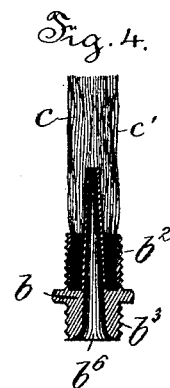
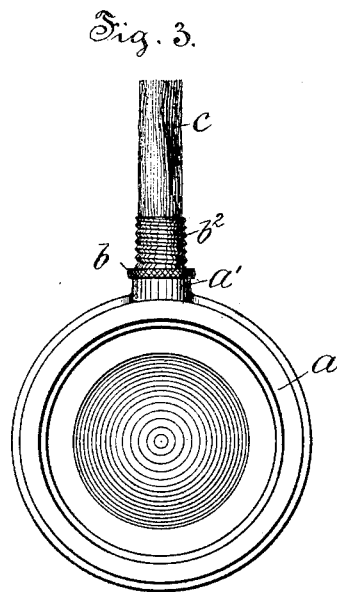
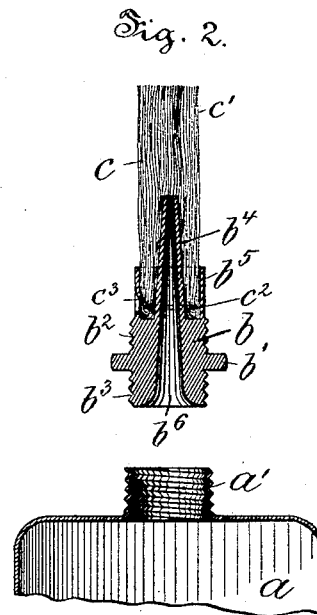
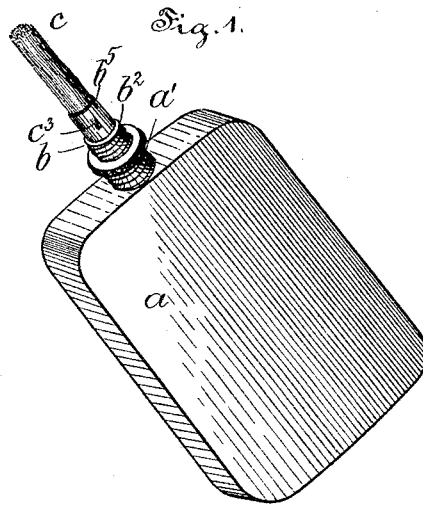


(No Model.)

A. J. INGRAHAM.
CAN AND SPREADING DEVICE.

No. 453,639.

Patented June 9, 1891.



Witnesses:
Hermann Bormann.
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UNITED STATES PATENT OFFICE.

ARTHUR JOSEPH INGRAHAM, OF PHILADELPHIA, PENNSYLVANIA.

CAN AND SPREADING DEVICE.

SPECIFICATION forming part of Letters Patent No. 453,639, dated June 9, 1891.

Application filed March 14, 1891. Serial No. 385,009. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR JOSEPH INGRAHAM, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Mucilage-Fountains and Envelope-Moisteners, of which the following is a specification.

My invention relates in general to mucilage-fountains and envelope-moisteners, and more particularly to certain improvements in the construction and arrangement of the parts thereof.

The principal objects of my present invention are, first, to provide a combined reservoir or can and brush for applying mucilage to various articles and for moistening stamps, envelopes, and other gummed articles, and in which the brush when in use projects outside of the can or reservoir and when not in use may be readily inserted into the can or reservoir, so as to close the same and so as to keep the brush soft, clean, and in good condition for subsequent use, and, second, to attach the brush and the nozzle firmly together and in such manner that the brush and nozzle may be readily inserted into and withdrawn from the can or reservoir.

My invention consists of a can or reservoir provided with a reversible longitudinally perforated and tapering nozzle having an annular brush secured thereto and adapted to be fitted into the mouth of the can in such manner that the brush may be located within the can or reservoir, and also in such manner that the brush may extend beyond the can or reservoir for use.

My invention further consists of a longitudinally-perforated nozzle provided with a lip or skirt and having an annular brush interposed and secured to place between the flange or skirt and nozzle, whereby the brush may be inserted into the can and the flange or skirt fitted into the mouth thereof, and my invention further consists in the improvements in mucilage-fountains and envelope-moisteners, hereinafter described, and particularly pointed out in the claims.

