M. C. HATTON.

STOPPER FOR WASHBOWLS AND THE LIKE.

APPLICATION FILED JULY 17, 1919.

1,401,776. Patented Dec. 27, 1921.

Fig2

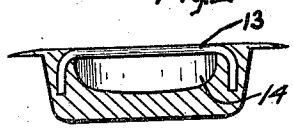


Fig1

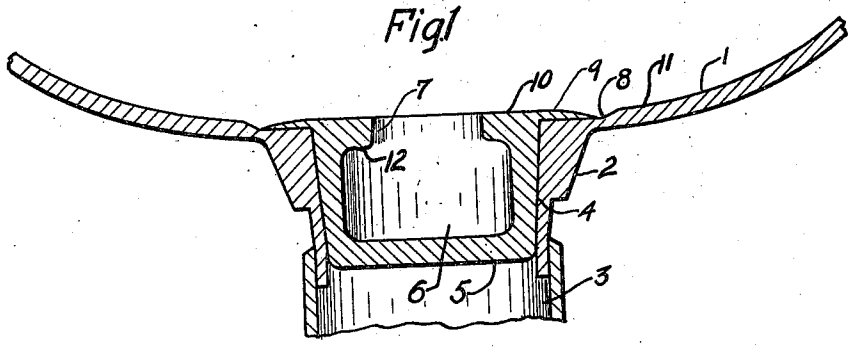
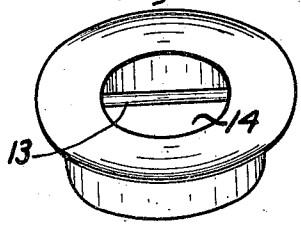


Fig3



INVENTOR.
Manson C. Hatton
BY Hazard & Miller
ATTORNEYS

UNITED STATES PATENT OFFICE.

MANSON C. HATTON, OF ONTARIO, CALIFORNIA.

STOPPER FOR WASHBOWLS AND THE LIKE.

1,401,776. Specification of Letters Patent. Patented Dec. 27, 1921.

Application filed July 17, 1919. Serial No. 311,641.

To all whom it may concern:

Be it known that I, MANSON C. HATTON, a citizen of the United States, residing at Ontario, in the county of San Bernardino and State of California, have invented new and useful Improvements in Stoppers for Washbowls and the like, of which the following is a specification.

My object is to make a stopper for washbowls and the like, and my invention consists of the novel features herein shown, described and claimed.

Figure 1 is a fragmentary diametrical sectional detail of a washbowl showing a stopper embodying the principles of my invention in use.

Fig. 2 is a diametrical sectional detail showing a modified construction.

Fig. 3 is a perspective of the stopper shown in Fig. 2.

The washbowl 1 has a downwardly extending nipple 2 leading to a drain outlet 3, and the seat 4 formed by the passage through the nipple 2 is tapered. The stopper 5 fits in the tapered seat 4 and has a central cavity 6 opening upwardly with an inwardly extending flange 7 around the top of the cavity.

The stopper 5 is formed of the usual hard elastic rubber and is adapted to fit tightly in the seat 4. Usually there is a recess 8 in the upper face of the bowl 1 around the seat 4. The stopper 5 has a beveled flange 9 extending into the recess 8 or fitting against the upper face of the bowl around the seat 4. If there is no recess 8 the flange 9 is tapered outwardly to an edge, so that the upper face 10 will be substantially flush with the upper face 11 of the bowl 1.

The cavity 6 has a rounded inner face 12 extending downwardly from the upper face 10, so that the tip of the index finger may be inserted into the cavity and engaged under the flange 7 to raise the stopper out of position.

In the modification shown in Figs. 2 and 3, a straight bar 13 is placed in position in casting the stopper so that the bar will extend straight across the center of the cavity 14, and the cavity 14 opens straight upwardly so that the bar 13 may be grasped between the thumb and finger to raise the stopper.

Thus I have produced a stopper for washbowls and the like adapted to have a smooth upper face substantially flush with the smooth upper face of a washbowl and adapted to be readily removed without the necessity of the usual eye or other handle.

Various changes may be made without departing from the spirit of my invention as claimed.

I claim:

1. A stopper for the outlet of wash bowls and the like having a conical outlet seat, comprising a conical rubber plug adapted to fit said seat, said plug having a cup-shaped chamber for the insertion of the finger, whereby the plug may be inserted in the seat or removed therefrom, and having a thin external flange at the top thereof, said external flange being adapted to fit the surface of the bowl around the outlet; the top of the stopper when seated being substantially flush with the bottom of the bowl.

2. A stopper for the outlet of wash bowls and the like having a conical outlet seat, comprising a conical rubber plug adapted to fit said seat, said plug having a cup-shaped chamber provided with means for the insertion of the plug in the seat, or the removal therefrom, said plug having a thin external flange at the top thereof, said external flange being adapted to fit the surface of the bowl around the outlet; the top of the stopper when seated being substantially flush with the bottom of the bowl.

3. A stopper for the outlet of wash bowls and the like having a conical outlet seat, comprising a conical rubber plug adapted to fit said seat, said plug having a cup-shaped chamber provided with means for the insertion of said plug in its seat, or removal therefrom, said plug having an external flange at the top thereof, said external flange having a flat under side and adapted to fit the surface of the bowl around the outlet; the top of the stopper when seated being substantially flush with the bottom of the bowl.

In testimony whereof I have signed my name to this specification.

M. C. HATTON.