(No Model.)

W. H. PALMER & W. W. DAVIS.

MUCILAGE HOLDER.

No. 506,539. Patented Oct. 10, 1893.

Fig 1

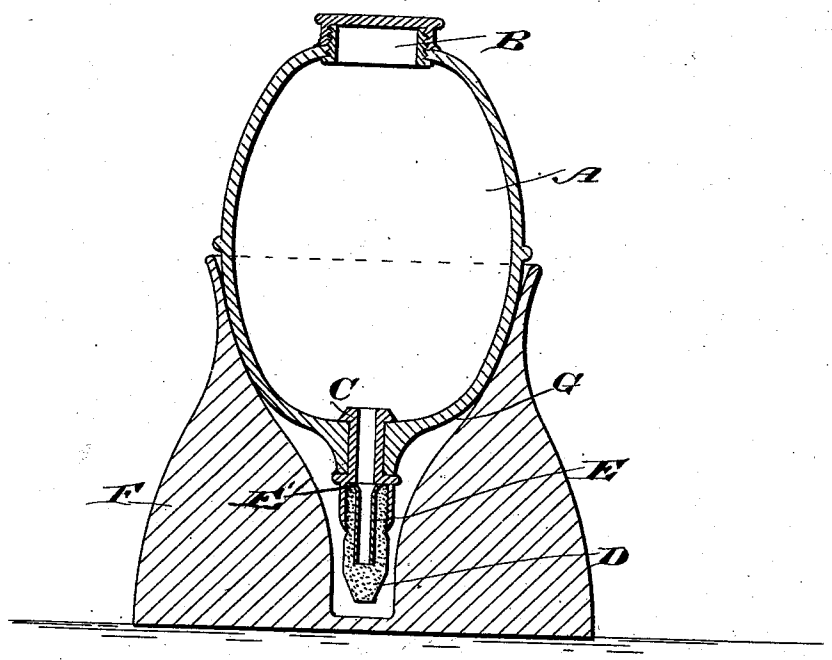


Fig 2

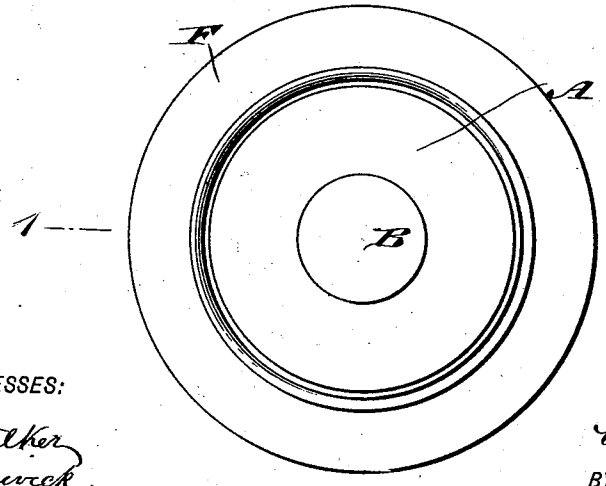
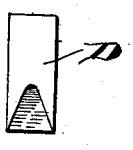


Fig 3



WITNESSES:

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WILLIAM H. PALMER AND WALTER W. DAVIS, OF WARREN, PENNSYLVANIA.

MUCILAGE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 506,539, dated October 10, 1893.

Application filed August 26, 1892. Serial No. 444,228. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM HENRY PALMER and WALTER WHITNEY DAVIS, both of Warren, in the county of Warren and State of Pennsylvania, have invented a new and Improved Mucilage-Holder, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved mucilage holder, which is simple and durable in construction, prevents the mucilage from drying up, and is arranged to readily and conveniently discharge and apply the mucilage on the article to be gummed.

The invention consists of certain parts and details, and combinations of the same, as will be hereinafter described and then pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a sectional side elevation of the improvement on the line 1—1 of Fig. 2. Fig. 2 is a plan view of the same; and Fig. 3 is a side elevation of the discharge nozzle.

The improved mucilage holder is provided with a compressible bulb A, made of rubber or other suitable material and provided at one end with a filling cap B, for filling the mucilage into the bulb A. On the other end of the latter is secured a tube C, preferably made of metal and containing at its outer end a discharge nozzle D, made of felt and preferably screwing in the outer end of the said tube, the latter being threaded for this purpose so as to securely hold the nozzle D in place. The nozzle is made of felt or similar material and contains a short pipe E, which extends from the inner end of the nozzle to within a short distance of the outer end thereof, as plainly illustrated in Fig. 1. The inner end of the pipe E is provided with a flange E′, so as to form a mouth which registers with a central opening in the tube C. The outer end of the discharge nozzle D is preferably cut to an edge for flattening opposite sides as plainly illustrated in Fig. 3. The cap B—is fitted by means of a screw onto the filling opening of the bulb A—, air tight.

The felt nozzle while permitting the mucilage to ooze slowly through it when used assists in closing the tube so that in consequence of the same and the tight fitting cap, the mucilage is held in the bulb until forced out; as in the construction, when in a state of rest the mucilage cannot escape without forming a vacuum at the top of the bulb.

It will be seen that when the bulb A is filled with mucilage and a slight pressure is exerted on the bulb, then the mucilage is forced through the tube C into the pipe E and from the latter into the outer end of the felt nozzle D, so that the latter is moistened by the gum and can be readily applied upon the article to be gummed, by moving the said nozzle over the part to be gummed.

In order to prevent the gum contained in the nozzle D from drying up, I place the holder on a stand F, during the time the holder is not used, the said stand F being formed in its top with a recess G, the upper end of which is engaged at the sides by the lower part of the bulb A, so that the latter hermetically seals the said recess, thus preventing air from passing to the lower end of the bulb containing the nozzle D. It will further be seen that this stand F conveniently supports the mucilage holder and permits the operator or user to conveniently remove the holder from the stand when using the holder for gumming an article. It will further be seen that the operator does not soil the hands when applying the mucilage by this holder, nor when the latter is filled with mucilage through the filling cap B, as above described.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

1. The herein described discharge nozzle consisting of a body of compact felt having a metallic tube bedded in its upper end, substantially as described.

2. The combination with the compressible bulb, of the nozzle pipe having its outer end

interiorily threaded, and the felt held in place within the pipe by engagement with said threads, substantially as described.

3. The combination with the compressible bulb, of the nozzle pipe having its outer end interiorily threaded, and the felt held in place by engagement with said threads, the said felt having a metallic tube within the portion engaging said threads, substantially as described.

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Witnesses:
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