

(No Model.)

A. C. HARRINGTON.

FOUNTAIN BRUSH FOR MUCILAGE OR OTHER LIQUIDS.

No. 379,463.

Patented Mar. 13, 1888.

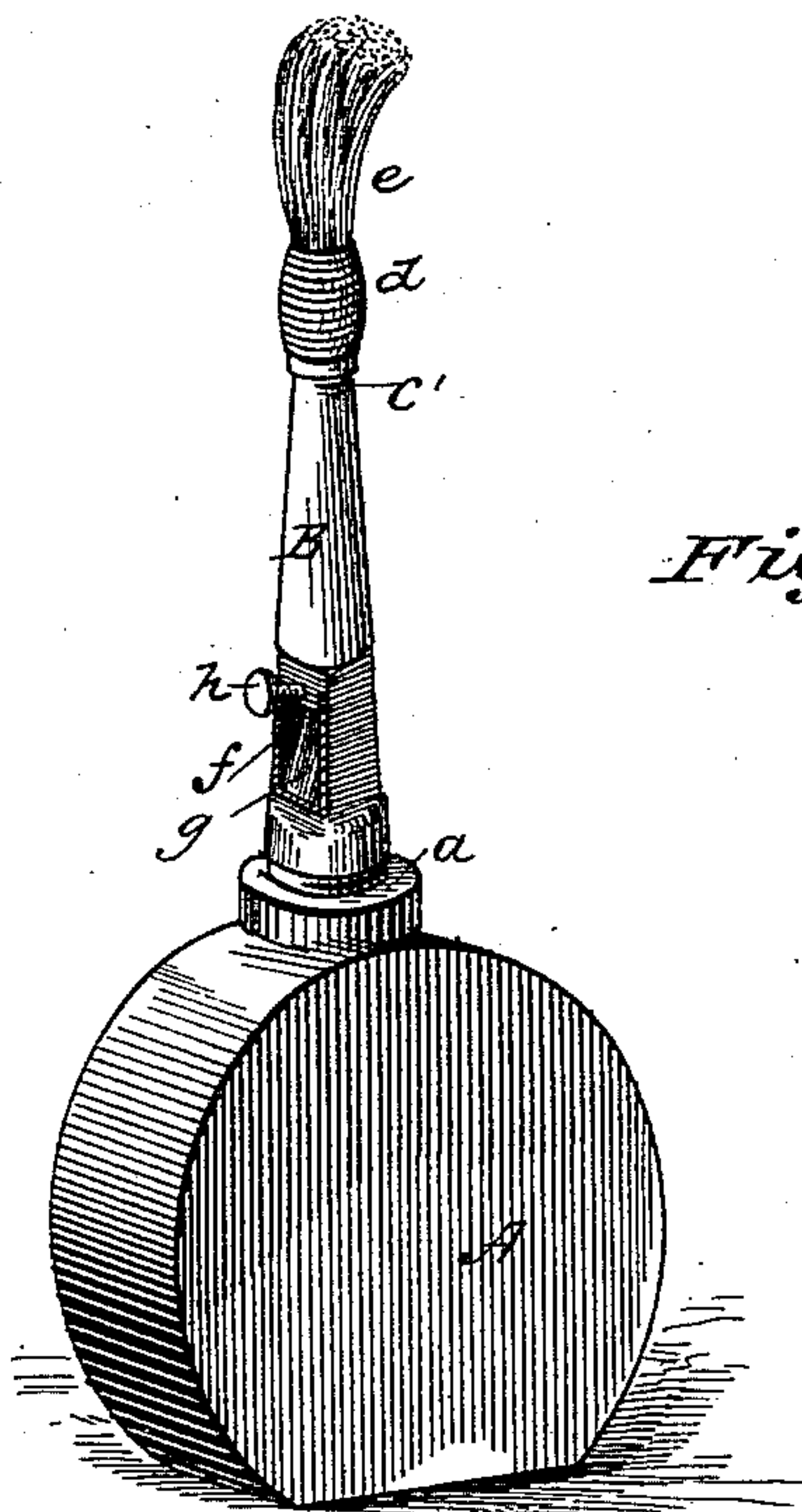


Fig. 1.

