(No Model.)

J. E. WOOTTEN.

MUCILAGE CAN.

No. 382,746. Patented May 15, 1888.

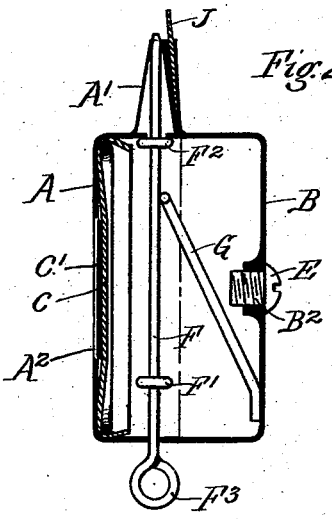

Fig. 2.

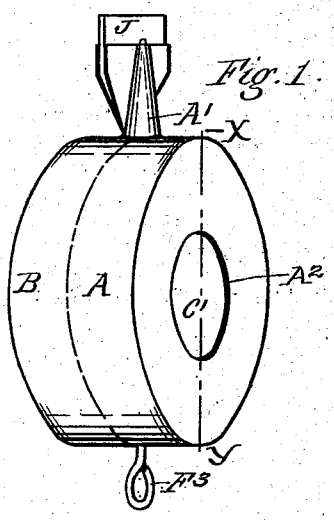

Fig. 1.

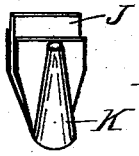

Fig. 3.

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MUCILAGE-CAN.

SPECIFICATION forming part of Letters Patent No. 382,746, dated May 15, 1888.

Application filed January 7, 1888. Serial No. 260,096. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. WOOTTEN, a citizen of the United States, residing at Reading, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Mucilage-Cans; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to a can intended to hold mucilage or other liquid without permitting its evaporation or deterioration on account of exposure to the air or possible leakage when not in use, yet adapted to discharge an easily-regulated amount of the inclosed liquid when desired, and provided with a means of evenly distributing it over any desired surface.

Figure 1 is a perspective view of a can, showing the features of my invention, and made in the form of a hollow disk adapted to be carried in the pocket, if desired. Fig. 2 is a section through X Y of Fig. 1. Fig. 3 is a perspective view of a removable brush.

The can is formed of two parts pressed out of sheet metal and subsequently united. The one part, A, is provided with a cone-shaped discharge-nozzle, A′. A valve-stem, F, formed of suitable wire, with a curled hand-hold, F^3, is pushed snugly through an opening in the periphery directly opposite the nozzle until its point closes and projects slightly beyond the latter. Stops F′ and F^2 are then fastened at suitable points on the stem to prevent it from being withdrawn or forced too far through the nozzle. A spring, G, is soldered to the inside face and bent upward, so as to press against the valve-stem. The part A has a central opening, A^2, in its face. A rubber disk, C, is pressed down and securely held by means of a wire ring against the inner face, forming a flexible air-tight lining. A metallic disk, C′, which may be the punching from opening B′, is cemented centrally to this lining. To the side of the nozzle is secured a suitable brush, which may consist of a flexible material—such as sheet-rubber—clamped or cemented between sheet-metal plates H, reaching to the top of the nozzle, the flexible material projecting any desired distance beyond it. An air-vent is not needed, as the flexible lining, preferably of rubber, readily adjusts itself to varying atmospheric pressure. The part B is shown with a central tapped hole, B^2, which is filled by a screw, E.

Fig. 3 shows a removable brush substantially as described above, but secured to a sheath, K, adapted to fit snugly over the cone-shaped nozzle A′, which latter is in this case free from any projections such as shown in Fig. 1.

The operation of the device is as follows: When provided with opening B^2, the can may be filled through it or through the nozzle A′. In either case the disk C′ may be pressed inward and allowed to suck in the fluid as it returns to its normal position. The screw E being in position and the valve closed, the can is perfectly tight. When the valve is pulled back against the stop F′, the nozzle is wide open; but it will be held in any position by the spring G, and a slight pressure on the disk C′ will force the liquid onto the brush J, by which it may be evenly and quickly distributed in a layer of uniform width. When it is desired to vary the width of the layer, the removable brushes may be used. The projecting valve prevents clogging at the outlet.

The disk C serves to distribute the pressure over a large surface of the lining, thus displacing considerable liquid with but a small movement, and by covering the lining under the opening A^2 serves to protect it from injury and also to improve the appearance of the can.

I am aware that cans with flexible sides are in common use; also with discharge-nozzles closed by external valves extending into said nozzles; also that mucilage-holders have been provided with flexible distributers; and I do not claim to cover a flexible ball provided with diametrically-opposite valves, such as shown in Patent No. 233,238.

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

1. A can provided with a discharge-nozzle and having an open face with flexible interior lining, said lining having secured thereto an inflexible disk, substantially as set forth.

2. The combination, with a can having a flexible side and a discharge-nozzle, of a valve having a straight stem extended through the wall of the can opposite said nozzle and its

point adapted to close and extend slightly beyond the nozzle, substantially as set forth.

3. The combination, with the can having a flexible side, a discharge-nozzle, and a valve adapted to close said nozzle and having a straight stem extended through the wall of the can, of a spring adapted to press upon said stem and adapted to hold said valve open or shut, as desired, substantially as and for the purpose set forth.

4. The combination, with a can having a discharge-nozzle and a valve adapted to close and extend beyond said nozzle, of a brush secured to said nozzle and adapted to receive and distribute the contents of said can, substantially as set forth.

5. The combination, with a can having a discharge-nozzle and a valve adapted to close and extend beyond said nozzle, of a brush or brushes adapted to be removably secured to said nozzle, substantially as and for the purpose set forth.

6. In combination with a can having a discharge-nozzle, a brush consisting of a flexible material secured to a sheet-metal back integral with a sheath and adapted to be removably secured to said nozzle, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN E. WOOTTEN.

Witnesses:
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C. J. DWIGHT.