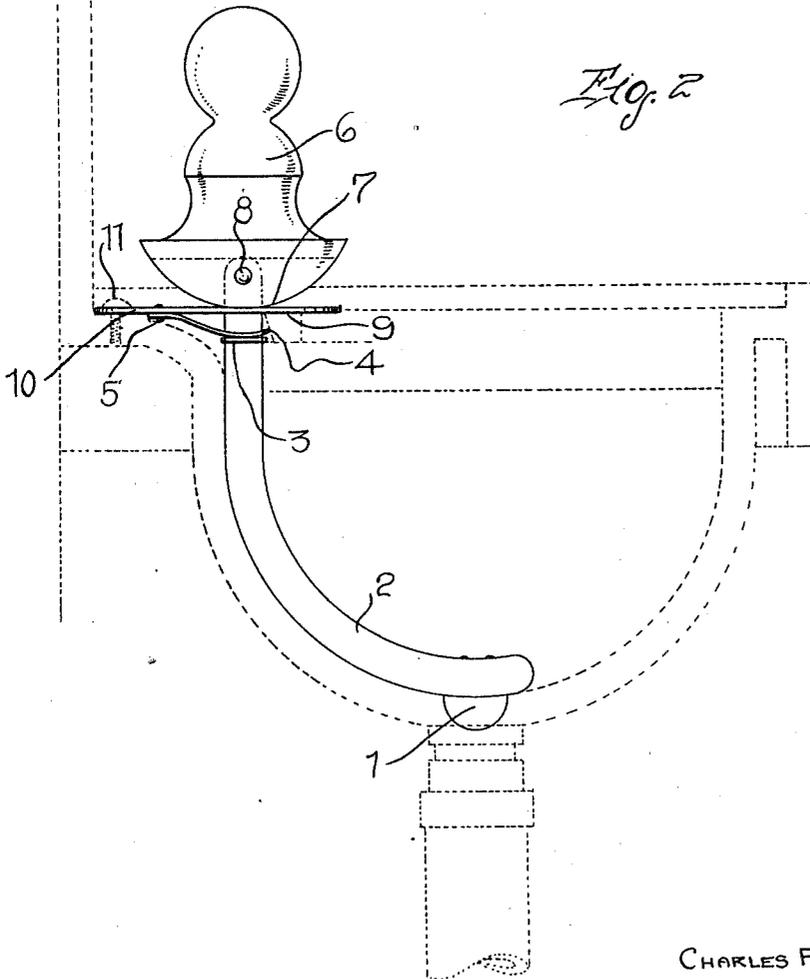
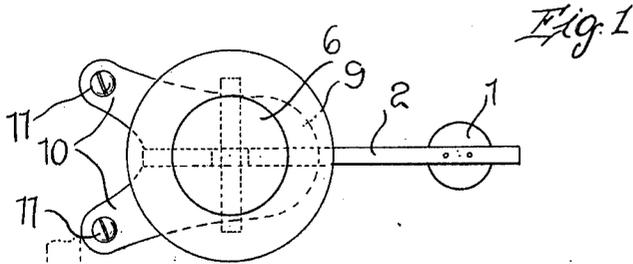


C. F. TUKEY.  
 STOPPER.  
 APPLICATION FILED SEPT. 15, 1913.

1,096,969.

Patented May 19, 1914.



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# UNITED STATES PATENT OFFICE.

CHARLES FRANKLIN TUKEY, OF SOUTH FOSTER, RHODE ISLAND.

## STOPPER.

1,096,969.

Specification of Letters Patent.

Patented May 19, 1914.

Application filed September 15, 1913. Serial No. 789,850.

*To all whom it may concern:*

Be it known that I, CHARLES F. TUKEY, a citizen of the United States, residing at South Foster, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Stoppers, of which the following is a specification, reference being had to the accompanying drawings.

This invention comprehends certain new and useful improvements in stoppers and relates more specifically to a stopper for wash bowls and the like.

An object of the invention is to provide a device of this character including means for normally retaining the stopper in position.