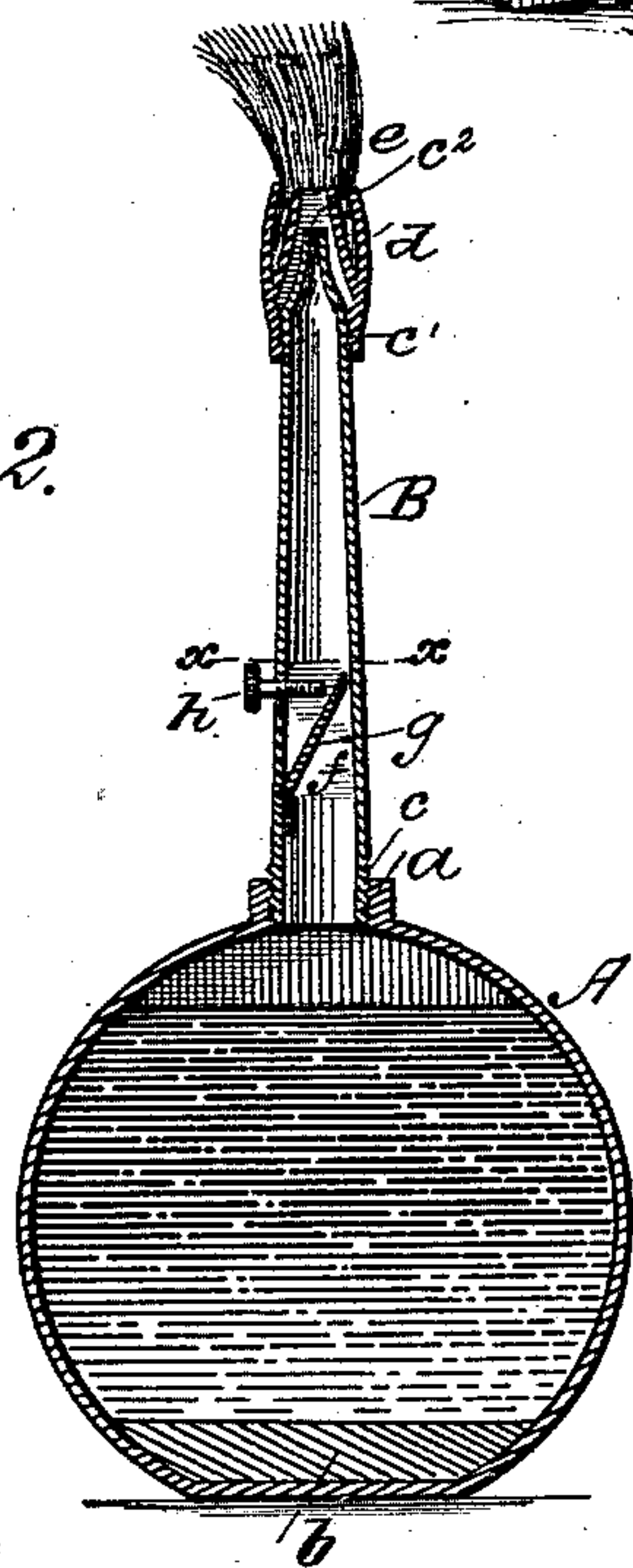
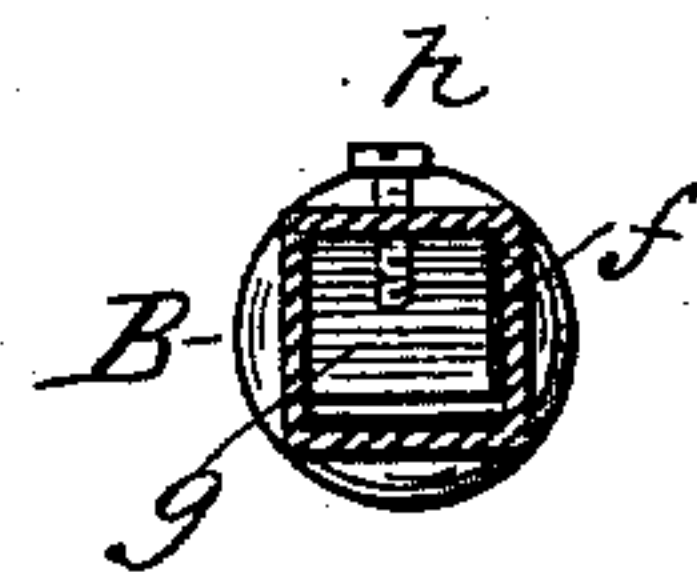


