No. 829,047. PATENTED AUG. 21, 1906.

H. M. WILLIS.

BRUSH HOLDER.

APPLICATION FILED AUG. 22, 1905.

Fig. 1.

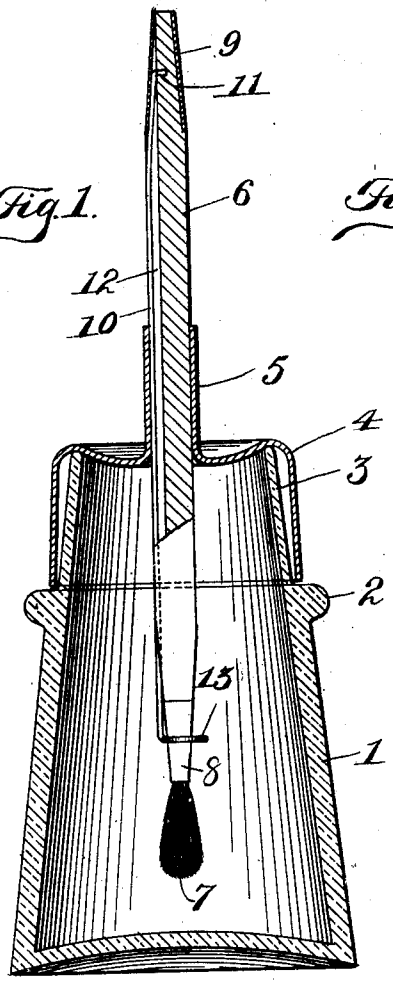
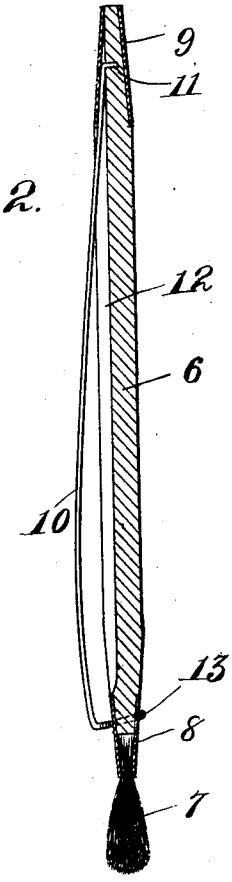


Fig. 2.



Witnesses
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BRUSH-HOLDER.

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Application filed August 22, 1905. Serial No. 275,225.

To all whom it may concern:

Be it known that I, HENRY M. WILLIS, a citizen of the United States, residing in East Williston, Nassau county, and State of New York, have invented a new and useful Improvement in Brush-Holders, of which the following is a description.

This invention relates to brush-holders, and particularly to holders such as are used with mucilage and paste bottles.

Among the objects of this invention may be noted the following: to provide a brush-holder which is a part of the brush and cannot, therefore, be lost or misplaced; to provide a brush with a holder which will coöperate with the cover automatically and hold said brush in any desired adjusted position; to provide a brush-holder which will retain the brush in any adjusted position by merely sliding the same in the cover, and to provide a brush with frictional means which automatically holds the brush in adjusted position.

With these objects in view and others which will be disclosed during the course of this description this invention consists in the parts, features, and combinations hereinafter described and claimed.

In the drawings forming part of this description, Figure 1 is a central longitudinal section of a mucilage bottle or holder, including the cover therefor, and showing the brush in place illustrating my invention, the brush being partially in section and partially in elevation; and Fig. 2 is a longitudinal central section of the brush.

The numeral 1 denotes a conventional form of mucilage-bottle having a flange 2 and above the latter a neck portion 3. The cover 4 rests upon the top of the neck 3 or upon the flange 2 and is provided with a tubular extension or neck 5. The brush-handle 6 freely slides in the neck 5 of the cover and has at one end a brush 7, held by a ferrule 8, suitably clamped in place. The other end of the handle also has a ferrule 9 clamped thereon, which securely holds one end of a bowed spring-wire 10, said end being bent at 11 and embedded in the handle. The wire 10 extends lengthwise of the handle and when compressed is received in the groove 12, extending longitudinally of the handle. At its other end the wire is formed into a loop 13, which encircles the handle at the ferrule 8, thus enabling the wire to be compressed by the loop sliding longitudinally of the brush. The wire 10 constitutes a self-adjusting automatically-operating frictional holding device for the brush, the same performing its functions instantly the handle is inserted in the neck 5. By the term "wire" I do not purpose being confined to the conventional round metal wire, but intend the term to include any form or shape of frictional device made of any material which operates in substantially the same way to secure the functions shown and described. The diameter of the handle 6 may be nearly the same as the inner diameter of the neck 5, in which case the wire will normally lie within the groove 12, which latter will be deep enough to allow play of the wire therein.

Among the advantages of this invention may be noted the following: The holding device is always with the brush and needs no manipulation to cause the same to perform its functions. The holding device automatically adjusts itself and creates friction for the purpose of retaining the brush in the cover. The holder avoids the necessity for binding the brush rigidly to the cover by a separate holding and adjusting means. The brush can be raised and lowered instantly by merely pulling or pushing the same in the neck 5 of the cover. The holding means is simple, effective, cheap to mauufacture, and quickly manipulated for adjustments.

What I claim, and desire to secure by Letters Patent, is—

1. In combination with the handle of a brush, a holder and means for fixing it to the brush-handle at one end, means carried by the holder at its other end loosely engaging the brush-handle whereby it is movable relatively to the latter at said other end, said holder being composed of a material which gives it the inherent quality to enable it to act automatically to maintain the brush in any adjusted position, substantially as described.

2. In combination with the handle of a brush, a holder carried thereby and fixed thereto, said holder including a loop freely encircling said brush-handle whereby it may have lateral movement relatively to the handle for performing its functions.

3. In combination with the handle of a brush, a yielding holder carried thereby and fixed thereto, said holder having means coöperating with the brush whereby it may yield laterally and a portion thereof move longitudinally relatively to the handle.

4. In combination with the cover of a receptacle, a brush, the handle of which is provided with a holder fixed thereto, said holder having means for coöperating with the cover, and also having means coöperating with the brush-handle for enabling it to have movement relatively to said handle in directions at an angle to each other, whereby the brush may be adjusted in the cover and be automatically retained in adjusted position.

5. In combination with the cover of a receptacle, a brush, the handle of which frictionally engages the cover, and independent means carried by said handle and movable relatively thereto in different angular directions for yieldingly applying friction to the cover to hold the brush in any desired position in the latter.

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

HENRY M. WILLIS.

Witnesses:
CHAS. McC. CHAPMAN,
M. HERSKOVITZ.