A further object is to provide a device of this character including a stopper carried by a curved arm with means for resiliently retaining the arm in its lowermost position and the stopper in the outlet opening.

A further object is to provide a device of this character and means for raising the arm and thereby withdrawing the stopper from the outlet opening.

A still further object is to provide a device of this character which will be of extremely simple construction and operation and which can readily be applied to the form of wash bowl now in general use.

With the above and other objects in view, the invention consists in the novel features of construction and the combination and arrangement of parts to be hereinafter more fully described, pointed out in the claim and shown in the accompanying drawing, in which

Figure 1 is a top plan view of the complete device; Fig. 2 is an elevational view of the same applied to a wash bowl of conventional form, said wash bowl being shown in dotted lines.

Referring more specifically to the drawings in which similar reference numerals designate corresponding parts, 1 designates the stopper which is secured to the under face of a curved arm 2 and at the lower end of the latter. The arm 2 is curved to conform to the curvature of the bowl and has its upper end projecting above the top of the bowl. The arm 2 has an annular collar 3 secured thereto near its upper end, upon the upper face of which is engaged the curved free end of the leaf spring 4, the opposite end of the leaf spring 4 being secured to the under face of the bracket shelf 9, as shown

at 5. It will be understood that the free end of the curved leaf spring 4 is provided with a suitable opening to accommodate the arm 2.

From the above it will be clearly understood that the leaf spring 4 serves to resiliently retain the arm 2 in its lowermost position with the stopper 1 engaged in the outlet opening of the bowl and also serves to guide the arm 2 during vertical movement of the same.

The arm 2 is raised by tilting the knob 6 forward or backward, said knob having a curved or semi-circular bottom face 7 resting upon the upper face of the bracket shelf 9 and being bifurcated to receive the upper extremity of the arm 2, said upper extremity being pivoted in the bifurcated lower portion of the knob 6 by means of the pivot pin 8 or the like. It will also be understood that the upper portion of the arm 2 is extended in a vertical direction and through a suitable opening in the upper edge or shelf portion of the bowl when said upper edge or shelf portion projects over the rear wall of said bowl.

The bracket shelf 9 has a suitable opening in its free end through which the upper end of the curved arm 2 projects after passing through the spring 4 while the opposite end of the bracket shelf 9 is bifurcated to form the legs 10 through which screws 11 or other suitable securing means may be engaged to secure the device to the upper face of the bowl, preferably at the rear side of said bowl, the first mentioned end of the bracket shelf 9 projecting over the bowl, as will be clearly understood by referring to Fig. 2. It will be further understood that the bracket shelf 9 may be in the form of a metallic plate or may be constructed of any suitable material.

From the foregoing it will be clearly apparent that I have provided an improved stopper actuating means for wash bowls and the like and it will be evident that I have employed the minimum number of parts of extremely simple formation and which may be readily replaced should they become worn or broken.

While I have shown the preferred embodiment of my invention, it will be obvious that minor changes in the details of construction and arrangements of parts may be resorted to within the scope of the appended claim, without departing from the

spirit of my invention or sacrificing any of the advantages of the same.

What I claim is:—

3 A device of the class described comprising  
the combination with a wash bowl having an  
outlet opening, of a bracket shelf secured  
upon the upper face of the bowl and pro-  
jecting over the same, of a curved arm en-  
gaged through said bracket shelf, said  
10 curved arm having a stopper at its lower  
end engaged in the outlet opening of the  
bowl, said curved arm being provided with  
an annular flange adjacent its upper end,  
means secured to the bracket shelf and en-

gaged against said annular flange for re- 15  
siliently retaining the curved arm in its  
lowermost position and the stopper in the  
bowl outlet opening, and means carried by  
said curved arm for raising the same to  
withdraw said stopper from said bowl out- 20  
let opening.

In testimony whereof I hereunto affix my  
signature in the presence of two witnesses.

CHARLES FRANKLIN TUKEY.

Witnesses:

C. G. WINSOR,  
M. E. FRANKLIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,  
Washington, D. C."