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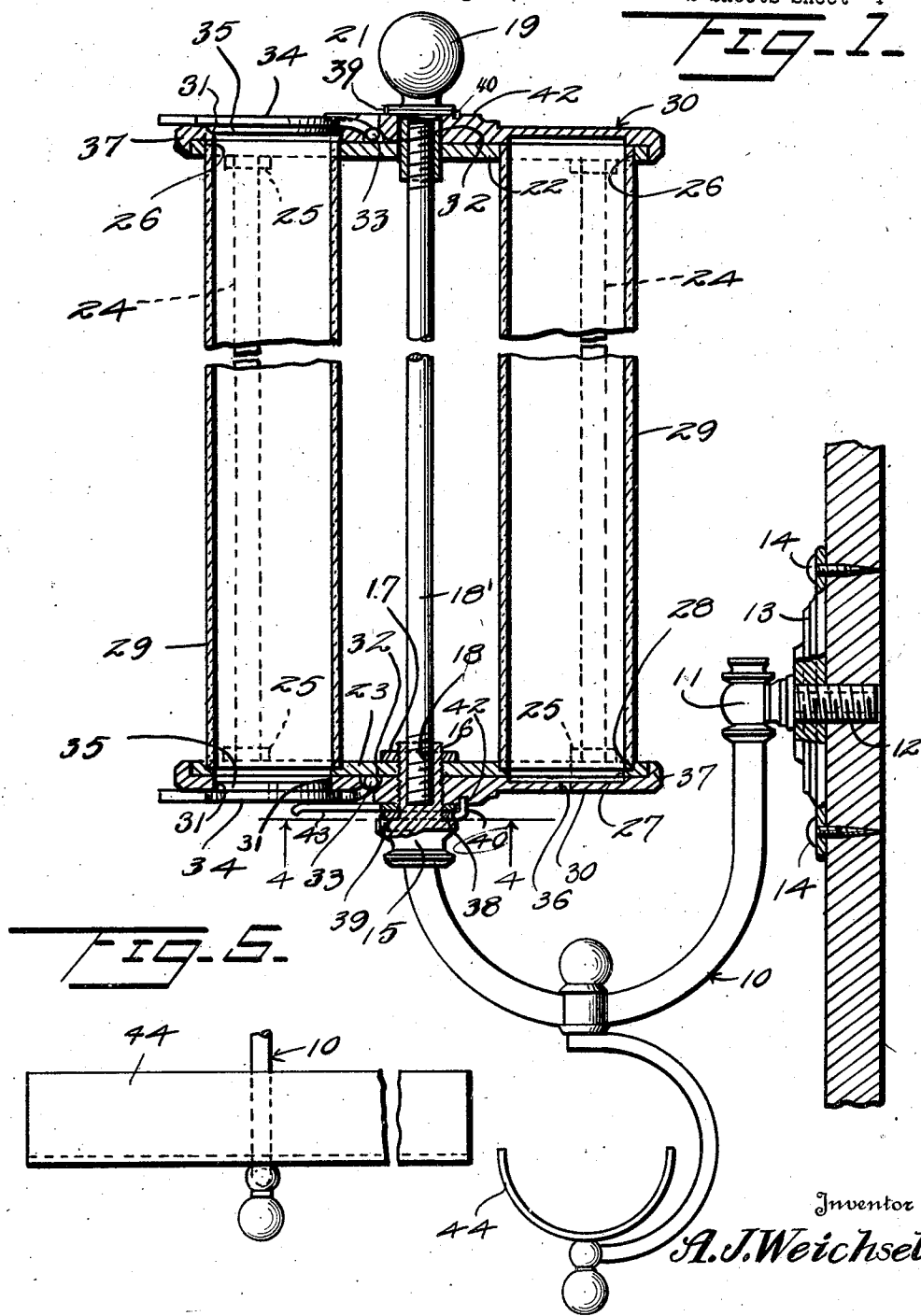
1,676,756

A. J. WEICHSEL

ROTARY CONTAINER

Filed Aug. 11, 1927

2 Sheets-Sheet 1



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July 10, 1928.

