



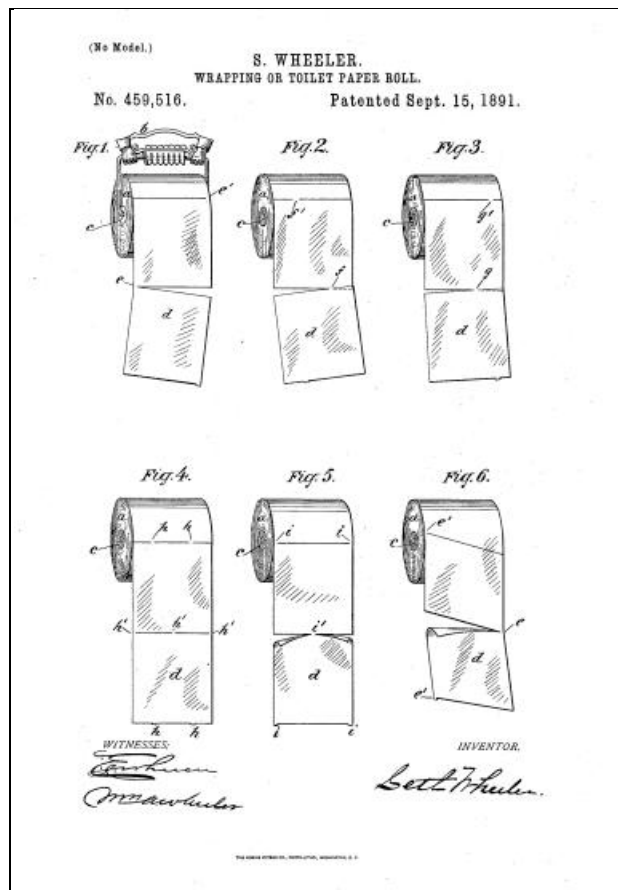
## “ROTO-ROOTER PIPELINE”

January 2016

Today, a few words from inside your bathroom.....

**Toilet paper.** One of life's great mysteries has been solved! We finally know which way the toilet paper roll should be positioned on the holder.

While I don't particularly have a preference, I've heard this debate going on for years. It even became a buzz on social media for a while as Facebook took a poll on the way people placed a roll of TP on the holder. For the most part, I'm just pleased that there is toilet paper available! It seems that in my busy household, we are commonly faced with brown cardboard instead of the white bathroom tissue.



Recently, the original, more than 100-year-old patent was dug up to officially settle the debate. The 1891 patent by Seth Wheeler (via Google Patents) showed his improvements on wrapping and toilet paper rolls to include perforation. The patent was originally issued in 1871, but the roll design was added in 1891.

“My invention consists of a roll of paper for wrapping or toilet use so constructed that the points of attachment and severance between the sheets will be alternately out of parallel lines running through the whole body of the sheets, so that a pull upon the free end of the web will not be transmitted in a direct line through a series of sheets, but will be diverted by the spaces opposite the connecting points of the sheet pulled upon, thereby producing a transverse strain upon the next line of connecting points sufficient to break them,” Wheeler wrote.

“In carrying out my invention the sheets of paper are only partially separated, having their points of attachment arranged in a novel [manner], whereby each sheet will easily separate from the series as it is drawn from the roll, there being no litter occasioned, and any waste of paper is thereby prevented.” He added in the patent that his roll invention can be used on the “simplest of holders.”

Now we can all rest easier! Secretly, I knew the right way....if toilet paper is installed backwards, then you can't fold it into a point to impress your guests.

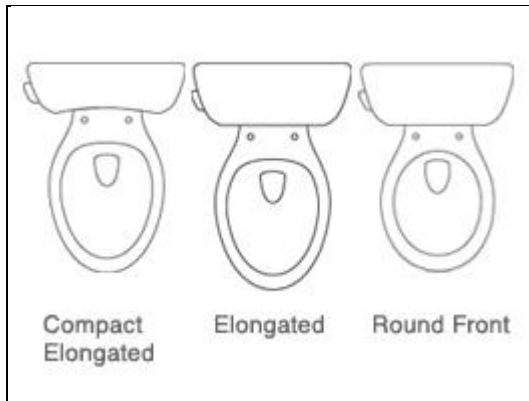
**Toilets.....**have you had thoughts of replacing an old, inefficient toilet? Let's talk toilets and what to consider other than just a color .....

### **Bowl Shape**

Compact elongated one-piece toilet designs enable an elongated bowl to fit in a round-front space.

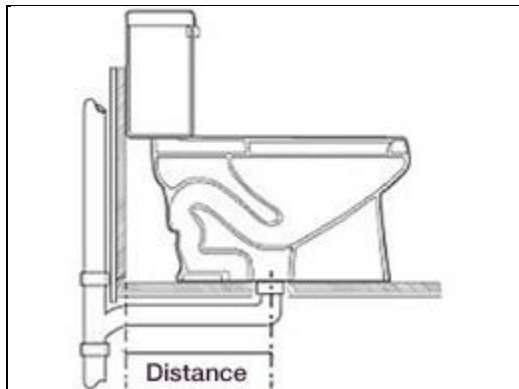
Elongated bowls provide added room and comfort for adults. These will have the abbreviation "EB."

Round-front bowls require less space and are good for small children. These are also referred to as "plain bowls" with the abbreviation "PB."



