This invention relates to lavatories or wash-basin assemblies.

Its chief object is to provide an assembly adapted to avoid excessive splashing of water flowing from the faucet into the basin at the start of the filling of the basin and until enough water has accumulated in the basin to serve the purpose.

Further objects are to provide simple, economical and self-cleaning splash-preventing means.

Of the accompanying drawing:

Fig. 1 is a perspective view of a wash-basin assembly embodying our invention in its preferred form.

Fig. 2 is a vertical middle section of the lower portion of the basin and associated parts.

Referring to the drawing, the assembly comprises a basin 10 formed with the usual overflow apertures 11, 11 leading to the usual overflow passage 12, and with a waste aperture 13 in which is seated a cup-shaped valve-seat member 14 which is held in place by a valve-guiding and waste-conducting sleeve 15 which is threaded into the lower end of the valve-seat member 14 and is sealed to the bottom face of the basin by a rubber-and-metal washer 16 and a clamping nut 17.

The valve member, 18, can be of the pop-up type, as shown, and the means for raising and lowering it are of known construction.

My invention resides in placing the waste aperture 13, and cup-shaped valve-seat member 14, in such position as to receive, preferably at their centers, the incoming stream of water from the faucet, 19, space being provided in the member 14 for the raising and lowering of the valve 18, and in mounting in the mouth of the member 14 a screen 20, preferably of woven wire mesh, adapted to break up the stream of water without causing it to splash excessively. A large part of the water that first reaches it passes through its meshes into the cup-shaped member 14, and even after the latter is filled, the screen receives the water with less splashing than is caused by the stream hitting an imperforate surface.

This arrangement has proven to be highly effective for preventing objectionable splashing; it is of simple and economical construction; it is self-cleaning; and it does not interfere with the employment of the usual types of waste-valve assemblies, such as that of the pop-up valve here shown. The screen can be removably mounted in the cup-shaped member 14 to provide easy access to the interior of the latter for cleaning purposes or for lifting out of the valve member 18.

Also, upon loosening of the clamping nut 17 and withdrawal of the operating rod, 21, the cup-shaped valve-seat member 14 can readily be unscrewed from the sleeve 15 and it and the valve member 18 removed from the basin, as for cleaning or for the substitution of a new part.

Various modifications are possible within the scope of the invention as defined in the appended claim.

We claim:

A wash-basin assembly comprising a faucet, a basin formed with a waste outlet in the path of water flowing from the faucet, a cup-shaped valve-seat member mounted in the outlet, a valve associated with the valve-seat member, and a screen formed with a multiplicity of apertures and mounted over the mouth of the cup-shaped member, the interior of the cup-shaped member being of such dimensions as to permit the valve to move therein in the opening and closing of the valve, the apertures of the screen being so numerous and small and defined by such narrow members that the stream of water passes through the screen substantially without splashing from the faces of said members.

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