No. 872,091. PATENTED NOV. 26, 1907.

F. J. SPANGLER.

TOOTH BRUSH HOLDER.

APPLICATION FILED MAR. 18, 1907.

Fig. 1.

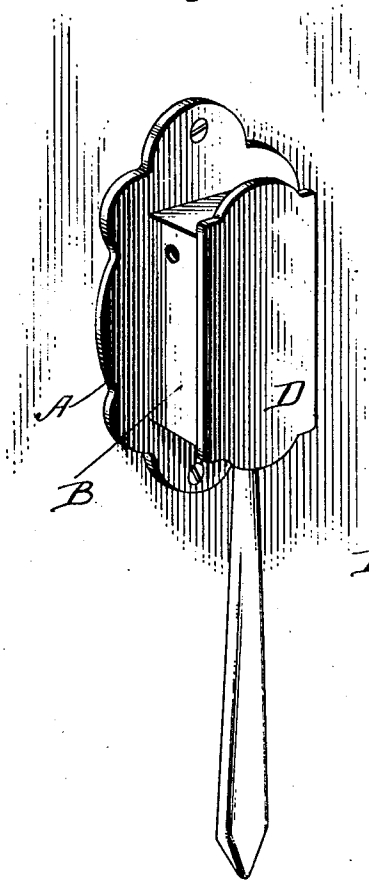
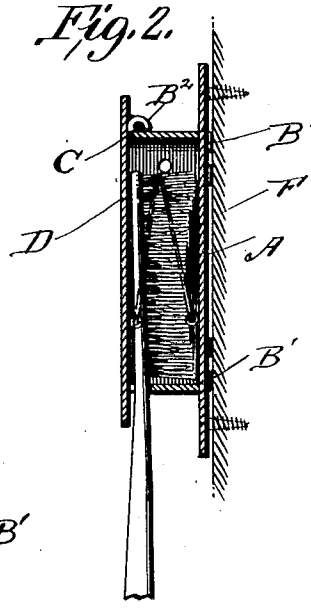


Fig. 2.



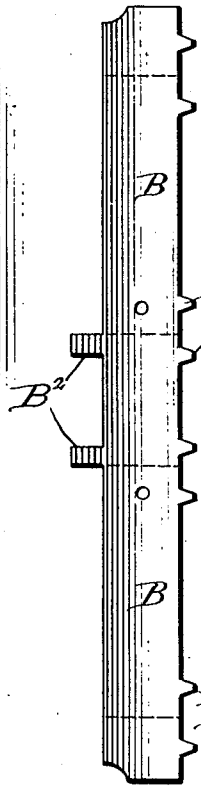
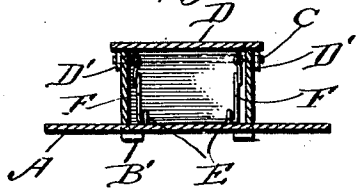


Fig. 4.

Fig. 5.



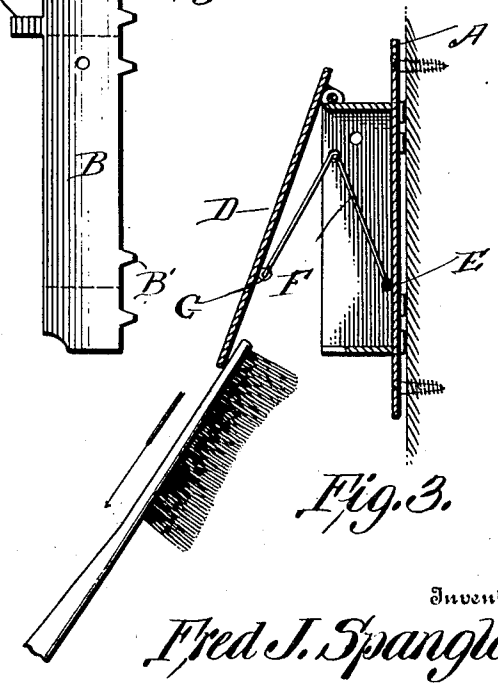


Fig. 3.

Witnesses

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FRED J. SPANGLER, OF LEBANON, PENNSYLVANIA.

TOOTH-BRUSH HOLDER.

No. 872,091. Specification of Letters Patent. Patented Nov. 26, 1907.

