Sept. 13, 1932. H. ASHFIELD 1,876,828

BATHROOM ACCESSORY

Filed June 19, 1931

Fig. 1.

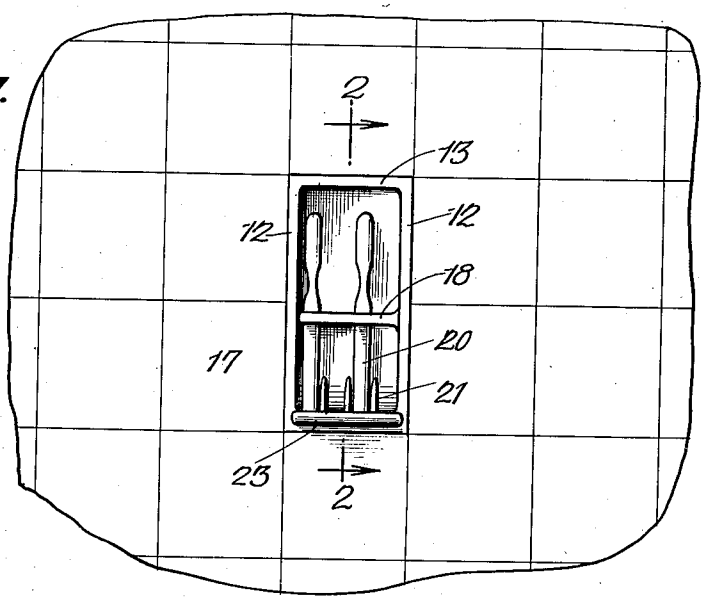


Fig. 2.

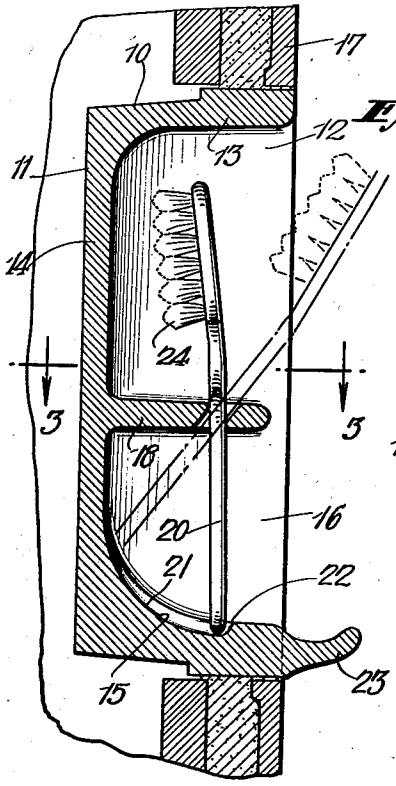


Fig. 3.

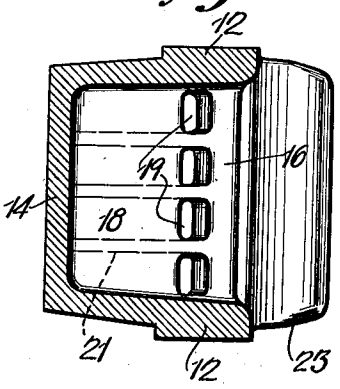
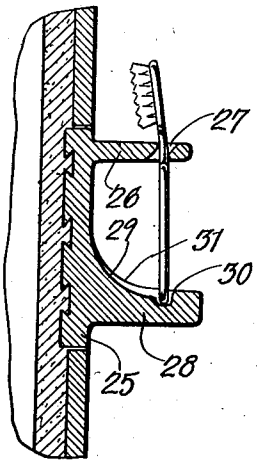


Fig. 4.



Inventor

HERBERT ASHFIELD.

By Clarence A. O'Brien

Attorney

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UNITED STATES PATENT OFFICE

HERBERT ASHFIELD, OF BROOKLYN, NEW YORK

BATHROOM ACCESSORY

Application filed June 19, 1931. Serial No. 545,609.

This invention relates to improvements in bath room accessories, and has particular reference to a tooth brush holder.

The primary object of the invention resides in a recessed wall fixture for supporting tooth brushes in a sanitary manner by preventing contact of the bristles of the brushes with the walls of the supporting fixture. Furthermore, the brushes are housed within the recessed fixture which tends to protect or shield the same against the accumulation of dust and dirt.

Another object of the invention is to provide a built in tooth brush fixture into which the handles of the brushes may be inserted at an angle and whereupon the tooth brushes will be guided to and supported in a vertical position for ready removal when desired.

A further object of the invention is the provision of a built in tooth brush holder which is simple of construction, inexpensive of manufacture, and attractive in appearance when set in a tile wall structure.

With these and other objects in view, the invention resides in the certain novel construction, combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claims, and are illustrated in the accompanying drawing, in which:—

Figure 1 is a front elevational view of my improved tooth brush holder set in a tile wall structure.

Figure 2 is an enlarged vertical longitudinal sectional view on the line 2—2 of Figure 1.

Figure 3 is a horizontal sectional view on the line 3—3 of Figure 2 with the brushes removed from the holder.

Figure 4 is a vertical longitudinal sectional view of a slightly modified form of my invention.