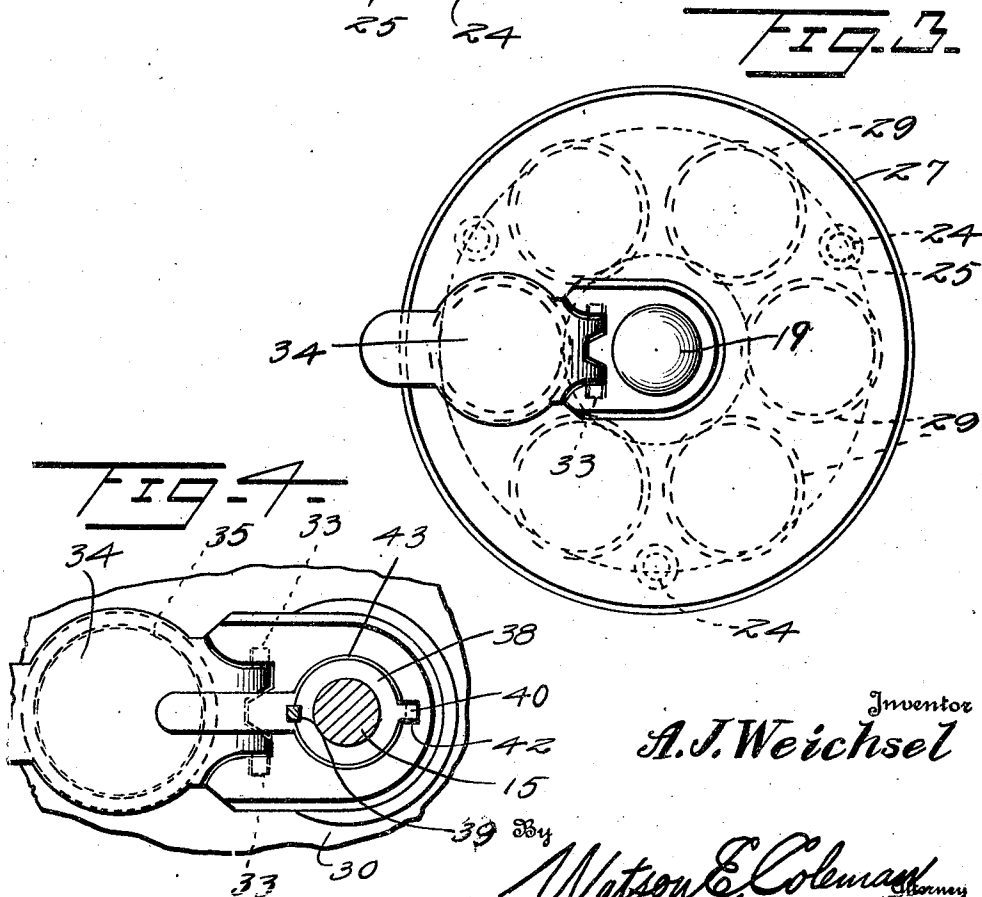
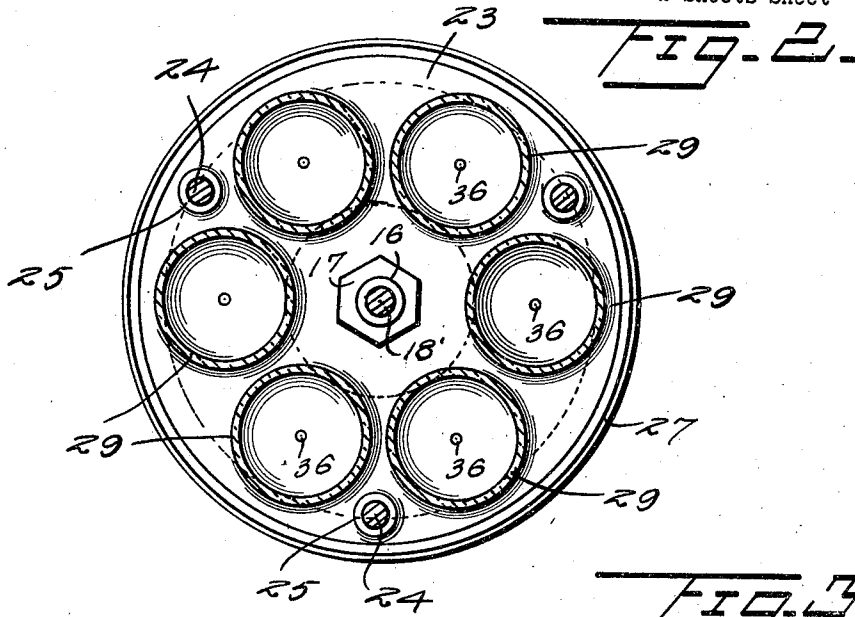
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2 Sheets-Sheet 2



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Patented July 10, 1928.

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UNITED STATES PATENT OFFICE.

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ROTARY CONTAINER.

Application filed August 11, 1927. Serial No. 212,297.

This invention relates to rotary containers and more particularly to a rotary container especially adapted for containing tooth brushes.

