July 3, 1923.

1,460,995

W. W. WELPLEY

TOOTHBRUSH HOLDER

Filed Feb. 9, 1922

Fig. 1.

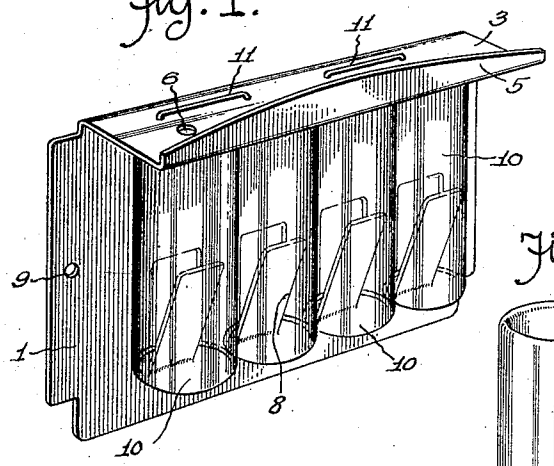


Fig. 6.

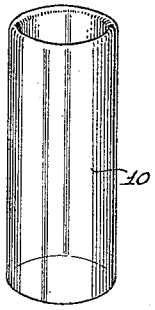


Fig. 2.

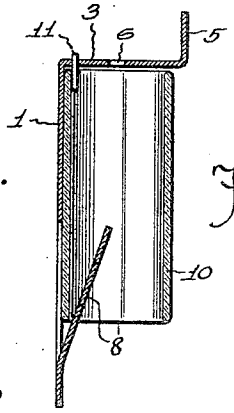
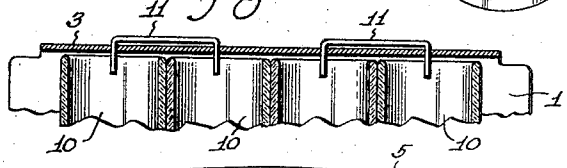


Fig. 4.



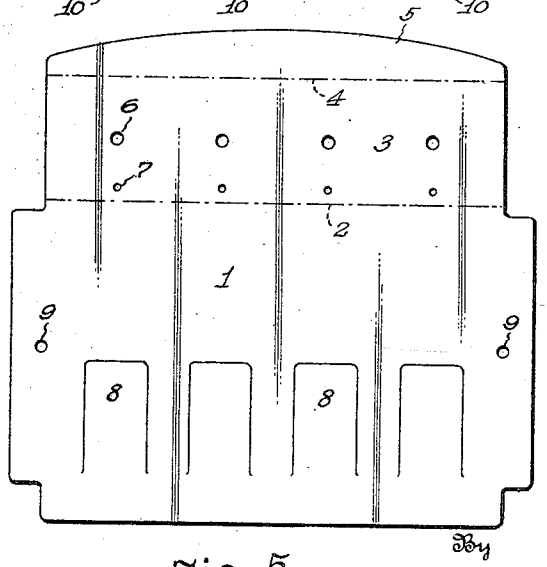


Fig. 5.

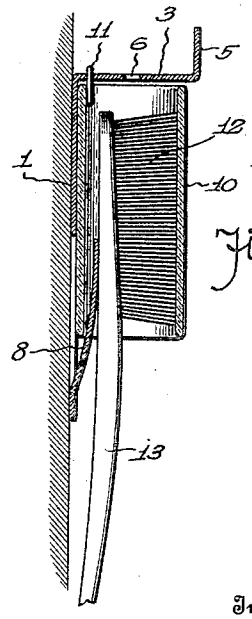


Fig. 3.

Inventor

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By

Attorneys

Patented July 3, 1923. 1,460,995

UNITED STATES PATENT OFFICE.

WALTER W. WELPLEY, OF DETROIT, MICHIGAN, ASSIGNOR ON ONE-HALF TO GRANT L. COOK, OF DETROIT, MICHIGAN.

TOOTHBRUSH HOLDER.

Application filed February 9, 1922. Serial No. 535,286.

To all whom it may concern:

Be it known that I, WALTER W. WELPLEY, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Tooth-brush Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a tooth brush holder and has special reference to that class of devices affording a multiplicity of compartments in which tooth brushes or the like may be placed and maintained in a sanitary condition.

The primary object of my invention is to provide a sanitary multiple tooth brush holder consisting of comparatively few parts, one of which is in the form of a blank bent to provide a shelf and combined container holders and tooth brush clamping means, said means being designed to frictionally clamp tooth brushes in containers so that the tooth brushes may be easily removed from the containers and as readily placed therein. Other parts of the device are the containers which are in the form of open end tubes or cylindrical shells having the upper ends thereof closed by the shelf of the device, and tooth brushes or the like can be readily inserted in the lower open ends of said tubes.

