

Oct. 4, 1927.

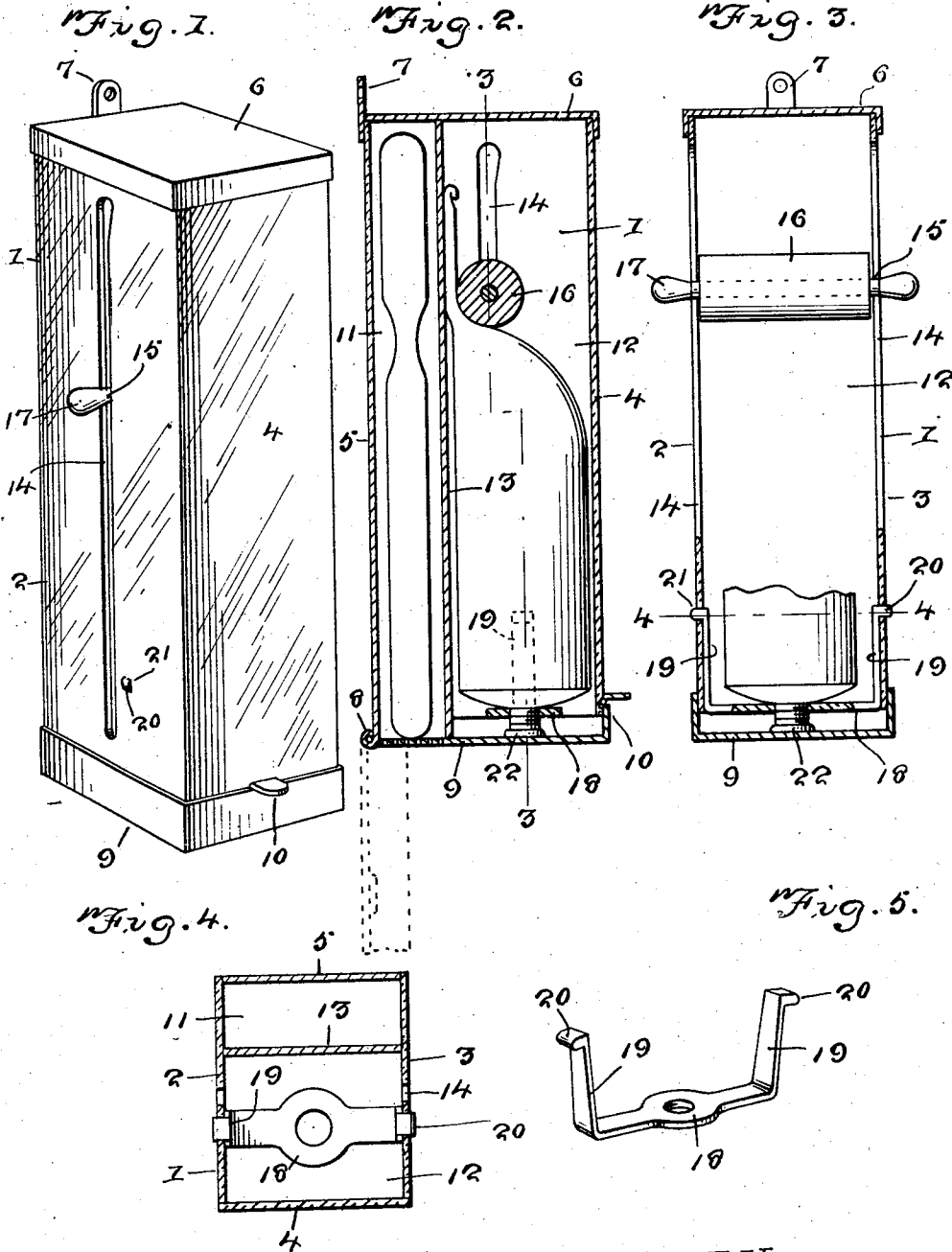
1,644,049

W. H. YOUNG

TOOTHBRUSH AND PASTE HOLDER

Filed Oct. 15, 1926

2 Sheets-Sheet 1



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Fig. 6.

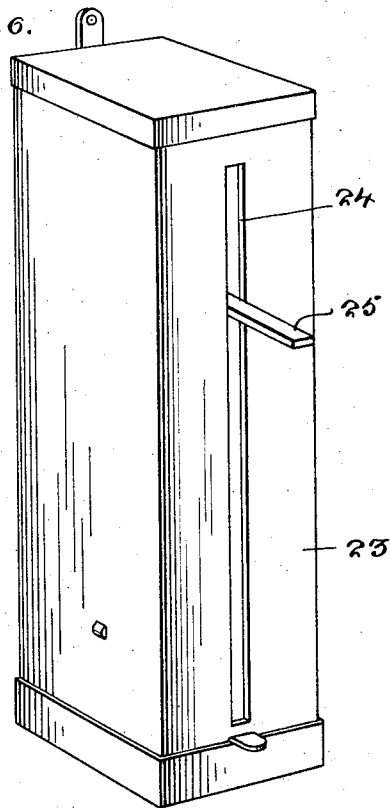


Fig. 7.