5 An important object of the invention is to provide a structure of this character wherein individual tooth brushes may be conveniently housed in dust-proof containers and may be readily removed therefrom.

10 A further object of the invention is to provide a structure of this character which may be very cheaply and readily manufactured, which will be durable and efficient in service and a general improvement in the
15 art.

These and other objects I attain by the construction shown in the accompanying drawings, wherein for the purpose of illustration is shown a preferred embodiment of
20 my invention and wherein:—

Figure 1 is a vertical sectional view through a rotary tooth brush container constructed in accordance with my invention;

25 Figure 2 is a transverse sectional view therethrough;

Figure 3 is a plan view thereof;

30 Figure 4 is an enlarged sectional view on the line 4—4 of Figure 1 showing the spring for maintaining the gate of the lower stationary plate in closed position;

Figure 5 is a fragmentary front elevation of the tooth paste tube holder.

Referring now more particularly to the drawings, the numeral 10 generally designates a J-shaped bracket, the longer arm 11
35 of which is provided with means whereby it may be secured to the wall. In the present instance, this means is disclosed as a threaded stem 12 projecting outwardly from
40 the longer arm and exteriorly threaded for the reception of a medallion 13 having openings for the passage of securing elements 14 which actually engage in the wall.

The shorter arm adjacent its extremity
45 has an ornamental enlargement 15 and above this enlargement is exteriorly screw-threaded, as at 16, to mount a nut 17 and is interiorly screw-threaded, as at 18, for the reception of the threaded lower end of a
50 post 18'. An ornamental cap 19 is threaded upon the upper end of the post 18'.

Rotatably mounted about the post 18' is a structure including upper and lower end plates 22 and 23 having apertures for the
55 passage of the threaded portions 16 and cap 19. These plates are held in spaced rela-

tion by spacing rods 24, the ends of which are engaged in sockets 25 upon adjacent faces of the plates. The upper plate 22 has formed therein a circular series of openings 60 26, while the lower plate is provided with a similar series of openings 27 which are, however, of slightly less diameter than the openings 26. The upper ends of these openings are counter-bored or otherwise enlarged 65 to the same diameter as the openings 26, thus producing annular shoulders 28 upon which are seated the lower ends of transparent tubes 29, the upper ends of which extend into the openings 26 without extending 70 entirely through the plate 22.

Upper and lower cover plates 30 are provided. These cover plates are identical, each having formed therein an opening 31
75 which is spaced from the axis of the plate a distance equal to the spacing of the openings 26 and 27 therefrom. Adjacent this opening and inwardly thereof, adjacent faces of the plates have notches 32 forming sockets for the reception of lugs 33 formed upon
80 hinged plates 34 serving as gates for the openings and provided upon their inner faces with lugs 35 fitting and substantially filling the openings. Adjacent faces of the
85 plates are further provided with shallow annular grooves and the lower plate 30 has located in these grooves small openings 36. Adjacent faces of the plates are provided at their peripheries with flanges 37 adapted to cover the edges of the disks or plates 22
90 and 23 to conceal the same.

In assembling the device, a small washer 38 having lugs 39 and 40 is placed upon the threaded portion 16 and seats against the enlargement 15, one of the lugs engaging 95 therewith, so that the washer is held against rotation. The lower plate 30 is then placed in position and the lug 40 of the washer engaged in a small socket 42 formed therein. The lower plate 23 100 of the rotatable structure is next placed in position, the sockets 25 arranged upwardly and the nut 17 is then applied and screwed down tightly enough to prevent escape of the lug 41 of the socket 42 without
105 binding the plate 23. The rod 18' is then placed in position. The rods 24 are then seated in the sockets 25 and the upper plate 22 passed over the upper end of the rod 18' and the upper ends of the rods 24 engaged 110 in their proper position. The upper plate 30 is then placed in position, a second

washer 38 is placed thereon and its lug 40 engaged in the socket 42 of the plate and the ornamental cap applied and screwed into position. The rotatable structure is then rotated to successively align each opening 26 of the upper plate with the opening 31 and the tube 29 slipped through the opening 31 to seat upon the shoulders 28 of the lower plate. It will be noted that by the use of this construction, the tube may be removed at any time to enable the same to be cleaned.

It will be obvious that by adjusting the ornamental cap, the openings 31 of the plates 30 may be aligned with one another, if so desired. In inserting a tooth brush, the upper gate 34 is lifted after an empty tube 29 has been aligned with the opening 31 and the brush inserted in this tube. Any moisture carried by the brush into the tube may drain therefrom to the groove of the lower cover disk and through the openings 36 thereof. When it is desired to move the tooth brush, the person desiring the tooth brush rotates the container until his tooth brush is aligned with the opening 31 of the lower plate and opens the gate 34 against the action of a spring 43, which normally maintains the same closed, permitting the tooth brush to drop into his hand. The transparent tubes permit ready identification of the brush. If desired, the J-shaped bracket may also be employed as a support for a tooth paste tube holder, as generally indicated at 44.

