

T. N. Hickcox.

Mucilage Bottle.

Nº 58,417. Patented Oct. 2, 1866.

Fig: 1.

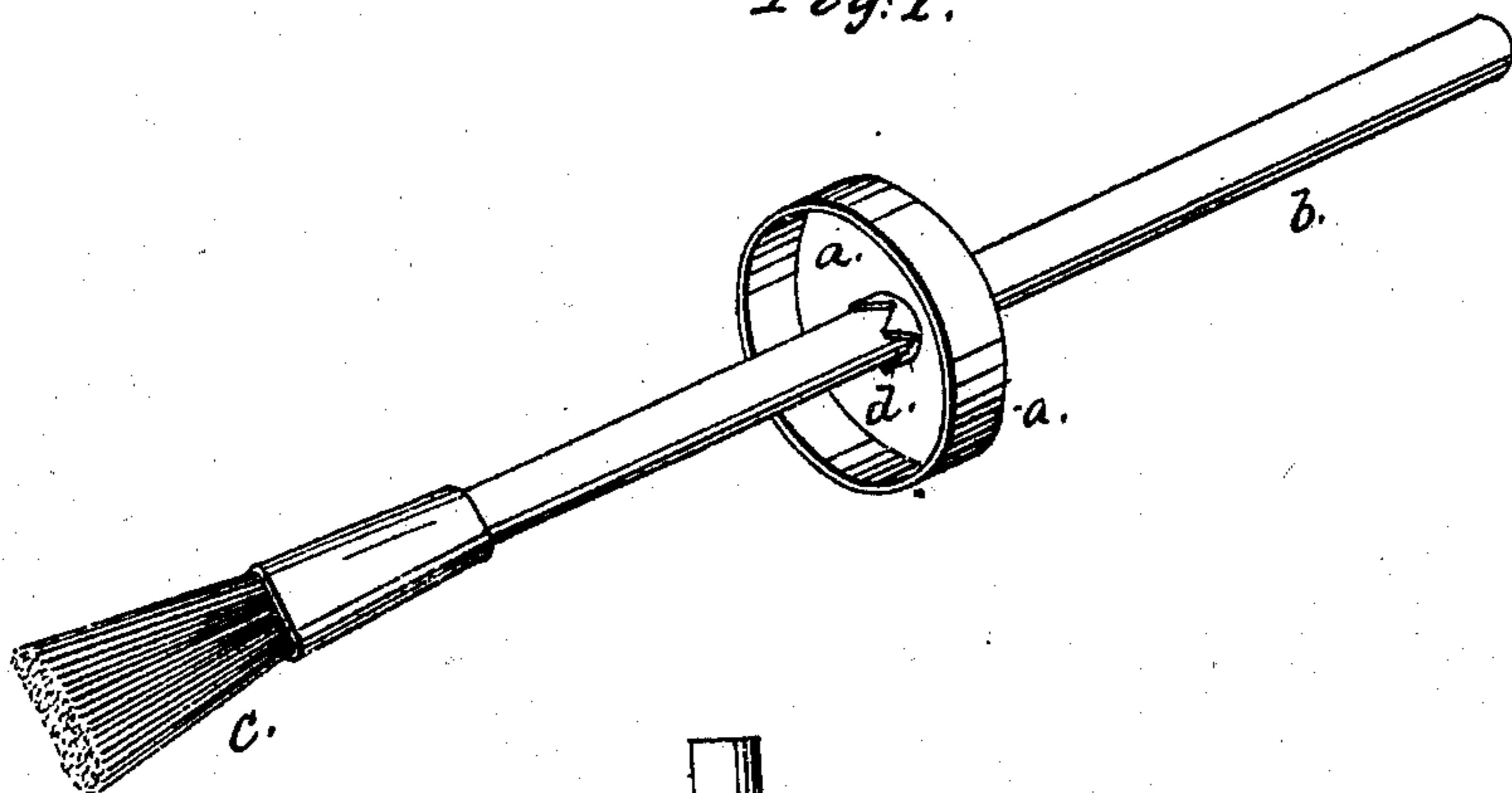
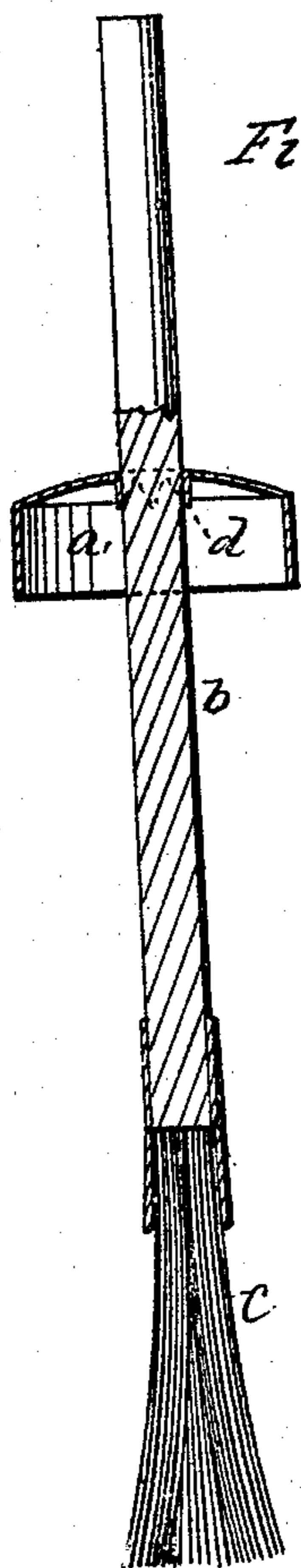


