

No. 610,103.

Patented Aug. 30, 1898.

C. W. TAYLOR.
MUCILAGE HOLDER.

(Application filed Apr. 27, 1898.)

(No Model.)

Fig. 1.

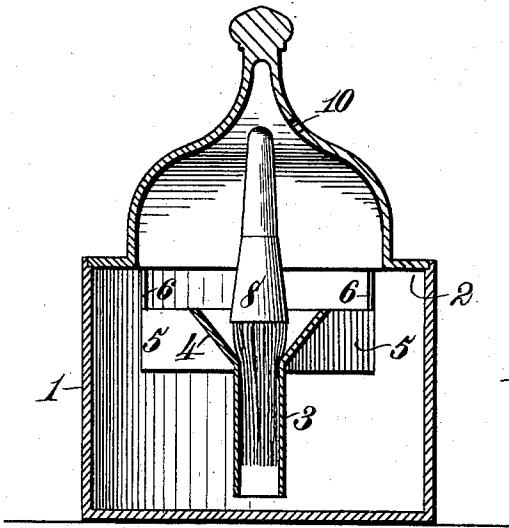


Fig. 2.

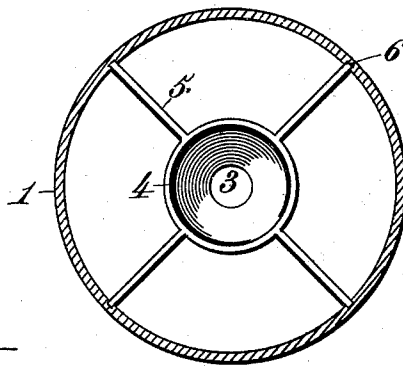


Fig. 3.

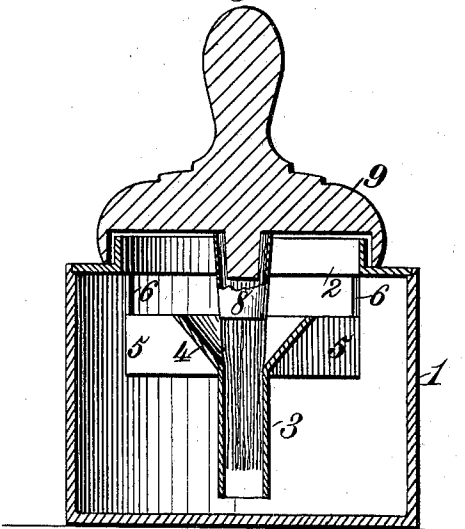
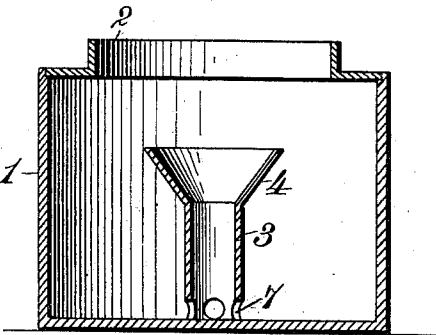


Fig. 4.



Witnesses.

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Inventor.

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UNITED STATES PATENT OFFICE,

CLARENCE W. TAYLOR, OF SIOUX CITY, IOWA.

MUCILAGE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 610,103, dated August 30, 1898.

Application filed April 27, 1898. Serial No. 679,017. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE W. TAYLOR, a citizen of the United States, residing at Sioux City, in the county of Woodbury and State of Iowa, have invented new and useful Improvements in Mucilage-Holders, of which the following is a specification.

This invention relates more especially to mucilage-holders, and includes improvements that are adapted likewise to receptacles or holders for liquid glue, paints, or other semiliquids requiring the use of a brush and suitable provision for protection from evaporation and the access of dust and dirt.

One object of my invention is to provide an improved holder or receptacle that will, even in its hurried use, more practically avoid risk of the mucilage, glue, or paint coming into contact with and soiling the neck or mouth of the receptacle and so that application of its contents shall be limited to the interior of the vessel and lower end of the brush, which shall, when in place, be held erect by a brush-receiver adapted by capillary attraction to keep the brush moist, pliable, and ready for instant use just as long as there is any watery or liquid portion of the contents remaining.

It is another object of my improvements to provide a holder in which any surplus of mucilage or other liquid may readily be removed from the brush at a point sufficiently below the mouth, neck, or top of the holder to limit the mucilage or other liquid to the interior of the vessel and to only a portion of the length of the brush and to so fix the point of dip by the aid of a brush-receiver and the force of capillary attraction between the brush and the interior of said receiver as that the brush while held in the receiver shall be always properly primed, free from accumulation of surplus liquid, and be clean and ready for instant use.

Other purposes and advantages of my invention will appear from the novel features of construction and combination of parts in a holder or receptacle for mucilage, glue, paint, and other brush-applied liquids, as hereinafter more particularly set forth.

In the annexed drawings, illustrating the invention, Figure 1 is a central vertical section of a mucilage-holder embodying my improvements. Fig. 2 is a horizontal section of the same between the brush-receiver and the

mouth of the holder or mucilage-receptacle. Fig. 3 is a central vertical section showing the brush as fastened to and removable with the cover of the holder. Fig. 4 is a central vertical section of one form of holder in which the brush-receiver is made integral with the cup or mucilage-receptacle.

The cup 1 or receptacle for mucilage, glue, paint, or other semiliquid may be made of glass or any other suitable material and may have any required dimensions and any form, design, or configuration suited to the purposes to which the holder is to be applied. It is preferable that the cup be made with an ample base, so that it cannot be easily overturned. It has also a very wide mouth or neck portion 2, preferably quite or nearly the same diameter as the body portion of the cup, especially in that form of holder in which the brush is separate from the cover.