A further object of my invention is to provide a durable and inexpensive tooth brush holder consisting of a back piece that may be made of pyralin, celluloid or a material that will present a neat and attractive appearance, and supported by the back piece are tubular containers that may be made of glass; the device in its entirety being of a sanitary nature and highly efficient as a bathroom accessory.

The above and other objects are attained by a construction that will be hereinafter specifically described and then claimed, and reference will now be had to the drawing, wherein—

Figure 1 is a perspective view of the tooth brush holding device;

Fig. 2 is a vertical cross sectional view of the same;

Fig. 3 is a similar view showing a portion of the tooth brush held by the device;

Fig. 4 is a longitudinal sectional view of a portion of the device;

Fig. 5 is a plan of a blank back piece of the device, and

Fig. 6 is a perspective view of a detached tubular container of the device.

In the drawing, the reference numeral 1 denotes a back piece made from a blank of bendable or malleable material and the upper portion of the blank is adapted to be bent on a dot and dash line 2 to provide a longitudinal shelf 3 at a right angle to the front face of the back piece 1, and the blank is further bent, on the dot and dash line 4, to provide a ledge or front wall 5 for the shelf 3. The shelf is provided with a plurality of air vents 6 and a plurality of apertures 7, the vents being located in a row longitudinally of the shelf and the apertures 7 similarly arranged in proximity to the upper edge of the back piece 1.

The lower portion of the back piece 1 is cut and stamped to provide a plurality of outstruck tongues or clamping members 8 which extend upwardly and outwardly from the lower portion of the back piece 1, and the ends of the back piece have apertures 9 so that tacks or other fastening means may be employed for securing the back piece to a wall or other support.

The reference numeral 10 denotes tubular containers, preferably made of glass or other transparent material and the lower open ends of said containers are adapted to be placed over the outstruck tongues 8 and wedged between said tongues and the back piece, while the upper open ends of said containers are snapped under the shelf 3 to be closed thereby, said shelf cooperating with the tongues 8 in preventing displacement of the tubular containers which are vertically disposed in parallelism against the front face of the back piece 1.

In addition to the tongues 8 and the shelf 3 for holding the containers in place are staples or retaining members 11, substantially inverted U-shape, adapted to have the ends thereof inserted in the apertures 7 with the depending ends of said retaining members against the rear walls of the containers 10, as best shown in Figs. 2 and 4, thus preventing the upper ends of the containers 10 from swinging

outwardly from under the shelf 3. The air vents 6 will be substantially within the axes of the tubular container and insure proper ventilation therein.

The bristle end 12 of the tooth brush 13 can be inserted in one of the containers with the back of the brush against the outstruck tongue 8 within the container, such insertion of the brush placing the resilient tongue under tension so that pressure of the tongue against the back of the brush will cause the bristles to bind against the front wall of the container; the brush being clamped in the container so that it cannot accidentally fall out of the same, yet permit of easy withdrawal of the brush from the container.

It is thought that the utility of my device will be apparent without further description, and while in the drawing there is illustrated a preferred embodiment of my invention, it is to be understood that the structural elements are susceptible to such variations and modifications as fall within the scope of the appended claims.

What I claim is:

1. In a tooth brush holder wherein a brush is inserted in a bottom open end of the holder, a back piece bent to provide a shelf and cut and stamped to provide outstruck resilient members, and tubular containers having open ends and adapted to be placed on said resilient members with the upper ends of said containers closed by the shelf of said back piece, said resilient members adapted to hold brushes in said containers against front walls thereof.

2. A tooth brush holder as in claim 1, and means mounted in the shelf of said back piece with its ends extending into adjacent tubular containers adapted to cooperate with said resilient members in retaining said tubular containers under said shelf.

3. A tooth brush holding device comprising a back piece adapted for attachment to a support, open end vertically disposed tubular containers against said back piece, a shelf closing the upper ends of said containers and provided with air vents for said containers, and resilient members struck out of said back piece and extending into the lower open ends of said containers for supporting said containers and adapted to retain the bristle ends of tooth brushes in said containers by pressing the brushes against the front walls of said containers.

4. A tooth brush holding device as in claim 3, and a staple carried by said shelf and having its ends extending into adjacent containers against rear walls thereof to hold said containers against said back piece.

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

WALTER W. WELPLEY.

Witnesses:
CHAS. W. STAUFFIGER,
KARL H. BUTLER.