Fig: 2.



Witnesses
Chas. H. Smith
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UNITED STATES PATENT OFFICE.

THOMAS N. HICKCOX, OF BROOKLYN, NEW YORK.

CAP FOR MUCILAGE-BOTTLES.

Specification forming part of Letters Patent No. 58,417, dated October 2, 1866.

To all whom it may concern:

Be it known that I, THOMAS N. HICKCOX, of Brooklyn, in the county of Kings and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Caps for Mucilage-Bottles, &c.; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a perspective view of my improved cap upon the handle of a brush, and Fig. 2 is a section of said cap and brush-handle.

Similar letters denote the same parts.

Caps are required for bottles containing mucilage to keep out dust and prevent evaporation. The brush is usually within the bottle, and the handle passes through the cap. In order to allow the brush to reach the mucilage in the bottle as that is lessened in quantity by use from time to time, it is necessary that the brush-handle be movable through the cap in order that the brush may at all times be suspended by the cap and only dip slightly into the mucilage.

The caps heretofore constructed have had a screw-thread in the opening for the handle; but this is not convenient, because it is slow in its action, becomes clogged with the mucilage, and, being rigid, does not allow for any variation in the size of the handles of the brushes, and frequently the handles cannot be moved at all in said cap.

The nature of my said invention consists in a cap for mucilage-bottles formed of sheet-

metal, with a spring-flanged hole for the brush-handle, said spring-flange being formed from the sheet metal that is pressed back in forming the hole. This spring-flange around the hole for the brush-handle furnishes the friction necessary for suspending the brush, and allows the handle to be slid freely through said cap as required for its adjustment, and in case of being too loose it can be tightened by bending said spring-flange smaller, or the reverse, if required.

In the drawings, *a* is the cap, struck up from a disk of sheet metal into the desired form. In the central part of this cap is a hole for the handle *b* of the brush *c*. *d* is the spring-flange, formed by turning up and extending segments of the metal bent back to form the hole in the cap for the brush. This may be done by an angular-pointed punch to perforate the sheet metal, and produce radial incisions, so that the teeth or segments may be formed into a spring-flange by being stretched out by the punch within a cylindrical hole, for the purposes and as aforesaid.

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

The sheet-metal cap for mucilage-bottles, &c., formed with a spring-flanged hole for the brush-handle, as and for the purposes set forth.

In witness whereof I have hereunto set my signature this 4th day of May, A. D. 1866.

T. N. HICKCOX.

Witnesses:

GEO. D. WALKER,
CHAS. H. SMITH.