Application filed March 18, 1907. Serial No. 363,149.

To all whom it may concern:

Be it known that I, FRED J. SPANGLER, a citizen of the United States, residing at Lebanon, in the county of Lebanon and State of Pennsylvania, have invented a new and useful Improvement in a Tooth-Brush Holder, of which the following is a specification.

This invention relates to tooth brush holders, and more particularly to tooth brush holders adapted to be attached to the wall, for holding the tooth brush after it has been used so that the brush will be kept clean; the object being to provide a holder which is very simple and cheap in construction and one which is very effective in use.

Another object of my invention is to provide a holder so constructed that the brush can be easily and quickly inserted or taken out of the holder.

Another object of my invention is to provide a holder which will close automatically after the brush is taken out or put in, so that the brush will be protected from dust and dirt, and one which can be formed from any suitable material, such as sheet metal, wood, aluminium, etc.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts, hereinafter fully described and pointed out in the claims.

In the drawings forming a part of this specification:—Figure 1 is a perspective view of my improved holder showing a brush arranged therein. Fig. 2 is a vertical sectional view of the holder showing a brush arranged therein. Fig. 3 is a vertical sectional view of the holder showing a brush being removed therefrom. Fig. 4 is a plan view of the blank from which the casing is formed. Fig. 5 is a transverse sectional view through the holder.

In the drawings A indicates a base plate having spaced slots formed therein, in which are secured the spurs B′, of the casing B formed of a blank, as shown in Fig. 4. The tip of the casing is provided with outwardly projecting tongues B^2 which are bent to form eyes in which is secured a pin C on which are mounted the apertured ears D′, of a cover D, which is of a greater length than the casing. The sides of the casing are provided with openings so that air can freely circulate therethrough, and the bottom of the casing is provided with an opening formed by notching the ends of the blank as shown in Fig. 4, for receiving the handle when the tooth brush is placed therein.

Eyes E are secured to the base, inside the casing adjacent the side, through which passes a piece of spring-wire which is bent upwardly and coiled, and then downwardly having its ends secured in eyes G, secured to the cover forming a spring F, for normally holding the cover closed over the casing. It is of course understood that any suitable kind of spring may be employed to hold the cover closed. The base is provided with openings through which screws are adapted to pass and secure the same to the wall.

The operation is as follows:—When it is desired to place a brush in the holder, the back of the head of the brush is brought into engagement with the under side of the downwardly projecting end of the cover, and the brush is pulled outwardly which forces the cover outwardly so that it can be rigidly shoved up into the casing, the handle fitting in the opening formed in the bottom and the cover being brought back into position by the springs, which will inclose the head of the brush therein and protect the same from dust and dirt.

It will be readily seen when it is desired to remove the brush from the holder, the handle of the brush is caught hold of and the head forced outwardly so as to open the cover and then downwardly, as shown in Fig. 3. The holder may also be operated by pressing the upper projection of the cover with the fingers of one hand, and place or remove the brush with the other hand.

It is obvious that the holder may be made wider with a series of openings in its bottom, and provided with partitions so as to hold more than one brush.

I do not wish to be understood as in any way limiting myself to the particular details of construction disclosed in the drawing, and above description, as many changes and modifications therein may be readily made within the spirit and scope of my invention.

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

1. A tooth brush holder comprising a base adapted to be secured to the wall, a casing secured on said base having a notched bottom and a spring actuated cover arranged

over said casing projecting down below the bottom of said casing, for the purpose described.

2. In a device of the kind described, the combination with a base adapted to be secured to the wall, of a casing secured on said base having an opening in its bottom, eyes formed on said casing carrying a pin and apertured ears, of a spring actuated cover mounted on said pin, for the purpose described.

3. In a tooth brush holder, the combination with a base provided with slots, of a casing provided with spurs secured in said openings in said base, eyes formed on the top of said casing carrying a pin, a cover of a greater length than the casing provided with apertured ears mounted on said pins and a spring connecting said cover to said base, for the purpose described.

4. In a tooth brush holder, the combination with a casing provided with an opening in its bottom adapted to receive the handle of the brush, and a spring actuated cover mounted on said casing adapted to be operated by the brush or hand, in placing the brush in the casing, and removing the brush, for the purpose described.

FRED J. SPANGLER.

Witnesses:
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J. LE ROY WAGNER.