

(No Model.)

F. ADEE.  
WATER CLOSET.

No. 516,174.

Patented Mar. 13, 1894.

Fig. 1.

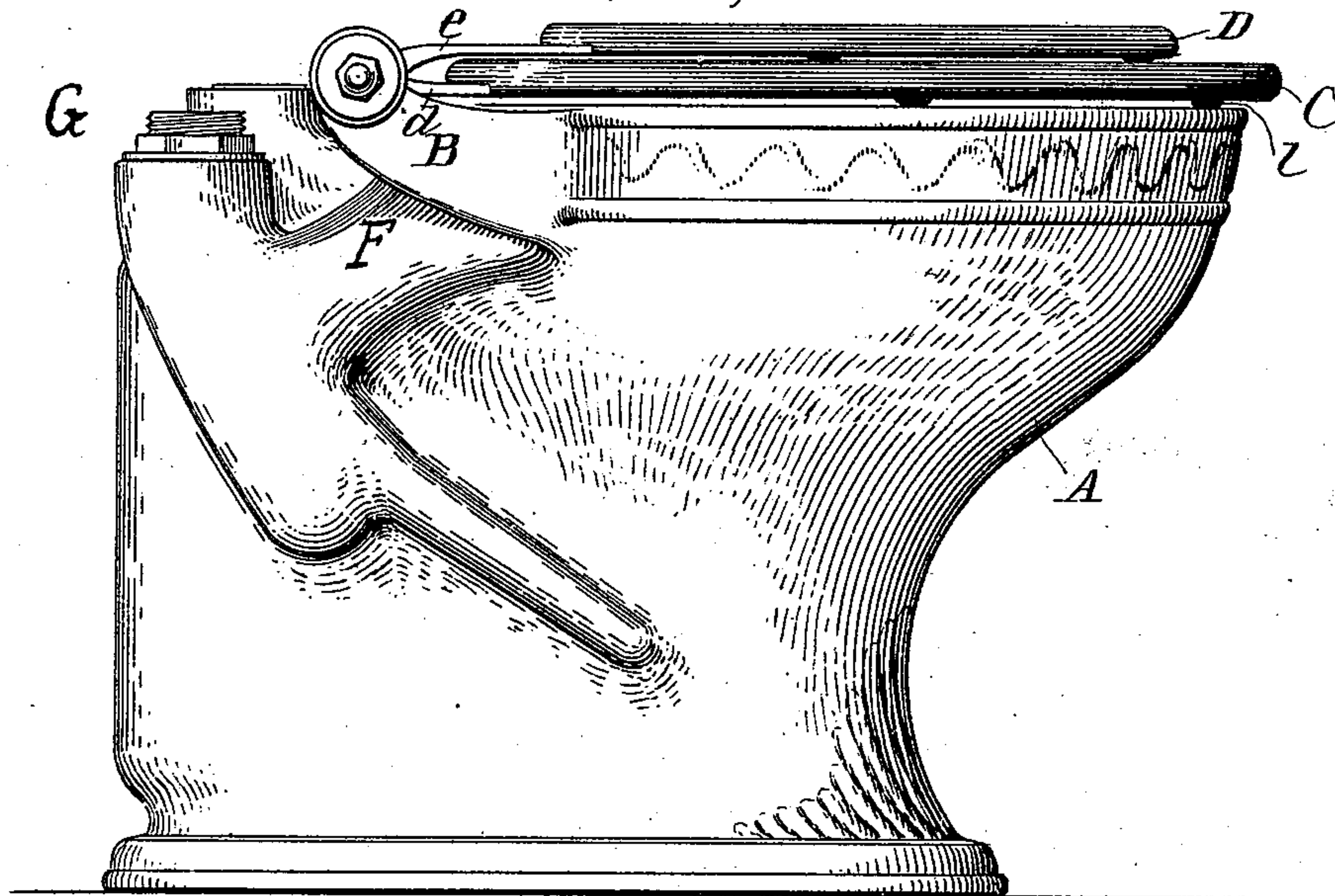
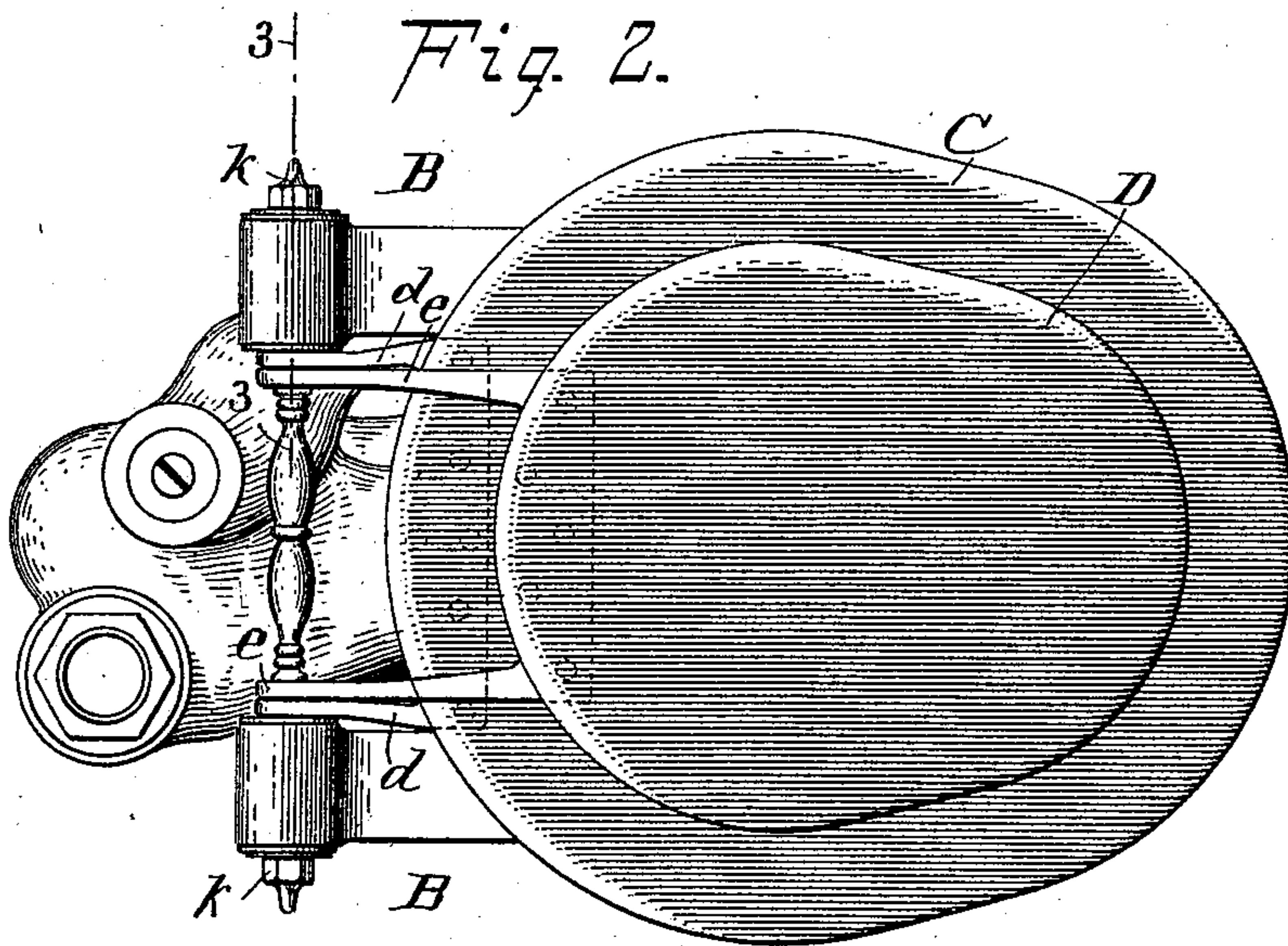


Fig. 2.



