

No. 717,251.

H. P. McMILLAN.
FOUNTAIN BRUSH.

Patented Dec. 30, 1902.

(No Model.)

(Application filed Oct. 29, 1902.)

Fig. 1.

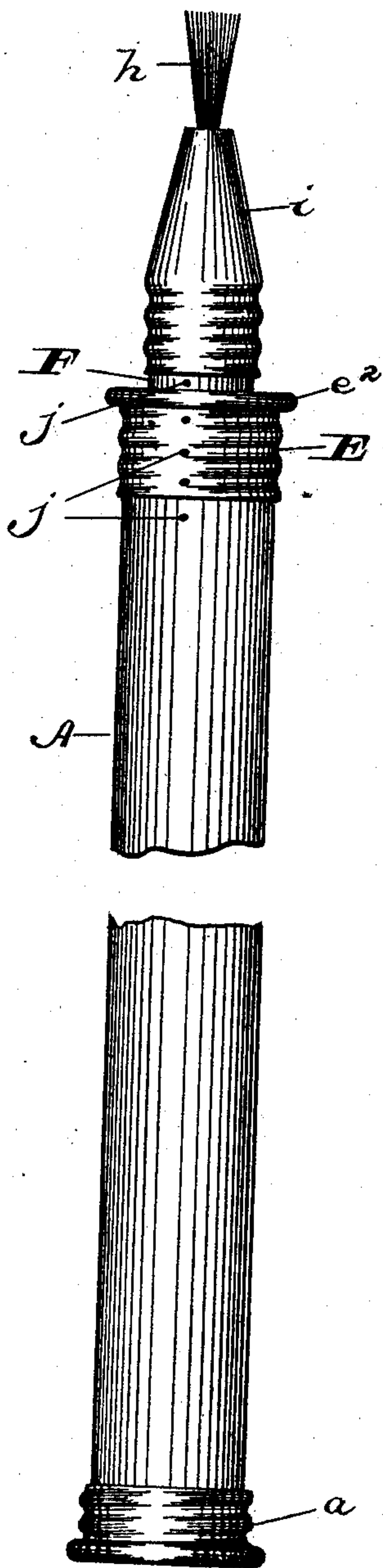
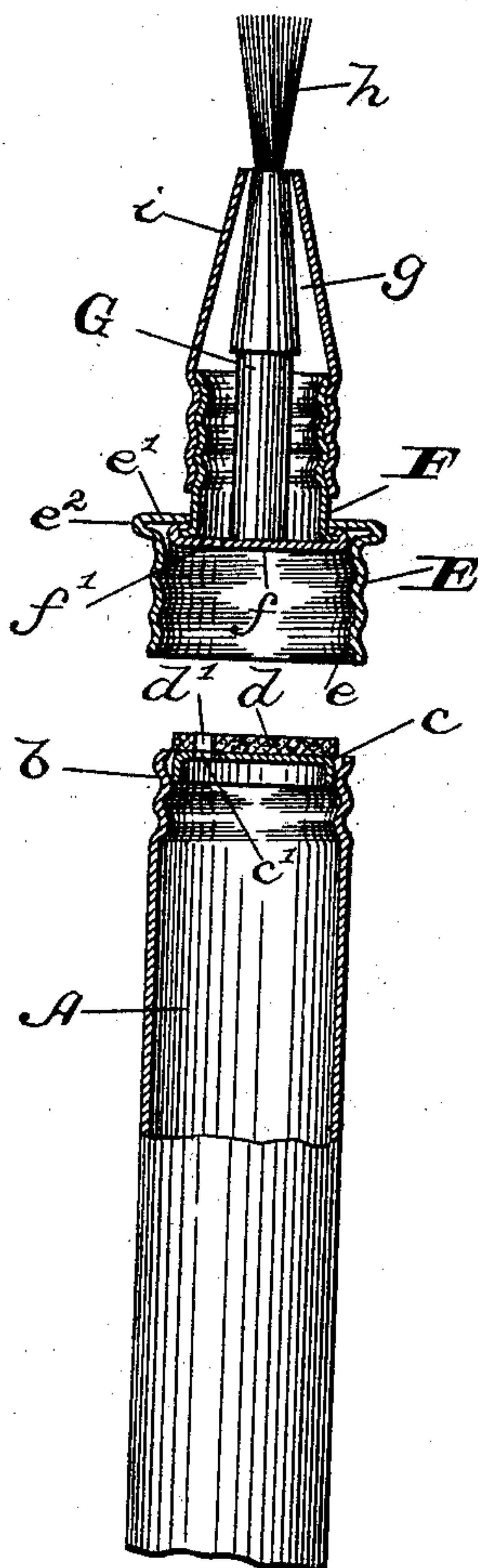


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

HUGH P. McMILLAN, OF BALTIMORE, MARYLAND.