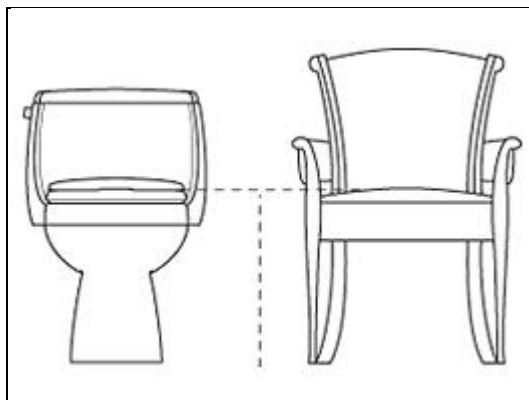
### **Rough-in Size**

The rough-in is the distance between the outlet pipe and the wall behind the toilet. Toilets are available in various sizes to fit different rough-ins, so choosing the right size is crucial. To find out the size of your toilet rough-in, simply measure from the wall (wall measurement is considered to the stud, so allow for wall thickness) behind the toilet to the bolts of your current toilet. Do not include baseboards in your measurements.



### **Comfort Height® Toilets**

Comfort Height toilets, approximately 2 inches taller than traditional toilets, make sitting down and standing up easier. Toilets that measure between 17 and 19 inches in height from the floor to the top of the seat are considered Comfort Height toilets, whereas traditional toilets measure below 17 inches in height. Many Comfort Height toilets are also ADA-compliant when installed per the applicable guidelines.



## Flushing Types

Toilet companies offer two main toilet flushing types: gravity and assisted. Gravity flushing comes in two types: siphonic, which uses the flow of water and the s-sh-shape of the trapway to create a siphoning action, and washdown, which uses the force of gravity to send all of the water through the rim and out. Assisted flushing moves water from the tank to the bowl and out of the trapway using electricity.



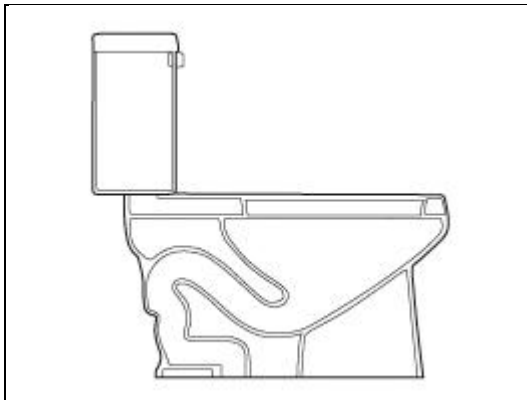
## Touchless Flush Technology

Touchless technology allows you to flush your toilet by just placing your hand over the sensor, minimizing the spread of germs around the bathroom. Some regular toilets can be converted to have a no-touch flushing toilet with the Touchless kit.



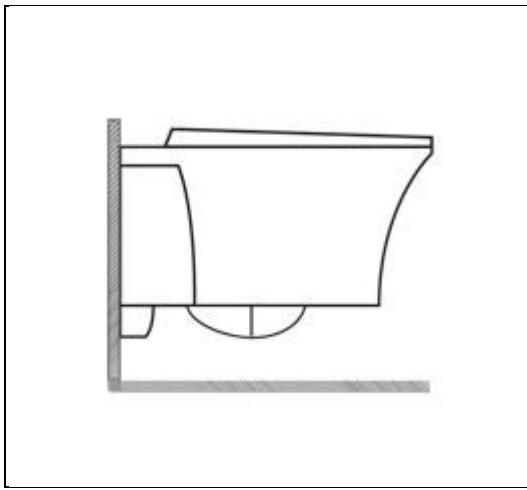
## Gallons Per Flush

From 1.6 to 0.6, water-saving toilets offering features a range of gallons-per-flush options to meet your household's needs. If you're searching for a high-efficiency toilet to save water and reduce monthly water bills, we offer water-saving toilets in both gravity-fed and assisted-flush models.



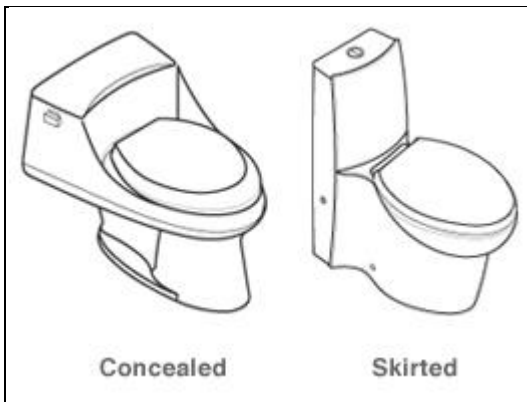
## Wall-hung Toilets

With their concealed tanks and minimal footprints, wall-hung toilets offer some distinct advantages over standard toilets. They're particularly suited to small bathrooms, since they save at least a foot of space compared to the longest floor-mount models. And because the mounting hardware is completely concealed, they have a sleek, seamless look and are easy to clean.



### Toilets with Concealed & Skirted Trapways

Most toilets have an exposed trapway that's often hard to clean because of its location behind the bowl. Toilets with a concealed trapway feature a smooth surface at the back of the toilet where the trapway would normally be visible. Skirted trapways go a step further and offer a clean line from front to back. Both concealed and skirted trapways simplify cleaning.



Jim Dahlke, Roto-Rooter Des Moines, Director of Sales & Marketing. Phone; 800-GET-ROTO -or- 515-278-5668.  
Address; 4005 S.E. Grimes Blvd, Grimes, IA. 50111 [jim@rotorooterdsm.com](mailto:jim@rotorooterdsm.com) [www.rotorooterdesmoines.com](http://www.rotorooterdesmoines.com)