WITNESSES:

*Wm. B. Shepherd.*  
*Samuel Smith*

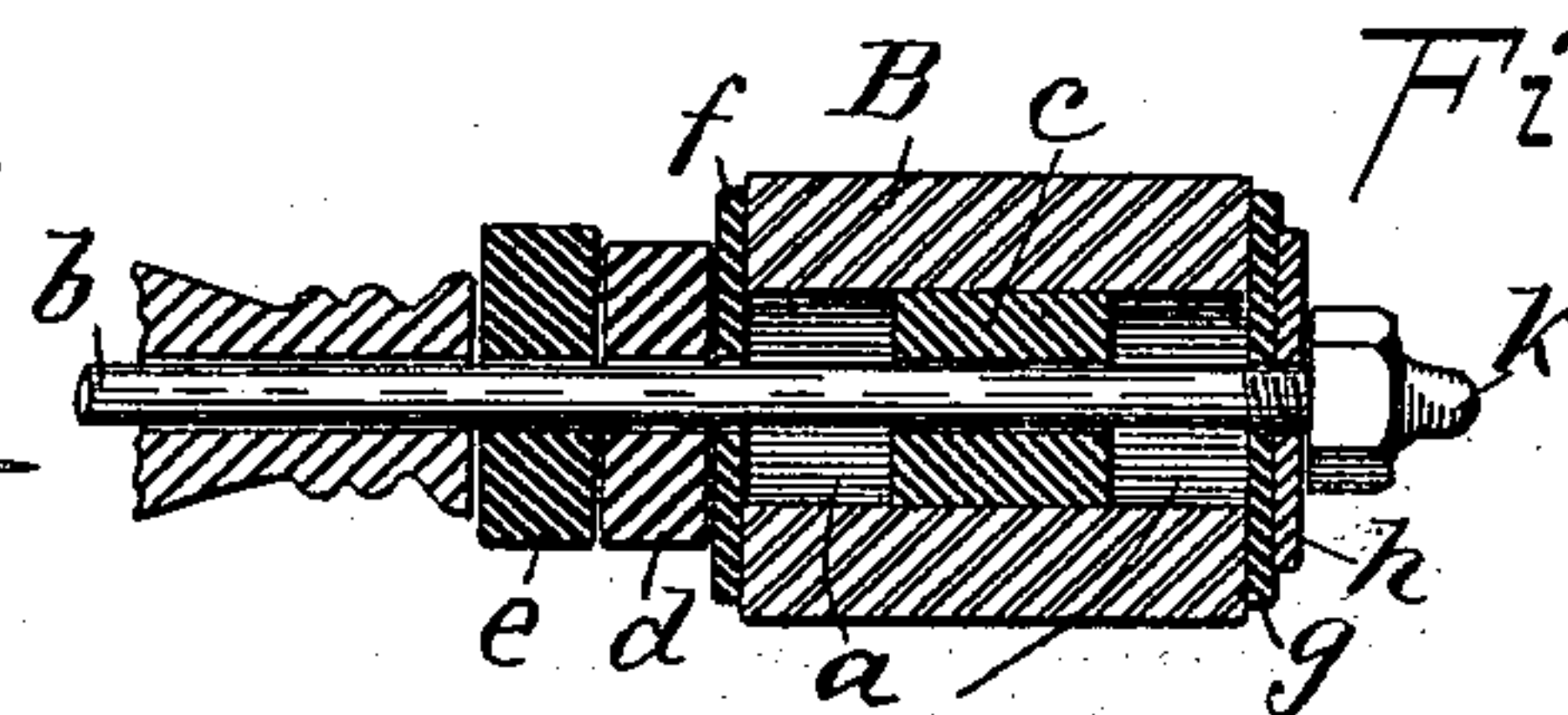


Fig. 3.

INVENTOR

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# UNITED STATES PATENT OFFICE.

FRED ADEE, OF BROOKLYN, NEW YORK.

## WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 516,174, dated March 13, 1894.

Application filed August 16, 1893. Serial No. 483,248. (No model.)

*To all whom it may concern:*

Be it known that I, FRED ADEE, residing at Brooklyn, Kings county, State of New York, have invented an Improvement in Water-Closets, of which the following is a specification.

