

W. D. JONES.
 ANTISEPTIC TOOTH BRUSH HOLDER.
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941,200.

Patented Nov. 23, 1909.

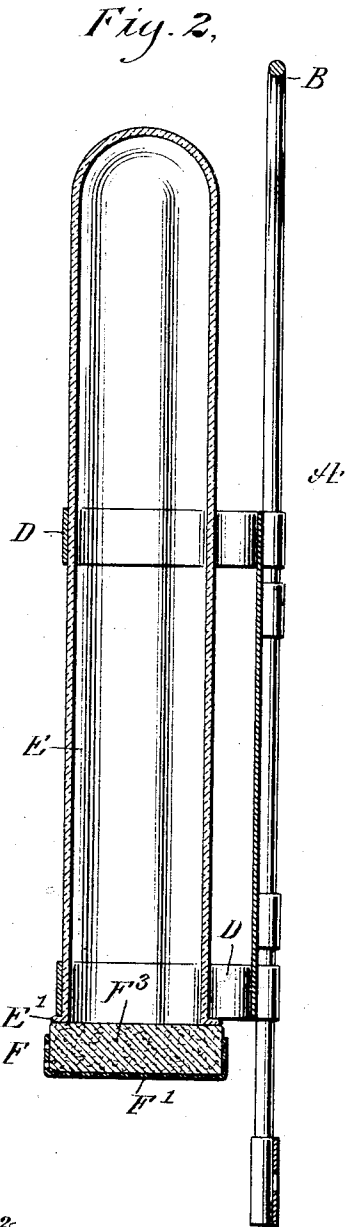
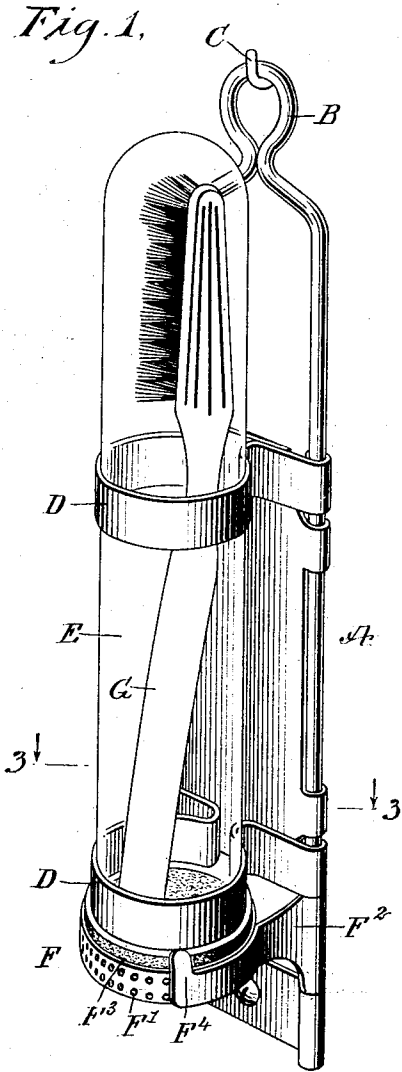
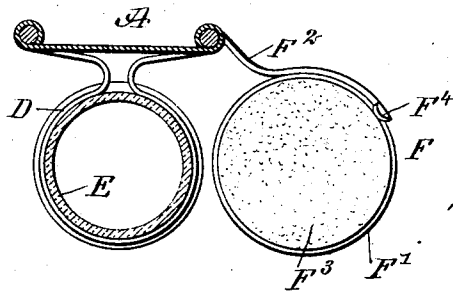


Fig. 3.



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WILLIAM DAVID JONES, OF NEW YORK, N. Y., ASSIGNOR TO ANTISEPTIC HOLDER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

ANTISEPTIC TOOTH-BRUSH HOLDER.

941,200.

Specification of Letters Patent. Patented Nov. 23, 1909.