Referring to the drawing by reference characters, the numeral 10 designates my built in bath room fixture in its entirety which includes the recessed body 11 having vertical side walls 12, a top wall 13, a rear wall 14 and a downwardly and outwardly curved bottom wall 15, while the front end of the body is open as at 16.

The entire fixture may be cast or molded in a single piece, and may be made of china, porcelain, or the like, so as to be used in connection with tile wall surfaces. The recessed body may be of such a size that the tile may be fitted therearound without necessitating the cutting of the tile, and as shown in Figure 1 of the drawing, wherein square tiles 17 constitute the outer wall structure of a bath room.

Extending forwardly from the rear wall 14 of the body toward the open front side 16, is a partition wall or rack 18, the same extending transversely between the side walls 12. Formed in the rack or partition wall 18 adjacent the front open side 16 of the fixture, are inwardly and downwardly extending slots 19, the angularity of which will cause the handle end 20 of a tooth brush to strike against the curved bottom wall 15 at a point adjacent the rear wall 11 when the handle is inserted through any of the said slots. This is clearly shown in dotted lines in Figure 2 of the drawing. Formed on the bottom wall 15 are equidistantly spaced ribs 21, which merge into the back wall 14 and extend forwardly to stop shoulders 22 provided in the bottom wall adjacent the open front side 16. These ribs 21 serve to guide the handle end of the brushes to a position against the abutment shoulders 22 so that the brushes are supported in a substantially vertical position as shown in full lines in Figure 2 after the insertion of the handle through one of the slots 19. The slots 19 are of sufficient width to permit the handles 20 of the brushes to swing to a vertical position, or from the angular position shown in dotted lines in Figure 2 to the position shown in full lines in the same figure.

Extending outwardly from the bottom wall 15 is a lip or trough 23 on which a tube of tooth paste may be supported for ready use when desired.

Assume that it is desired to insert a tooth brush into the built-in fixture, whereupon the handle end 20 is inserted through one of the slots 19. The brush may be dropped

through the slot whereupon the weight of the handle will tend to swing the bristle end 24 to a position within the recessed body. The handle end of the brush slides down the forwardly curved bottom wall 21 until it strikes the shoulder 22 whereupon the brush assumes a substantially vertical position with the bristle end 24 in spaced relation to the walls of the recessed body and above the plane of the rack or partition 18. By this arrangement the bristles of the brush are prevented from coming in contact with any part of the fixture and by reason of the fact that the slots 19 are substantially elongated and of a size to receive the average thickness of brush handle, the handles are prevented from turning within the slots 19, thus the bristles of one brush are prevented from any possible contact with the bristles of the next adjacent brush. Furthermore the ribs 21 serve to prevent turning of the handles of the brush when the brushes are in vertical position and during the movements of the handles from the inserted inclined position to the vertical position. To remove a brush from the fixture, it is only necessary for the owner to reach in and grasp the bristle end of the brush, pulling the same forward to the angular position shown in Figure 2, whereupon the brush is free to be removed.

The fixture may be constructed with rounded corners within the recessed body in order that the same may be thoroughly washed and kept in a sanitary condition at all times.

In Figure 4 of the drawing I have illustrated a slightly modified form wherein the same principle as set forth in the preferred form is embodied, but the said principle is in the form of a fixture which extends from the wall structure. In this form the numeral 25 designates the body of the fixture which is in the form of a tile, and from which a rack 26 extends, the same being provided with one or more inwardly extending slots 27. Extending outwardly from the body 25 beneath the rack 26, is a platform 28 provided with an upper rounded surface 29 and with an abutment or stop shoulder 30. Ribs 31 which are the equivalent to the ribs 21 of the preferred form extend from the outer face of the body 25 to the shoulder 30, whereby the handle end of the tooth brush when inserted through the slot 27 will be guided to a substantially vertical position. The use of the device shown in the modified form is substantially identical to that described in connection with the preferred form, and a further description of the same is not deemed necessary.

While I have shown and described what I deem to be the most desirable embodiment of my invention, I wish it to be understood that various changes in construction, may be resorted to as come within the scope of the appended claims.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

1. A built-in tooth brush holder comprising a recessed body having an open front and outwardly curved bottom wall, a partition within said body having spaced inwardly inclined slots therein whereby the handle ends of tooth brushes may be inserted to cause the said ends to strike against the forwardly curved bottom wall whereupon they will automatically slide to a substantially vertical position, and stop shoulders provided on said bottom wall with which the handle ends are adapted to abut when the brushes have assumed a substantially vertical position.

2. A built-in tooth brush holder comprising a recessed body having an open front and outwardly curved bottom wall, a partition with said body having spaced inwardly inclined slots therein whereby the handle ends of tooth brushes may be inserted to cause the said ends to strike against the forwardly curved bottom wall whereupon they will automatically slide to a substantially vertical position, stop shoulders provided on said bottom wall against which the handle ends are adapted to abut when the brushes have assumed a substantially vertical position, and spaced ribs provided on the curved bottom wall for guiding the tooth brushes to a substantially vertical position.

3. A built-in tooth brush holder comprising a body provided with a horizontal supporting wall, a horizontal ledge extending from said body above and in spaced relation to said supporting wall and having an angularly disposed slot therein, a curved wall joining said supporting wall and said ledge, and a stop shoulder on said supporting wall.

In testimony whereof I affix my signature.

HERBERT ASHFIELD.