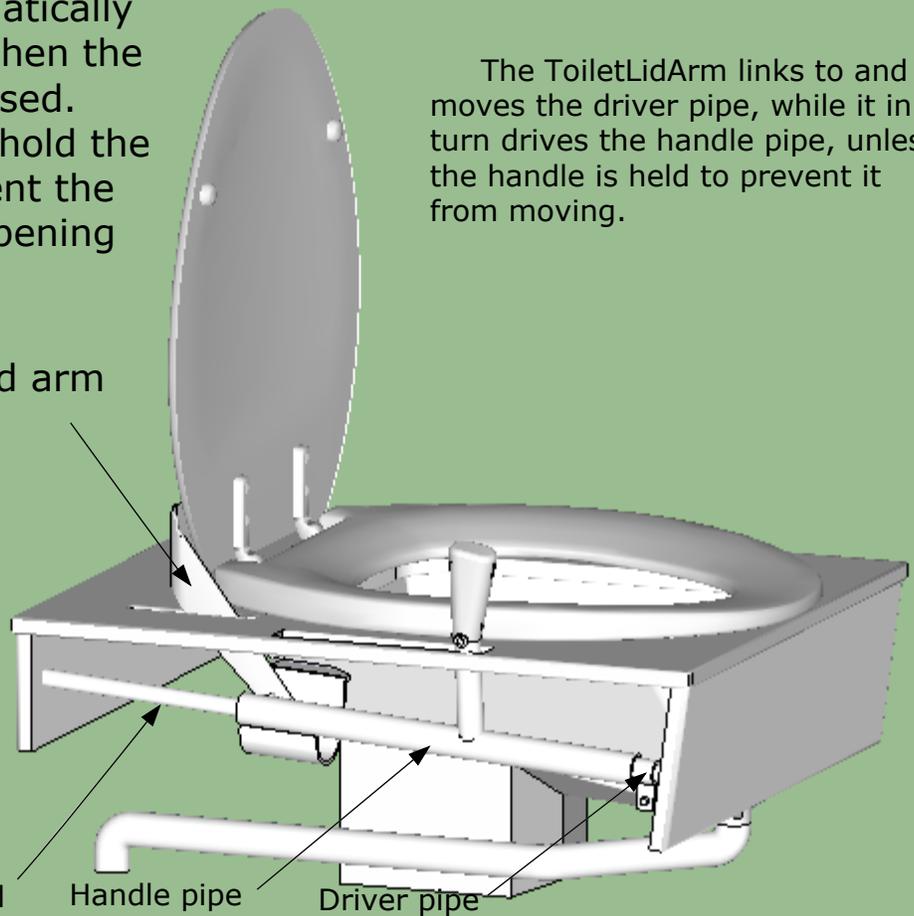
This system will automatically open and close the gate when the toilet lid is opened and closed. Yet it also allows users to hold the lever still to thereby prevent the gate from automatically opening when the lid is opened.

The ToiletLidArm links to and moves the driver pipe, while it in turn drives the handle pipe, unless the handle is held to prevent it from moving.

Toilet lid arm

In this diagram the toilet lid was opened and the gate automatically opened with it. But most times people will not wish the gate to open when they open the lid, thus needing the below option.

Guide rod    Handle pipe    Driver pipe



Here the handle was held while the lid was opened and thus the gate remained closed.

The ToiletLidArm drives the push rod and it in turn moves the DriverPipe and it in turn moves the HandlePipe unless the handle is held back. The HandlePipe is connected solid to the gate.

Although the DriverPipe always moves ahead when the lid is opened here everything else was held stationary.