The nature and characteristic features of my present invention will be more fully understood from the following description, taken

in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is a perspective view of a can of generally rectangular shape embodying features of my invention and showing the nozzle and brush in position for use. Fig. 2 is a central section, on an enlarged scale, of the upper portion of the can and of a reversible longitudinally-perforated nozzle adapted to be fitted in the mouth of the can and having a brush attached thereto by means of a ring secured to place by lugs struck up from a flange or skirt. Fig. 3 is a side elevation of a circular can embodying features of my invention and showing the brush and nozzle in position for use. Fig. 4 is a central section, on an enlarged scale, of the nozzle illustrated in Fig. 3, showing the brush attached between the nozzle and skirt or lip by means of pitch or other suitable adhesive material.

In the drawings, *a* is a can provided with a mouth *a'*, adapted for the reception of a reversible nozzle *b*. The mouth *a'* of the can *a* is represented in the drawings as being internally threaded or tapped in order to form a tight joint between the mouth and nozzle; but the threads may, if preferred, be dispensed with, in which case the mouth *a'* would be finished so as to fit tightly upon the nozzle. The nozzle *b* comprises a body portion *b'*, provided on both sides thereof with externally threaded or tapped nipples *b²* and *b³*, respectively, a tubular tapering projection *b⁴*, and a skirt or lip *b⁵*.

b⁶ is a tapering passage or channel extending through the body *b'*, nipples *b²* and *b³*, and projection *b⁴*.

c is an annular brush, preferably formed, as shown in Figs. 1 and 2, by folding or doubling each of the bristles *c'* at or near its center portion around a ring *c²*. This brush, Figs. 1 and 2, is secured to place upon the nozzle *b* by first inserting the ring between the lip *b⁵* and projection *b⁴*, and then striking up the lugs *c³* from the lip, whereby the brush is firmly attached to place.

Figs. 3 and 4 illustrate a brush formed and secured to place upon the nozzle *b* by embedding the respective bristles *c'* thereof in pitch or other suitable adhesive material packed between the nozzle *b* and lip or skirt *b⁵*.

In use the nipple *b³* is fitted or screwed into

the mouth *a'* of the can *a*, so that the liquid contained therein may flow through the passage or channel *b'*, and thus moisten the brush *c*. If the device is intended to be used for
 5 applying mucilage, the can *a* is filled with mucilage, and if the apparatus is to be used as a moistening device the can *a* is filled with water or other suitable fluid.

When the apparatus is not in use, the nozzle *b* is removed from the mouth *a'* of the can, reversed or turned end for end, and the nipple *b²* is screwed or fitted into the mouth *a'* of the can, so that the brush extends into the liquid or fluid and is kept soft and clean and
 15 the liquid is prevented from escaping through the passage or channel *b'* of the tubular tapering projection *b⁴*, while the brush *c* is within the body of the can *a*, which has been found in practice to be due to the weight of
 20 the body of liquid or fluid pressing against the brush and the reduced or tapering forward extremity of the projection *b⁴* of the nozzle *b*.

It may be remarked that the lip or skirt *b⁵*
 25 not only affords a convenient means for attaching the bristles *c'* together to form the brush *c*, but also protects the latter when it is being inserted into the can *a*. Moreover, this lip or skirt *b⁵* prevents the bristles *c'*
 30 from adhering to the interior walls of the mouth *a'* when mucilage or other adhesive

fluid is the liquid employed, thus insuring the ready removal of the reversible nozzle *b* at all times.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the can or reservoir *a*, provided with the mouth *a'*, the longitudinal perforated nozzle *b*, provided with the body portion *b'*, having formed integral therewith on both sides thereof externally-threaded nipples *b²* and *b³*, the tubular tapering projection *b⁴*, and the brush *c*, having the bristles thereof suitably embedded between said projection *b⁴* and nipple *b²* of said nozzle, substantially as and for the purposes described. 45

2. The combination of a can or reservoir having a mouth, a longitudinally-perforated nozzle provided with a lip or skirt, a brush 50 mounted on a ring interposed between the lip and nozzle, and lugs struck up from said lip and engaging said ring, substantially as and for the purposes described.

In witness whereof I have hereunto set my signature in the presence of two subscribing witnesses. 55

ARTHUR JOSEPH INGRAHAM.

Witnesses:

HERMANN BORMANN,
 RICHARD C. MAXWELL.