Since the construction hereinbefore set forth is capable of a certain range of change and modification without materially departing from the spirit of the invention, I do not limit myself to such specific structure except as hereinafter claimed.

I claim:—

1. In a rotatable tooth brush container, a rotatable structure including upper and lower disks having openings formed therein, the openings of the upper disk being larger than the openings of the lower disk, tubes having a diameter equal to the diameter of the openings of the upper disk and having their upper ends extended into said openings, the lower disk about the openings thereof having shoulders upon which the lower ends of said tubes may seat, means extending between the disks holding the disks in spaced relation to one another, a support extending axially of the rotatable structure, upper and lower stationary plates carried by said support and each having an opening with which the tubes of the rotatable structure are alignable and means closing the openings of said stationary plates.

2. In a rotatable tooth brush container, a rotatable structure including upper and lower disks having openings formed therein, the openings of the upper disk being

larger than the openings of the lower disk, tubes having a diameter equal to the diameter of the openings of the upper disk and having their upper ends extended into said openings, the lower disk about the openings thereof having shoulders upon which the lower ends of said tubes may seat, means extending between the disks holding the disks in spaced relation to one another, a support extending axially of the rotatable structure, upper and lower stationary plates carried by said support and each having an opening with which the tubes of the rotatable structure are alignable, a gate for the opening of each stationary plate and a spring for maintaining the gate of the lower plate in closed position.

3. In a rotatable tooth brush container, a rotatable structure including upper and lower disks having openings formed therein, the openings of the upper disk being larger than the openings of the lower disk, tubes having a diameter equal to the diameter of the openings of the upper disk and having their upper ends extended into said openings, the lower disk about the openings thereof having shoulders upon which the lower ends of said tubes may seat, means extending between the disks holding the disks in spaced relation to one another, a support extending axially of the rotatable structure, upper and lower stationary plates carried by said support and each having an opening with which the tubes of the rotatable structure are alignable, means closing the openings of said stationary plates, a support for said structure including a member rotatably mounting and preventing separation of the lower disk of the rotatable structure and the lower stationary plate, means connecting said member and the lower stationary plate preventing rotation of the stationary plate and means engaging the member and the upper stationary plate preventing separation thereof.

4. In a rotatable tooth brush container, a rotatable structure including upper and lower disks having openings formed therein, the openings of the upper disk being larger than the openings of the lower disk, tubes having a diameter equal to the diameter of the openings of the upper disk and having their upper ends extended into said openings, the lower disk about the openings thereof having shoulders upon which the lower ends of said tubes may seat, means extending between the disks holding the disks in spaced relation to one another, a support extending axially of the rotatable structure, upper and lower stationary plates carried by said support and each having an opening with which the tubes of the rotatable structure are alignable, means closing the openings of said stationary plates, a support for said structure including a member rotatably

mounting and preventing separation of the lower disk of the rotatable structure and the lower stationary plate, means connecting said member and the lower stationary plate preventing rotation of the stationary plate, a rod threaded into the member and directed through axial openings formed in the upper disk and the upper stationary plate, a cap on the upper end of said rod and means connecting said cap and the upper stationary plate holding the plate against rotation.

5. In a rotatable tooth brush container, a rotatable structure including upper and lower disks having openings formed therein, the openings of the upper disk being larger than the openings of the lower disk, tubes having a diameter equal to the diameter of the openings of the upper disk and having their upper ends extended into said openings, the lower disk about the openings thereof having shoulders upon which the lower ends of said tubes may seat, means extending between the disks holding the disks in

spaced relation to one another, a support extending axially of the rotatable structure, upper and lower stationary plates carried by said support and each having an opening with which the tubes of the rotatable structure are alignable and means closing the openings of said stationary plates, said tubes being insertible and removable through the opening of the upper stationary plate.

6. In a tooth brush holder, a stationary axle, a rotatable structure mounted on the axle and including a plurality of parallel open-ended tubes grouped about and uniformly spaced from the axle, and means for holding the tubes in assembled relation, upper and lower stationary plates carried by said support and each having an opening with which the tubes of the rotatable structure are alignable and means closing the openings of said stationary plates.

In testimony whereof I hereunto affix my signature.

ARTHUR J. WEICHSEL.