My invention relates to water closets, and has for its object to obviate the necessity of pivoting the seat and the cover therefor to the wall or other external support adjacent to the water closet bowl. To that end my invention consists in the arrangement and construction hereinafter described and more particularly pointed out in the claims. I attain this object by means of the devices illustrated in the accompanying drawings in which—

Figure 1 is a general perspective of a water closet bowl showing my invention applied thereto. Fig. 2 is a top view thereof showing more particularly the pivoting of the seat and of the cover therefor. Fig. 3 is a sectional detail view broken away, taken on line 3—3 of Fig. 2.

In the drawings A designates the water closet bowl having a supply pipe G for flushing the bowl, and a pipe F leading from the supply pipe into the bowl, said bowl having mounted thereon on each side of pipes F and G extensions or brackets B B which are made integral with the bowl, and are pierced transversely, as at *a* for the passage of a suitable rod *b*. Crowded firmly within the perforations *a* of the extensions or brackets B B are annular or other suitable elastic cushions *c* through which passes the rod *b*. These cushions are usually made of rubber or other highly elastic material. The apertures therein are made slightly smaller than the rod *b* so that when the rod is forced therethrough it will be firmly held therein. It will thus be seen that the cushions will be firmly held in the perforations, and will, at the same time, firmly grasp the rod *b*, but on account of their elasticity will allow the rod to have a slight play in the perforations *a*. Upon this rod *b* and free to turn thereon are hung arms or brackets *d, e*, to which are secured respectively the seat C of the water closet and the cover D therefor. The rod *b* is further secured in the perforations of the brackets B B

by means of washers *f, g, h* and a nut *k* or any analogous and suitable fastening. As before stated, the seat C and its cover D are hung by brackets *d, e*, to the same pivot, so therefore when the seat and cover are raised together they will not rub upon each other or have any movement whatever upon each other on account of the fact that they have a common pivot.

It will be seen that the brackets or extensions B B, being made integral with the water closet bowl, are consequently fragile, so that if a seat pivoted directly to them be suddenly dropped, the brackets would be subjected to a sudden jar and strain which would tend to break them. But in my invention the elastic cushions will serve to take up the jar and strain and thus reduce to a minimum the danger of breaking the extensions or brackets. I have also found it convenient to support the forwardly extending part of the seat at some distance from the pivots as at *l*. This will tend, to an extent, to relieve the strain upon the brackets or extensions when the seat is dropped suddenly, as I have before mentioned.

What I claim, and desire to secure by Letters Patent, is—

1. In a water closet, the combination of a bowl, a supply pipe G therefor, a flushing pipe F leading from the supply pipe into the bowl, and brackets B formed integral with the bowl located on each side of the flushing pipe, and extending above the top thereof, perforations *a* in said brackets near the ends thereof, a rod seated in said perforations, and a seat pivoted to said rod, substantially as described and for the purposes set forth.

2. In a water closet bowl, the combination of a supply pipe G, a flushing pipe F leading from the supply pipe into the bowl, brackets B formed integral with the bowl, and located on each side of the flushing pipe and extending above the top of the bowl, transverse perforations *a* in said brackets, annular cushions *c* in said perforations, a rod *b* passing through the cushions and perforations, and a seat C, and cover D hinged on said rod, substantially as described.

3. In a water closet, the combination of a

bowl *a*, flushing pipe G, pipe F leading there-  
from and into the bowl, brackets B on each  
side of said pipes, made integral with the  
bowl but extraneous thereto, perforations *a*  
5 in alignment, and having the same horizontal  
axes, pierced transversely therethrough, an-  
nular elastic cushions *c* mounted in said per-  
forations, a rod *b* passing through said cush-  
ions and perforations entirely outside of the

bowl, and having pivoted thereto concentri- 10  
cally in relation to each other, the water-closet  
seat C and cover D therefor, provided at their  
forward ends with cushions C, substantially  
as described.

FRED ADEE.

Witnesses:

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HARRY M. TURK.