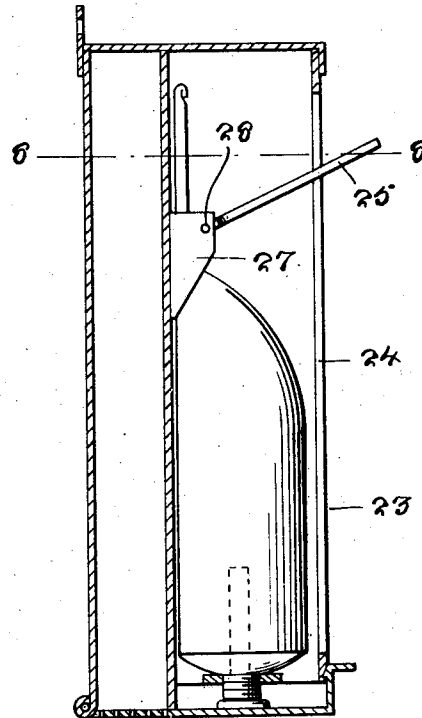


Fig. 8.

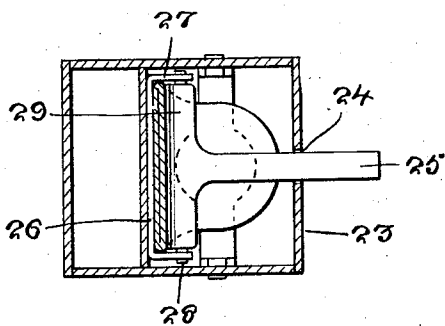
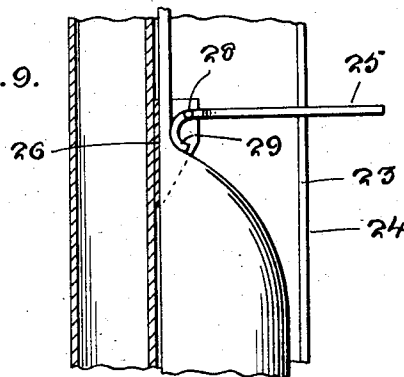


Fig. 9.



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UNITED STATES PATENT OFFICE.

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TOOTH BRUSH AND PASTE HOLDER.

Application filed October 15, 1926. Serial No. 141,825.

This invention relates to toilet articles and its primary object is to provide a tooth paste dispensing cabinet and tooth brush holder that not only houses a tooth brush in a sanitary manner but supports a collapsible tube of paste in an inverted position and also includes means whereby the contents of the latter may be dispensed therefrom and the tube is held in operative position at all times regardless of the position of the door of the cabinet.

A further object of the invention is to provide a tooth brush and paste tube cabinet that includes a door having closure means thereon for covering the nozzle of the tube when the door is in its closed position, thereby the contents of the tube will be kept in a clean and sanitary condition.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a perspective view of the device which forms the subject matter of one form of the present invention.

Figure 2 is a vertical sectional view taken therethrough to illustrate the position of the tooth brush and paste tube.

Figure 3 is a sectional view taken on the line 3—3 of Figure 2.

Figure 4 is a sectional view taken on the line 4—4 of Figure 3.

Figure 5 is a perspective view of the tube supporting means.

Figure 6 is a perspective view of a modified form of the invention.

Figure 7 is a vertical sectional view taken through the cabinet as shown in Figure 6.

Figure 8 is a sectional view taken on line 8—8 of Figure 7.

Figure 9 is a fragmentary sectional view illustrating the operation of the means for removing the contents of a tube in the modified form.

Referring to the drawings in detail and particularly to Figures 1 to 5 inclusive the reference numeral 1 indicates a rectangular cabinet provided with an open bottom, side

walls 2 and 3, front and back walls 4 and 5 respectively, and a top 6. The front and side walls are formed of transparent or semi-transparent material as shown in the drawings. Secured to and rising from the back wall 5 in a manner to be disposed above the top wall 6 is an apertured ear 7 adapted to receive a nail or other supporting means whereby the cabinet may be supported in a depending position upon a wall or the like.

The lower edge of the rear wall 5 is bent upon itself as at 8 to provide a hinge for the door 9 which is formed on its front and side edges with flanges to engage the adjacent edges of the respective walls of the cabinet when arranged in closed position as suggested in Figure 2 of the drawings and a handled catch 10 is formed with the front flange for engagement with a notch in the front wall for retaining said door 9 in its closed position. The cabinet is divided into a tooth brush compartment 11 and a tube compartment 12 through the instrumentality of a partition 13. The portion of the door 9 which underlies the tooth brush compartment is preferred so as to allow sufficient air within the tooth brush compartment for keeping a tooth brush in a dry state.

