

No. 816,793.

PATENTED APR. 3, 1906.

C. A. HARRIS.
BRUSH HOLDER.
APPLICATION FILED DEC. 4, 1905.

Fig. 1.

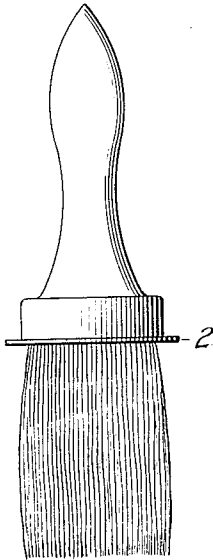


Fig. 2.

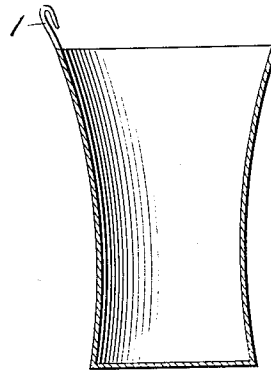


Fig. 3.

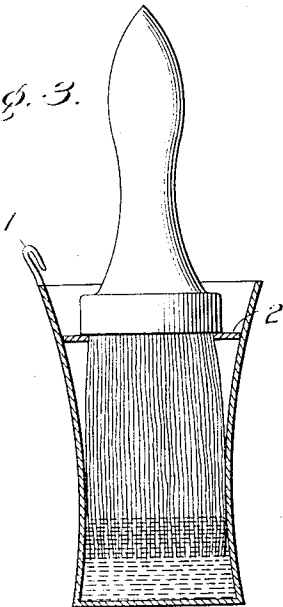


Fig. 4.

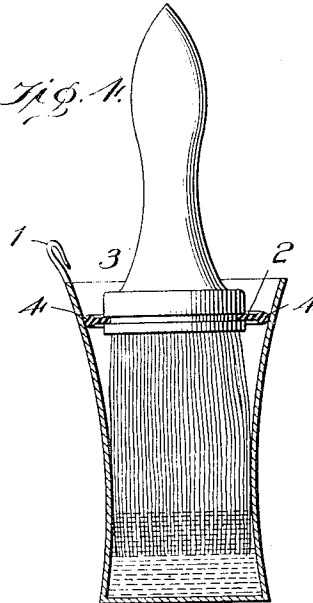
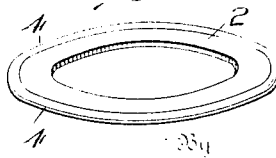


Fig. 5.



Witnesses

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CHARLES ADRIAN HARRIS, OF BRATTLEBORO, VERMONT.

BRUSH-HOLDER.

No. 816,793.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed December 4, 1905. Serial No. 290,221.

To all whom it may concern:

Be it known that I, CHARLES ADRIAN HARRIS, a citizen of the United States, residing at Brattleboro, in the county of Windham and State of Vermont, have invented certain new and useful Improvements in Brush-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

For keeping paint-brushes in soft condition, so that they may be used when desired, is the object of my invention, and for this purpose I provide a cup for containing a liquid and flaring at its open end and provide the hub or head of the brush with a flat ring, so as to present a horizontal sealing edge to the flaring walls in any position of the ring and prevent the drying of the fluid, and in the claims I will point out the precise improvement.

Referring to the accompanying drawings, Figure 1 shows the brush with its sealing-ring. Fig. 2 shows the flaring cup in vertical section. Fig. 3 shows the brush suspended by a metallic handle-ring upon the flaring walls of the cup as a sealing-closure for the cup-chamber. Fig. 4 is an identical view showing the brush having a sealing-ring of rubber. Fig. 5 shows the rubber sealing-ring formed with a circumferential bead.

The cup may be of any suitable size, flaring at its open end and provided with a hook 1, standing upward from its edge, by which it may be hung up. That part of the brush-handle to which the bristles are secured is provided with a ring 2, so that it projects as a rim overhanging the bristles and having a diameter adapting it to rest upon the flaring walls of the cup and support the brush in a suspended position within the fluid contents and also serving as a sealing-closure for the cup, preventing the evaporation of the fluid within which the brush is suspended, so that the open-top cup is both a holder and a seal for the brush, rendering it convenient to drop the brush into the cup and cause it by its weight to seat the edge of its ring upon the flaring walls with a close joint, so as to exclude the air and keep the brush ready to take the paint for use.

The ring may be of metal or rubber or other suitable flexible material; but I prefer rubber as best adapted by its elastic or yield-

ing edge to render the seal effective in suspending the brush, and for this purpose the ring has a diameter adapted to find a seat on the walls of the cup when set therein, so that its bristles will be free from the weight of the brush.

The cup is suited to the size of the brush, and the walls of the cup keep the bristles in a compact body, with the bristles sealed airtight in a small quantity of turpentine, and it will be noted that the brush is caused to stand in vertical position, with the bristles crowded together by the wall of the cup. In inserting the brush the arm of the hook will by a turn of the brush guide any outside bristles into the cup.

The ring may be comparatively thin and may be confined in any suitable manner on the hub of the brush, as in Figs. 1 and 3. The metal ring may be soldered to the bottom of the hub; but in using a rubber ring a convenient way is to spring it into a groove 3, formed in the circumference of the hub, as in Fig. 4, and to give the rubber ring a better sealing function on the walls of the cup I prefer to form it with a circumferential bead 4, which provides a convex seat, and therefore an increased sealing-surface. Moreover, the rubber beaded ring gives the advantage of keeping the edge from binds or kinks and causes it to maintain a straight seating edge at every point of the circle on the walls of the cup, whether the ring be seated in a vertical or in an inclined position.

I claim—

1. A paint-brush provided with a flat cup-sealing ring fitted upon the hub or head thereof and having a diameter adapted to maintain a horizontal edge seal upon the walls of the cup in any position of the ring.

2. A paint-brush provided with a flat cup-sealing ring fitted in a circumferential groove in the hub or head of the brush whereby to facilitate the seating of said ring and provide an edge seal upon the cup-walls.

3. A paint-brush having a flat cup-sealing ring in a circumferential groove in the hub or head and having a circumferential bead to provide a convex surface to automatically effect and maintain a sealing function upon the surface of the cup-walls in any position of the ring.

4. A paint-brush having a cup-sealing ring of rubber fitted upon its head or hub and adapted to support the brush and cause the

circumferential edge of said ring to maintain the sealing function upon the surface of the walls of the cup whether the brush be suspended in a vertical or in an inclined position.

- 5 5. A holder for a paint-brush consisting of a cup for containing a fluid and having its open end terminating in flaring walls and a flat ring fitted on the head or hub of the brush and having a diameter to cause it to main-

tain a sealing function upon the flaring walls in any position of the ring.

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

CHARLES ADRIAN HARRIS.

Witnesses:

JOHN C. DEWITT,
M. A. STICKNEY.