FOUNTAIN-BRUSH.

SPECIFICATION forming part of Letters Patent No. 717,251, dated December 30, 1902.

Application filed October 29, 1902. Serial No. 129,183. (No model.)

To all whom it may concern:

Be it known that I, HUGH P. McMILLAN, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a specification.

This invention relates to improvements in fountain-brushes for marking, painting, or staining and other purposes; and the invention consists in the novel construction and combination of parts, as will be hereinafter described, reference being had to the accompanying drawings, in which—

Figure 1 illustrates an elevation of the device, and Fig. 2 a longitudinal section of same.

In the drawings, A designates a tube, which is preferably closed at one end by a screw-cap *a*, and at the other end said tube is provided with an exterior screw-thread *b*. In the present instance a cap *c* is suitably secured in the tube A and is provided with a port *c'*. It is obvious that the separate cap *c* may be dispensed with and the tube drawn so as to leave one end closed. A washer or disk *d*, of any suitable material, is rigidly secured on the exterior of said cap *c*, and this disk is provided with a port *d'*, which registers with the port *c'* in the cap.

A coupling E is provided with an internal screw-thread *e* and a flange *e'*, which projects inwardly at its upper edge. A bead *e²* is also formed in said coupling at its upper end for convenience in turning the same to screw it down onto the end of the tube A over the cap *c* and disk *d*.

An exteriorly-screw-threaded tube F has its lower end closed by a disk *f*, and said disk is provided with a port *f'*. This disk is larger in diameter than the tube and also larger than the opening in the top of the coupling E. The tube is inserted through the opening in the coupling, and the disk *f* takes against or beneath the flange *e'* on the coupling. It will thus be seen that the tube proper will pass through the opening in the coupling; but the disk *f* will not pass through said opening, and when the coupling is screwed down on the thread *b* of the tube A said disk will seat on the washer *d* and make a tight joint.

A stem G projects vertically from the center of the disk *f* up through the tube F, and

said stem supports a metallic furrule *g*, one end of which takes over said stem. The other end of said metallic furrule receives one end of a brush *h*. A tapering cap *i*, provided on its larger end with screw-threads, incloses the brush and furrule and screws on the tube F. By turning the cap *i* on the screw-threads one way or the other with respect to the tube F more or less of the brush may be exposed.

The operation is simple and as follows: The screw-cap *a* is removed and the liquid is filled into the tube A and the cap replaced. When the brush is to be used, the tube F is turned until the port *f'* in the disk *c* registers with the ports *c'* and *d'* in the cap *c* and disk *d*. This is accomplished by turning the tube until the marks *j* on the exterior of the tubes register or are in line. The brush is then inverted and the liquid will flow from the tube A through the ports *c'*, *d'*, and *f'* into the tube F. The liquid then flows down the tube F into the tapering cap *i* and around the circumference of the brush *h*. The flow of the liquid may be increased or diminished by turning the tube F so that the entire area (for full flow) or part of the area (for diminished flow) of the ports *c'*, *d'*, and *f'* register.

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

1. The combination with a receptacle closed at one end and at said end provided with a port; a packing secured to the closed end of said receptacle and also having a port; a disk secured so as to revolve with respect to said packing, said disk also having a port; a tube projecting from said revoluble disk; a stem supported by said disk; a brush supported by said stem, and a cap surrounding the stem and supported by said tube.

2. The combination with a receptacle provided at one end with a cap having a port; a coupling taking over said cap and secured to said receptacle, said coupling having an inturned flange; a disk secured by the flange of said coupling so as to revolve with respect to said receptacle, said disk having a port which is adapted to register with the port in said cap; a tube projecting from said revoluble disk; a brush, and a cap supported by said tube and opening around said brush.

3. The combination with a receptacle hav-

ing an exterior screw-threaded end; a cap
closing said end and having a port; a pack-
ing having a port which registers with the
port in said cap; a coupling having an in-
5 turned flange at one end and provided with
screw-threads which engage the threaded end
of said receptacle; a tube passing through
said coupling and secured by said inturned
flange; a disk on the lower end of said tube
10 and having position within said coupling and
provided with a port adapted to register with

the ports in said packing and cap, said disk
and tube being revoluble with respect to said
receptacle; a brush, and a cap secured to said
tube.

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

HUGH P. McMILLAN.

Witnesses:

CHARLES B. MANN, Jr.,
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