The side walls 2 and 3 of the form as shown in Figures 1 to 5 inclusive are formed with vertical slots 14 which are adapted to accommodate the trunnions 15 of a roller 16. Extending laterally from the trunnions 15 are handles 17 whereby the roller may be moved vertically within the tube compartment as suggested in Figure 2 of the drawings and the purpose of said roller is to collapse the tube and press the contents therefrom as said roller is moved in a downward direction. The vertical slots are provided with rounded ends and the upper ends of each slot, are slightly enlarged to provide an inclined edge as shown so that a full tube can be readily placed in said tube compartment without interference thereof by the roller.

The tube is supported in its compartment by a substantially U-shaped member formed with a body 18 which is disk shaped in configuration and extending from diametrically opposite sides from said body are right angle disposed arms 19 which have their upper ends formed with studs 20 received in elongated openings 21 oppositely disposed in the side walls 2 and 3 of the tube compartment, and said body 16 is provided with an opening to accommodate the nozzle of

the tube as suggested in Figures 2 and 3 of the drawings. By this construction, it will be obvious that the tube will be supported in operative position regardless of whether or not the door 9 is in open or closed position and disposed on the inner face of said door in a manner whereby it will engage the nozzle to provide a leak proof connection therewith is a closure member 22.

In the modified form of the invention as illustrated in Figures 6 to 9 inclusive I have provided a cabinet similar in construction to the cabinet as shown in Figures 1 to 5, but it will be noted that the side walls in this form of the invention are solid while the front wall 23 is provided with a slot 24 through which projects the handle 25 of the means for pressing and removing the contents of the tube which is associated with this modified form and said means includes a body plate 26 which when associated with the tube is arranged in sliding engagement with the rear wall of the tube receiving compartment as shown in Figure 9. This body plate 26 is provided with apertured ears 27 arranged at right angles to the plate and in parallelism with each other so that the apertures thereof will accommodate studs 28 projecting from the outer edges of the presser or cam member 29 which is curved as shown in Figure 9 for engaging the tube and pressing the contents therefrom when the handle which extends centrally from the cam member is given a reciprocatory downward movement in the slot 24 as will be readily apparent.

From the above description and disclosure of the drawings, it will be apparent that the cabinet which forms the subject matter of the present invention will house a tooth brush and a collapsible tube of paste in an inverted position so that the roller as shown in Figures 1 to 5 inclusive can operate upon the tube for forcing the contents therefrom when said roller is moved in a downward position by the handles 17, and a brush as well as the tooth paste is retained in a clean and sanitary condition when the cabinet is not in use.

The operation of the means for removing the contents of the tube, as shown in Figures 6 to 9 is accomplished by merely sliding the handle downwardly in the slot 24 at the same time giving it a reciprocatory movement so that the cam member will operate upon the tube in the manner as set forth.

It is thought from the foregoing descrip-

tion that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. A dispensing cabinet of the character described comprising a tooth brush and tooth paste tube compartments, a substantially U-shaped member arranged in the paste tube compartment for supporting a tube in inverted position, means for removing the contents of the tube, a door for said tooth paste tube compartment and a closure on said door underlying and engaging the nozzle of the tooth paste tube when said door is arranged in closed position.

2. A toilet article of the character described comprising a cabinet, a partition dividing the cabinet into a tooth brush compartment and a tooth paste tube compartment, said tooth paste tube compartment having slots formed in its side walls and vertically disposed therein, a roller having trunnions arranged in said slot and being adapted to be associated with a tube of paste in a manner whereby when said roller is moved downwardly is adapted to press the contents of the tube therefrom, handles on said trunnions for moving said roller, a door forming the bottom of said container and being hinged thereto, a substantially U-shaped member having an opening centrally disposed therein for receiving the nozzle of the tube whereby the latter is supported in inverted position in its compartment, means for retaining the door in closed position and means for engaging the bottom of said nozzle for closing the latter when the door is arranged in closed position.

3. A toilet article of the character described comprising a cabinet formed with a tooth brush and tooth paste tube compartments, means for securing a tube in inverted position in the tooth paste tube compartment, means for removing the contents of said tube and including a body plate mounted for slidable movement on the rear wall of the tube compartment, apertured ears formed on said body plate and adapted to receive a cam member journaled in the apertures of the ears, and a handle projecting centrally from said cam member and extending through a slot in the cabinet for operating the contents removing means.

In testimony whereof I affix my signature.

WILLIAM HERBERT YOUNG.