Aug. 28, 1923. 1,466,041

J. A. DUGGAN

TOOTHBRUSH HOLDER

Filed April 30, 1921

Fig. 1

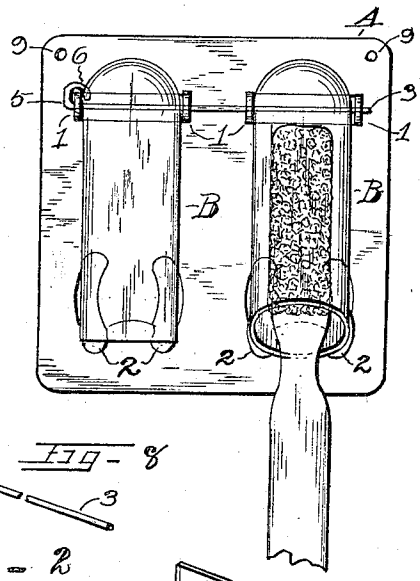


Fig. 3

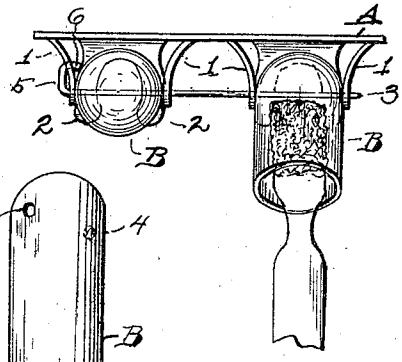
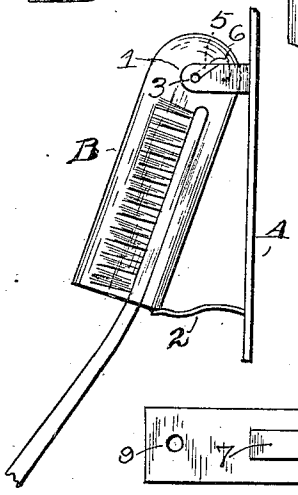


Fig. 8

Fig. 2



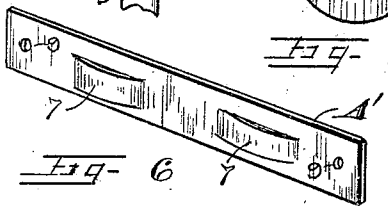


Fig. 6

Fig. 7

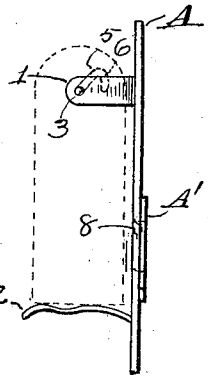


Fig. 5

Fig. 4

WITNESSES.

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UNITED STATES PATENT OFFICE.

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TOOTHBRUSH HOLDER.

Application filed April 30, 1921. Serial No. 465,710.

To all whom it may concern:

Be it known that I, JOHN A. DUGGAN, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Toothbrush Holders, of which the following is a specification.

This invention relates to certain novel and useful improvements in toothbrush holders and has particular application to a ventilating hinged brush receptacle.

In carrying out the present invention my purpose is to provide a toothbrush holder wherein ventilating apertures of the brush receptacle form eyelets through which a removable pintle is passed and on which said receptacle may be swung in the mode of placing or removing a brush, and also whereby said pintle may be readily removed and permit the receptacle to be removed for cleaning, also permitting the assembling of the parts in a more economical and expedient manner than heretofore.

In my Patent No. 1,370,793 of 1921, the method of hinging the receptacle embraced two members forming a resilient clamping band. The present invention contemplates a more efficient, neater appearing more sanitary and desirable means for assembling than anything now in use, to the best of my knowledge and belief.

With the preceding and other objects in view, the invention consists in the construction, combination and arrangement of parts, hereinafter set forth and falling within the scope of the claims.