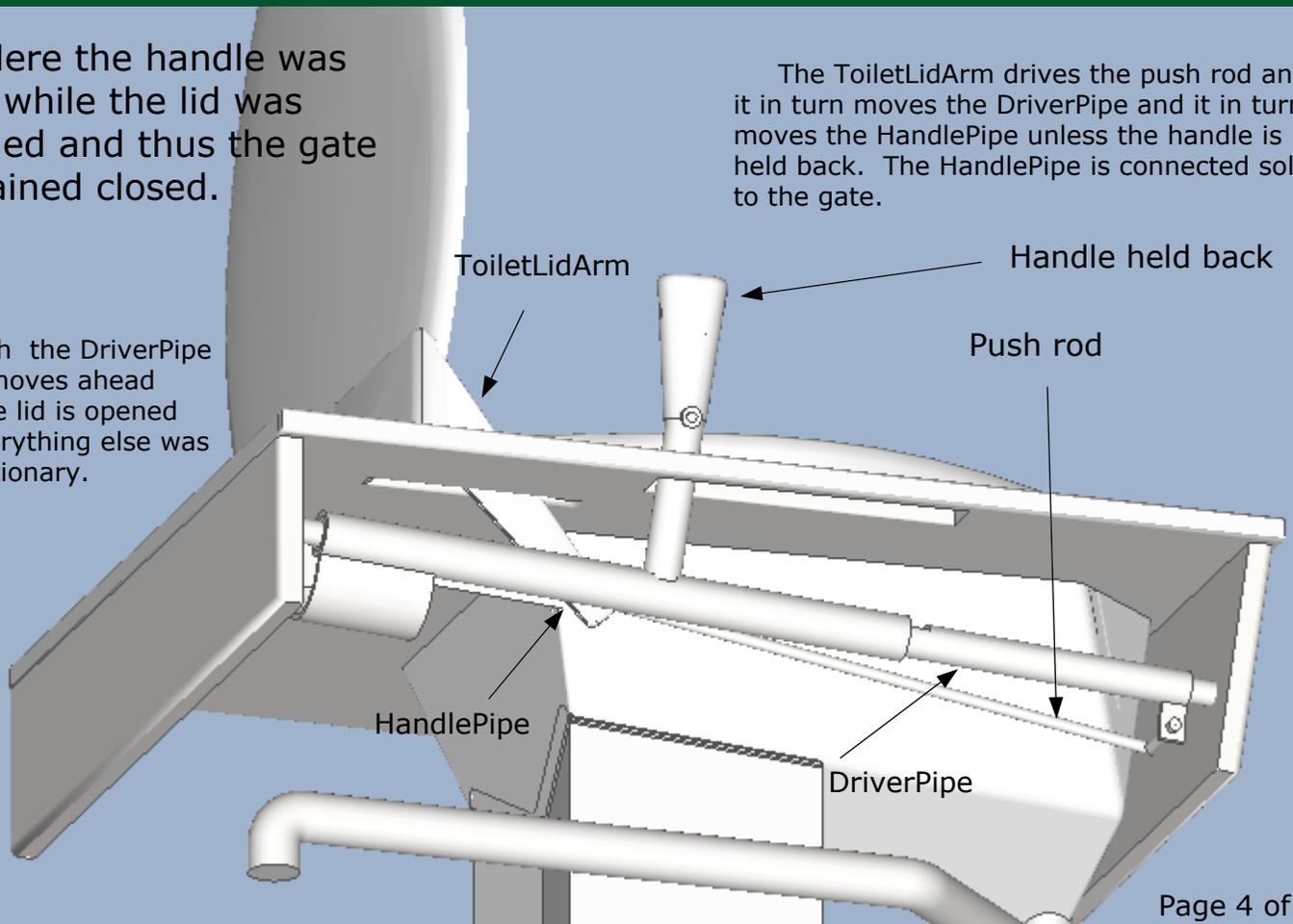
ToiletLidArm

Handle held back

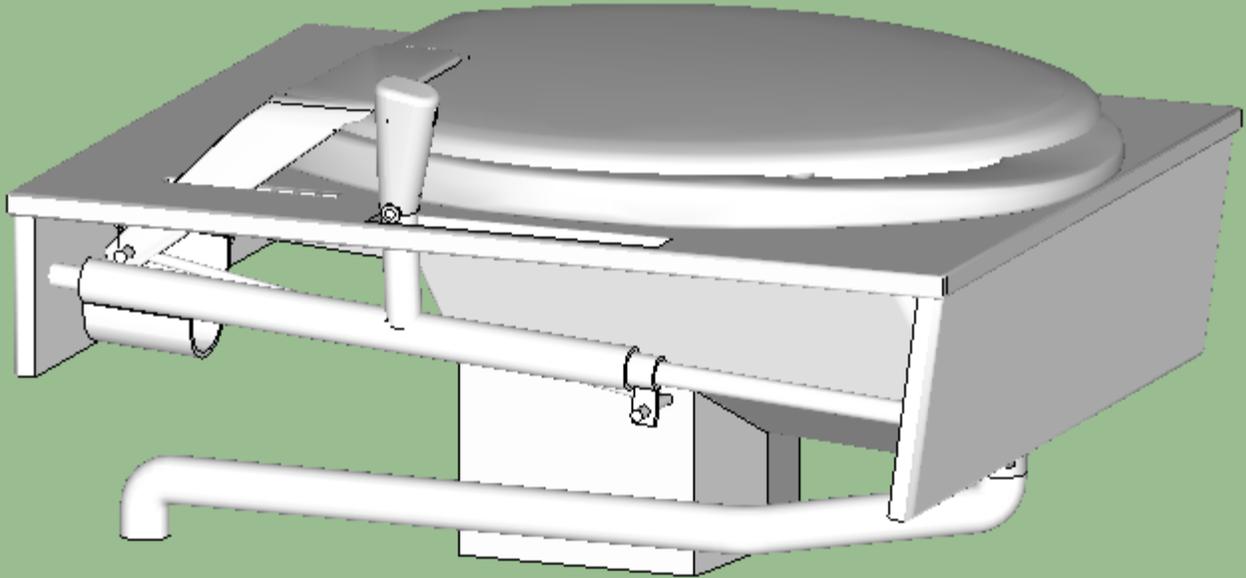
Push rod

HandlePipe

DriverPipe



Here the toilet lid was closed and the gate went closed with it. When the toilet lid is closed the gate must close with it and the gate cannot be opened when the toilet lid is closed. But you can still keep the gate closed when opening the lid!



For animations of the automated gate system click on this link!



[www.LiftUpThePoor.net/GA.html](http://www.LiftUpThePoor.net/GA.html)