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To all whom it may concern:

Be it known that I, WILLIAM D. JONES, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Antiseptic Tooth-Brush Holder, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved antiseptic tooth brush holder, arranged to contain the tooth brush in a tube filled with antiseptic vapors, to allow convenient removal of the tooth brush for its legitimate use and replacing of the same in the tube, and to supply the tube continually with vapors with a view to maintain the tooth brush when not in use, in an antiseptic condition.

For the purpose mentioned use is made of a support having retaining means for a tube adapted to contain the tooth brush and preferably made of glass and closed at its upper end and open at the bottom, and a closure for removable engagement with the lower open end of the tube to close the same and to supply disinfecting or antiseptic vapors to the same.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement, showing the tooth brush in position in the glass tube and the holder closed; Fig. 2 is a transverse section of the same; and Fig. 3 is a sectional plan view of the same on the line 3—3 of Fig. 1, and showing the closure for the glass tube in an open position.

A frame or support A of suitable construction is provided at its upper end with an eye B for conveniently hanging the holder on to a hook C, as indicated in Fig. 1, and on the said frame A are held clamping bands D clampingly engaging a glass tube E, closed at the top and open at the flanged bottom E', the clamping bands D engaging the glass tube E with sufficient friction to normally hold the glass tube E in an upright position but to allow removal of the glass tube in case the same is broken or needs cleaning and the like. The flange E' at the lower end of the glass tube E is adapted to

abut against the bottom edge of the lowermost band D so as to limit the upward sliding movement of the glass tube E in the bands when placing the glass tube in position therein.

The lower open end of the glass tube E is adapted to be closed by a closure F, preferably in the form of a perforate cup F' having an arm F² mounted to swing on the frame A, to allow of swinging the cup F' into a closed position, as shown in Figs. 1 and 2, or into an open position, as illustrated in Fig. 3. In the perforate cup F' is held an absorbent material F³, such as felt or the like, and somewhat projecting above the top edge of the cup F', to engage the lower flanged end E' of the tube E, to hermetically close the same. The absorbent material F³ is adapted to receive formaldehyde or other disinfecting or antiseptic fluid, which is readily absorbed by the material F³ and which is capable of allowing the antiseptic fluid to evaporate and pass up into the tube E, thus filling the same with antiseptic or disinfecting vapors. Now when the closure F is swung into an open position by the operator, a tooth brush G can be readily placed into the tube E, and then the closure F is swung into a closed position so that the lower end of the tooth brush rests on the absorbent material F³.

From the foregoing it will be seen that the tooth brush G is contained in a glass tube E filled with disinfecting vapors, thus keeping the tooth brush G in a sanitary condition while not in use. When it is desired to use the tooth brush G, it is only necessary for the operator to swing the closure F into an open position and to allow the tooth brush G to drop out, to be taken hold of by the operator.

The closing movement of the closure F is limited by a stop F⁴ formed on the arm F² and adapted to engage one side of the lower end of the glass tube E, thus holding the closure in central position at the lower end of the glass tube E.

The antiseptic tooth brush holder shown and described is very simple and durable in construction, composed of comparatively few parts and not liable easily to get out of order.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. An antiseptic tooth brush holder provided with a glass tube closed at the top and open at the lower end, means for supporting the said tube in upright position, and a closure mounted to swing in the said support and adapted to close the said lower open end of the said tube.

2. An antiseptic tooth brush holder, comprising a frame having clamping bands, a glass tube engaged by the said clamping bands to hold the glass tube in an upright position, the glass tube being closed at the top and open at the bottom, and a closure for the said open glass tube end and having a perforate cup provided with an arm

mounted to swing on the said frame, and an absorbent material in the said cup and on which is adapted to rest the lower open end of the said glass tube, the said absorbent material beng adapted to receive, absorb and evaporate an antiseptic liquid, the generated antiseptic vapors rising in the said glass tube.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM DAVID JONES.

Witnesses:

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JOHN A. DONARD.