Fig. 2.

Fig. 3



WITNESSES:

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ALLAN COLLINS HARRINGTON, OF RICHMOND, VIRGINIA.

FOUNTAIN-BRUSH FOR MUCILAGE AND OTHER LIQUIDS.

SPECIFICATION forming part of Letters Patent No. 379,463, dated March 13, 1888.

Application filed March 18, 1887. Renewed January 27, 1888. Serial No. 262,171. (No model.)

To all whom it may concern:

Be it known that I, ALLAN COLLINS HARRINGTON, a citizen of the United States, at present residing in Richmond, in the county of Henrico and State of Virginia, have invented a new and useful Improvement in Fountain-Brushes for Mucilage and other Liquids, of which the following is a specification.

This invention relates to improvements in fountain-brushes for mucilage, &c.; and it consists in the special features of construction and the combination and arrangement of parts, as will hereinafter be fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view. Fig. 2 is a vertical longitudinal section, and Fig. 3 is a cross-section on line *xx* of Fig. 2.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents a cup or reservoir of any desired shape, preferably cylindrical, and formed of sheet metal or other suitable material. This reservoir is provided with a screw-threaded opening, *a*, at the top, and is flattened at the bottom and weighted, as shown at *b*, so as to keep the device in an upright position when not in use.

B is a tube, having a screw-thread, *c*, at one end, for connection with the cup or reservoir. Near the opposite end the tube is contracted, and is provided with screw-threads *c'*, for the attachment of the screw-threaded brush holder or socket *d*. To this socket *d* is attached the brush *e*. The bristles are fastened around the inner surface of the tubular socket, and the small end *e'* of the tube B passes into the center of the brush.

The interior of the tube B is flattened on the sides, forming a chamber, *f*, square in cross-section, in which the spring-valve *g* works. This valve is fastened at one end to the tube B, its free end, when the valve is closed, bearing upon the side of the tube. This valve

controls the flow of mucilage from the reservoir to the brush. The valve is opened by pressing upon the reservoir or cup, the liquid under the pressure forcing the valve open and passing to the brush. When the pressure is removed, the valve springs to its place. A set-screw, *h*, regulates the extent to which the spring-valve opens. The valve can be readily adjusted to suit liquids of different degrees of density and to prevent the passage of too much of the mucilage to the brush.

The different parts of the device can be separated, when desired, for cleaning, &c.

The operation of the device can be readily understood from the description taken in connection with the drawings. The reservoir A is filled with the mucilage or other liquid through the opening *a*. The valve-tube B and the brush are then placed in position and the set-screw properly adjusted. On pressing on the sides of the cup or reservoir the mucilage will pass from the reservoir through the valve-tube and out to the brush.

Having thus described my invention, I claim—

1. In a fountain-brush for mucilage and other liquids, the combination, with a reservoir for containing the liquid, of a tube, through which the liquid passes to a brush, and a spring-valve located within said tube, which opens when pressure is applied to the reservoir and closes when the pressure is removed, substantially as described.

2. In a fountain-brush for mucilage and other liquids, the combination, with a reservoir, of a feeding-tube, a brush, a spring-valve, which is located within said tube, as shown and described, and a set screw for regulating the movement of the valve, substantially as herein set forth.

ALLAN COLLINS HARRINGTON.

Witnesses:

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