In the accompanying drawing, Figure 1 is a front elevation of the toothbrush holder comprising two brush receptacles, the one to the left being empty, the one to the right containing a toothbrush with its receptacle swung forward in the manner for removing said brush.

Fig. 2 is the side view of the left receptacle shown in Fig. 1.

Fig. 3 is a plan view of Fig. 1.

Fig. 4 is a modified form of the frame parts of a toothbrush holder, a wall piece of the frame having seats for two brush receptacle holders and with but one holder mounted thereon, a pintle hinge-pin in position, and the dotted outline of a toothbrush receptacle.

Fig. 5 is a side elevation of Fig. 4.

Fig. 6 is a perspective view of the wall piece shown in Fig. 4.

Fig. 7 is a perspective view of a toothbrush receptacle.

Fig. 8 is a perspective view of a pintle or hinge upon which the brush receptacles are mounted.

In the several views of the drawing, like marks of reference refer to corresponding or equivalent parts, in which A represents a frame, a back piece of composite material such as pyrolin, fiber, celluloid, aluminum or other material adequate for the purpose, and noncorrosive in character, having ears 1 and prongs 2 struck up from the material comprising said frame. The ears 1 are perforated at their ends and form supports between which the toothbrush containers B are mounted on a metallic pintle or hinge 3 passing through the aligned perforations of said ears. The prongs 2 are positioned to receive the lower end of a container when the latter is mounted in a vertical normal position, said prongs also forming seats between which a brush is lodged when its container is seated thereon in the usual manner.

Preferably the containers B are of glass, having their upper ends closed and their walls pierced with diametrically-opposite ventilating holes 4 located near said upper ends, said holes not only providing ventilating ducts through which moisture may readily pass when a brush has been washed and returned to its receptacle, but also permitting a pintle or hinge 3 to be introduced and upon which said receptacles may be mounted in its frame.

The pintle 3 has a curved end 5, which for the purpose may be bent at right angles to its shank, thence bent parallel with said shank and again bent downward from a plane of the parallel portions thereof and forming an offset or hook 6 adapted to lock over the edge of an ear and prevent said pintle from removal when in operative position.

In Figs. 4, 5 and 6, I have shown a modified form of frame, the same comprising at least two parts, A and A′, the part A not materially differing from the regular frame A heretofore set forth.

The frame A′ is a thin oblong strip slitted at intervals of its length and treated to form offset loops 7 into and through which a tongue 8 of the frame portion A is inserted for the purpose of securing the parts together, eyelets 9 being formed in both the ends of the frame A′ and the large frame

A through which suspending means may be introduced to hold the same in operative position on a wall or other place. As shown, the strip A′ is formed to receive two independent receptacle frames, only one of the latter being shown in the drawing, it being optional with the producer to provide one or more loops for the attachment of receptacle holders.

In practice, to remove the pintle 3, the curved end 5 thereof is turned to disengage the hook 6 from the ear 1 and the pintle pulled from its bearings in the ears.

It will be seen that the construction shown provides means whereby a toothbrush receptacle may be easily and securely attached within its frame and whereby the same may be readily removed for either cleaning or replacement, and whereby the attaching means or pintle is of the most simple nature, inexpensive, and positive in operation.

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

1. In an article of manufacture, the combination with a frame having outwardly-disposed parallel ears with aligned apertures, of a cylindrical receptacle closed at its upper end and open at its lower end interposed between said ears, said receptacle having oppositely-disposed pintle and ventilating holes, a pintle extending through the apertures in said ears and through the pintle and ventilating holes in said receptacle, said pintle having one curved end adapted to lock with one of said ears when turned in its bearings, as and for the purpose set forth.

2. In an article of manufacture, the combination of a framework having ears with aligned pintle holes and a pintle adapted to extend through said holes, one end of said pintle being looped and formed with a hook whereby said hook may engage the opposite side of the ear from said loop when said pintle is turned in the eyelets of said ears to prevent the removal of said pintle.

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Witnesses:
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