Within the cup 1 and well below the mouth 2 there is a brush-receiver 3 of tubular form and having a hollow cone-head or funnel-shaped entrance 4 at the top, the lower body portion of said receiver being perfectly cylindrical for the whole of its length below the funnel-shaped-receiver entrance.

As shown in Figs. 1, 2, and 3, the upper part of the brush-receiver may be provided with a plurality of laterally-extended arms 5, adapted to rest in grooves 6 in the sides of the cup 1 or be otherwise engaged therewith, so as to support the receiver 3 in such manner that its lower open end will be above but near to the bottom of the cup and its upper end below the cup-mouth and wholly disconnected therefrom.

Instead of removably supporting the brush-receiver 3 it may be fixed to or made integral with the cup 1 in any convenient or appropriate manner or as shown in Fig. 4, where the said receiver is represented as attached to the cup-bottom and provided with openings 7 at or near the tube-bottom, through which the mucilage may flow.

It may be preferable to have the brush separate, as in Fig. 1, or it may have its handle attached to or formed as a part of the cover 9, as shown in Fig. 3. Where the brush is separate, it is preferable to make the cup 1 and its cover 9 both of pressed glass, and the holder may be finished with ornamental

effects. For a cheaper mucilage-holder the cover may be made of wood or comparatively inexpensive material and may have the brush permanently attached, so as to be removable with the cover. In form and dimensions the cover is adapted to fit the neck or mouth of the cup with sufficient closeness to protect the cup contents from the action of the air and from entrance of dust and dirt, and the height of the cover at its center is such as to permit it to inclose the separate brush when inserted in the receiver. If desired, a vent may be provided at any suitable point in the cover for escape of gases generated by chemical action, as when the holder and its contents remain unused for a length of time.

It will be seen that through the cone-shaped portion 4 of the brush-receiver the brush is easily inserted into the cylindrical portion 3 and is thus held erect with the brush end immersed in the liquid at the bottom. The cylindrical receiver portion 3 is of such reduced diameter that it will be filled from side to side by the inserted brush, so that capillary attraction between the brush and receiver-walls will be greatly promoted. Even when there is only a small quantity of liquid in the holder the brush will be kept moist and pliable by capillary attraction between the brush and the closely-adjacent inner wall of the tubular receiver. In withdrawing the brush any surplus of liquid is automatically wiped off and drains back from the funnel 4 and through the tube 3 into the holder, and the brush-handle is kept always clean and free from gumming. So, too, as the inserted brush is held erect by the receiver and this is located centrally and below the mouth of the holder and wholly out of contact therewith there is no soiling or clogging of the neck of the vessel, which is always kept free from contact of the vessel's contents. The flaring rim of the funnel-shaped brush-receiver may be conveniently employed as a temporary rest for the brush if it is desired to lay it aside for an instant without redipping. Thus the convenient employment of the brush is facilitated, so that it can be laid down and taken up again without recharging and with no danger of soiling the neck or mouth of the holder. Whenever the use of the brush requires frequent charging or the taking up of a large quantity of liquid material, it may be dipped into that part of the vessel which is outside the brush-receiver, as between the arms 5, for instance, and the edges of these arms afford surfaces that may be employed as wipers for removal of surplus material from the brush. The removal of surplus material by wiping the brush against either the rim of the funnel 4 or edges of the arms 5 is effected at a point so far below the mouth of the vessel that there is no liability of soiling its neck or mouth.

By reason of the form and location of the

brush-receiver the brush is retained in erect position when not in use and is thus kept clean, moist, pliable, and always ready primed, as by capillary attraction between the brush and receiver, even when there is only a small quantity of liquid in the vessel. In withdrawing the brush from the receiver it is automatically wiped or drained, so as to be readily capable of neat, clean, and effective use.

The funnel-shaped top of the receiver is especially adapted to permit easy and quick insertion of the brush and direct it into the cylindrical receiver portion, the diameter of which is relatively small enough to promote capillary attraction between said tube and the vertically-confined brush. Obviously the form and construction of the brush-receiver may be varied within proper limits without departing from the principles of my invention in the adaptability of this device for keeping the erectly-held brush ready primed by capillary attraction and for automatically removing excess of liquid as the brush is withdrawn. The form, dimensions, and design of the holder as an article of manufacture may be varied as desired, and any appropriate material may be employed in its construction.

What I claim as my invention is—

1. In a mucilage-holder, the combination with the cup or liquid-receptacle, of a brush-receiver having a cylindrical lower portion extended to near the bottom of the cup and a funnel-shaped upper end supported centrally below the mouth or neck of the cup and out of contact therewith, the said brush-receiver being thereby adapted to confine the erectly-held brush in such manner as to promote capillary attraction between said brush and cylindrical portion of the receiver and serve as a wiper and rest for the brush, substantially as described.

2. In a mucilage-holder, the combination with the cup or liquid-receptacle having a wide mouth, of a brush receiver and wiper consisting of a cylindrical lower portion extended to near the bottom of the cup and having a funnel-shaped upper end provided with a plurality of laterally-extended arms whereby the said brush-receiver is supported centrally below the mouth or neck of the cup and out of contact therewith, the cylindrical lower portion of the receiver being adapted to confine the brush in erect position and promote capillary attraction and its upper end serving as a wiper and rest for the brush, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CLARENCE W. TAYLOR.

Witnesses:

GRANT J. ROSS,
ORVILLE J. TAYLOR.