

J. C. McKIM.

STRAINER.

APPLICATION FILED OCT. 4, 1907.

948,900.

Patented Feb. 8, 1910.

Fig. 1.

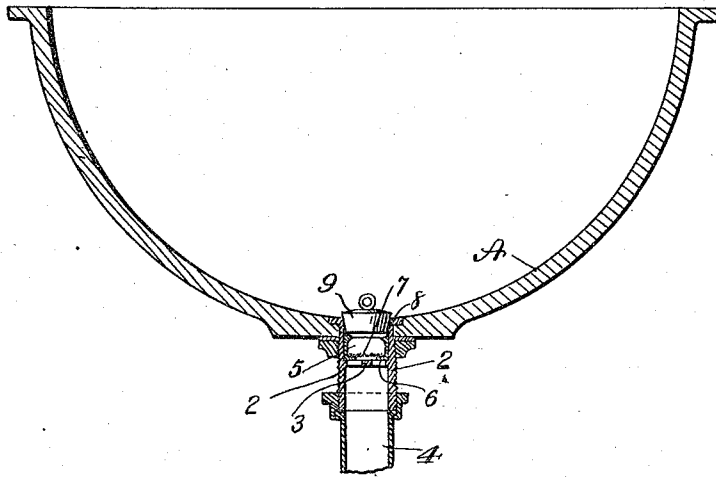
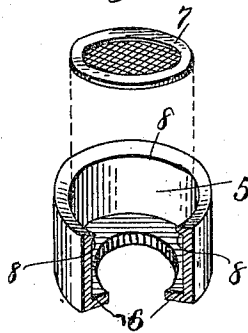


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES CORTLANDT McKIM, OF BEAVER FALLS, PENNSYLVANIA.

STRAINER.

948,900.

Specification of Letters Patent.

Patented Feb. 8, 1910.

Application filed October 4, 1907. Serial No. 395,851.

To all whom it may concern:

Be it known that I, JAMES CORTLANDT McKim, a citizen of the United States, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Strainers, of which the following is a specification.

My invention relates to an improvement in strainers for wash basins, bath tubs, and the like, and the object is to provide means whereby the strainer can be removed when the outlet opening has become clogged.

Another object is in the fact that the receptacle holding the strainer can be removed from the waste pipe, or inserted in the waste pipe, without interfering with the plug, or stopper in the outlet to hold the water in the basin, or whatnot.

The invention relates to certain other novel features of construction, and combination of parts, which will be hereinafter described and pointed out in the claim.

In the accompanying drawings, Figure 1, is a view in vertical section showing the invention applied to a wash basin, and Fig. 2 is an enlarged perspective view with parts broken away.

A represents a portion of a stationary wash basin and 2 is the outlet pipe which is provided with the usual small straining wires 3, 3. Connected to the outlet pipe is the usual waste pipe 4.

The sleeve 5 is adapted to be received in the outlet pipe 2 and rests preferably upon the strainer wires 3, 3. This sleeve has a flange 6 in the base thereof on which is seated a sieve 7 composed of a fine wire. From the top of the flange the sleeve is preferably ground out as at 8 up to within a short distance of the top of the sleeve whereby to form a gripping means for the finger or fingers to withdraw the sleeve from the outlet pipe when the sieve has become clogged with soap or other sediment which prevents the water from passing through to the outlet pipe. The top of the sleeve is shown beveled but this is not necessary as it can be made perfectly flat and if desired can

form a seat for the stopper 9 which usually fits in the outlet pipe.

It will be readily seen that I can insert the sleeve in any of the outlet pipes for stationary wash-stands, bath tubs, and the like as the tub and wash-stand outlets are made of a uniform size, but it can be readily seen that I can make my sleeve to suit the different requirements without additional cost. Again the parts are those which can be obtained from the market and can be readily made into the desired parts at a small cost.

When the sleeve is placed in the outlet pipe and the sieve is seated on the flange the sieve will be on a level with the beginning of the ground out portion 8. Of course if the sleeve is made in large sizes, perhaps it would not be necessary to have the ground portion extend from the top of the flange to or about the top of the sleeve as all that is necessary is to conform this ground out portion so that a finger hold can be obtained so that the strainer can be removed from the outlet pipe.

It is evident that slight changes might be made in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not desire to limit myself to the exact construction herein set forth, but:

Having fully described my invention and what I desire to secure by Letters Patent is:

A strainer for wash basins, comprising an outlet pipe connected to the basin, straining wires formed in the outlet pipe, a sleeve received in the outlet pipe below the seat for the stopper supported on the straining wires, a flange formed in the sleeve, a sieve seated on the flange within the sleeve and gripping means formed on the interior of the sleeve at the upper end thereof for removing it from the pipe.

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

JAMES CORTLANDT McKIM.

Witnesses:

WM. G. F. HILBERG,
ADOLF C. BIRNER.