This invention relates to plumbing fixtures and particularly to means for preventing back siphonage of water from the plumbing fixture into a fresh water supply line.

In certain instances and particularly in hospital fixtures it is desirable to have an attachment thereto which may be used for flushing and washing separate receptacles such as bed pans or the like. For such purposes it is customary to supply a closet bowl or some fixture with a separate spray attachment whereby the receptacle to be cleansed may be held over the fixture and washed by means of a spray nozzle. It has been customary heretofore to provide a spray nozzle integral with the fixture or also to provide a spray nozzle which is separable from the fixture but which may be placed in the receptacle when not in use.

In many instances in the past where a spray hose and nozzle was used and care was not taken to place the nozzle above the water line in the bowl, or if the bowl became subsequently clogged, raising the water level therein, the hose nozzle became submerged in the soiled water of the bowl. This permitted drawing the soiled water into the supply line by suction action occurring past a leaky seat in the nozzle valve.

It is the purpose of this invention to provide a closet bowl or the like, which has a receptor for a spray nozzle as an integral part of the bowl and which is so located that the foregoing condition becomes an impossibility.

It is within the contemplation of this invention to place this receptor above any possible water level in the bowl and thus prevent the possibility of any back siphonage from the bowl through the spray nozzle and into the fresh water supply line.

A better understanding will be had of this invention in view of the following description given in connection with the following drawing in which:

Fig. 1 is a plan view of the closet bowl constructed in accordance with this invention, and

Fig. 2 is a side elevation partly in section of a closet bowl constructed in accordance with this invention.

Referring more particularly to the figures, there is shown for purposes of illustration a closet bowl 1 having a rim portion 2 formed in the shape of a conduit and apertured as at 3 to distribute fresh water around the sides of the bowl for cleansing the bowl. A water supply or connection 4 having the usual flush valve and shut-off valve therein enters the side of the bowl to supply the flushing water. The closet bowl is formed at its rear end with an upstanding oval neck 5 open at its top and defining a closed receptacle chamber 6, the bottom of which is closed by a wall 7 having one or more small apertures 8 therein leading into the bowl portion of the fixture. The wall 7 is positioned above the level of rim 2 in order that it may be above any possible water level within the closet bowl.

The customary spray hose 11 is shown and terminates in a spray nozzle 12, the latter being controlled by hand valves 16. The hose may be supplied from fresh water supply line 14 through valve 16.

In operation the spray hose may be used to cleanse a receptacle such as a bed pan and upon completion may be inserted in chamber 6 with the spray nozzle resting over aperture 8 which is small enough to prevent the spray from passing therethrough. The spray may therefore drip into a closet bowl and yet will be held out of contact with the water in the bowl regardless of the level of the water in the bowl, even though the bowl be filled to the point of overflowing the highest possible water level being indicated in Figure 2.

In the foregoing description a closet bowl with the integral receptor has been shown for purposes of illustration only, it being apparent that any other form of fixture may be provided with a receptor formed integrally therewith, the bottom of which is above any possible water level and be within the scope of this invention. It is also obvious that changes may be made in the details of construction of the illustrated form and other forms without departing from the spirit and
scope of this invention as defined in the appended claim:

I claim:

In combination, a plumbing fixture having
5 a bowl terminating in a rim, a fresh water
supply line connected to said bowl, the con-
nections thereto including a flush valve for
controlling the supply of water to said bowl,
an auxiliary hose connection from said fresh
water supply, said hose connection being of
sufficient length to extend into said bowl, a
portion of the upper edge of the bowl being
extended above the remainder thereof and
shaped to provide a receptor adapted to re-
ceive the end of said hose, said receptor hav-
ing an apertured bottom positioned above the
rim of said bowl and above any possible over-
flow level of the bowl, the aperture communi-
cating with said bowl to drain the receptacle
thereinto.

In witness of the foregoing I affix my sig-
nature.

LOUIS B. STINE.
CERTIFICATE OF CORRECTION.


LOUIS B. STINE.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: Page I, after line 29, insert the following paragraph:

This suction action may be caused for example, if there is a failure in the water supply or the supply itself is shut off and a person attempts to draw water from the supply system at a point below the clogged bowl. The water from the bowl may thus easily be siphoned back into the fresh water supply line. Obviously, such contamination, with the probability of contagion, is a condition to be much avoided;

and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 29th day of November, A. D. 1932.

M. J. Moore,
Acting Commissioner of Patents.

(Seal)