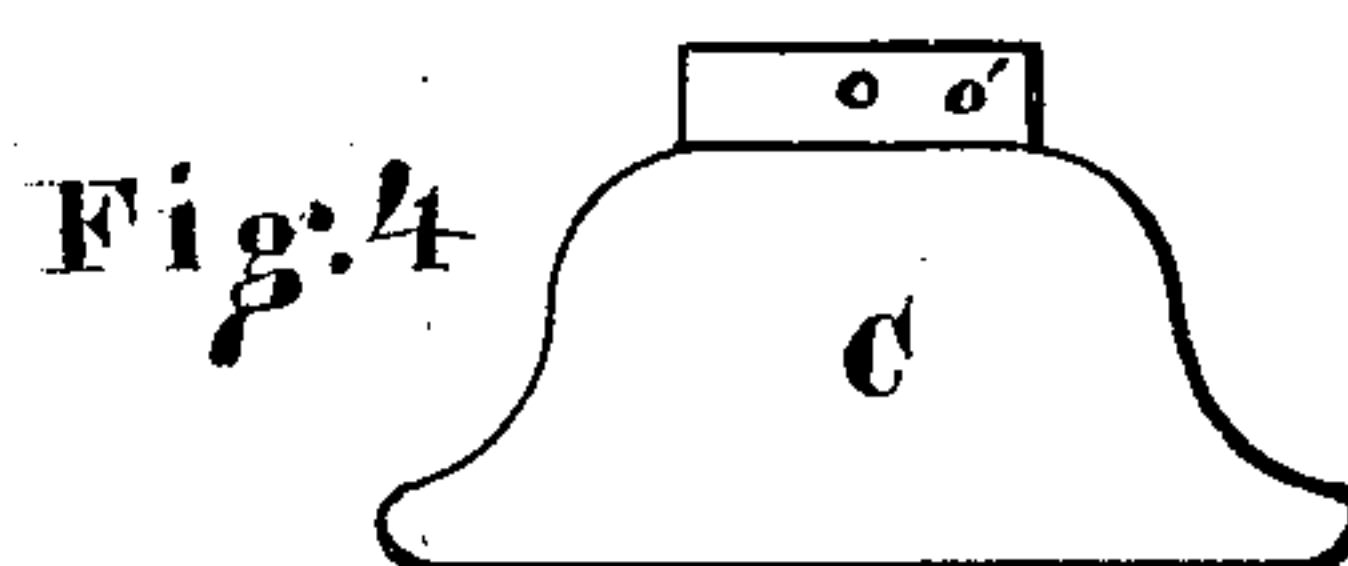
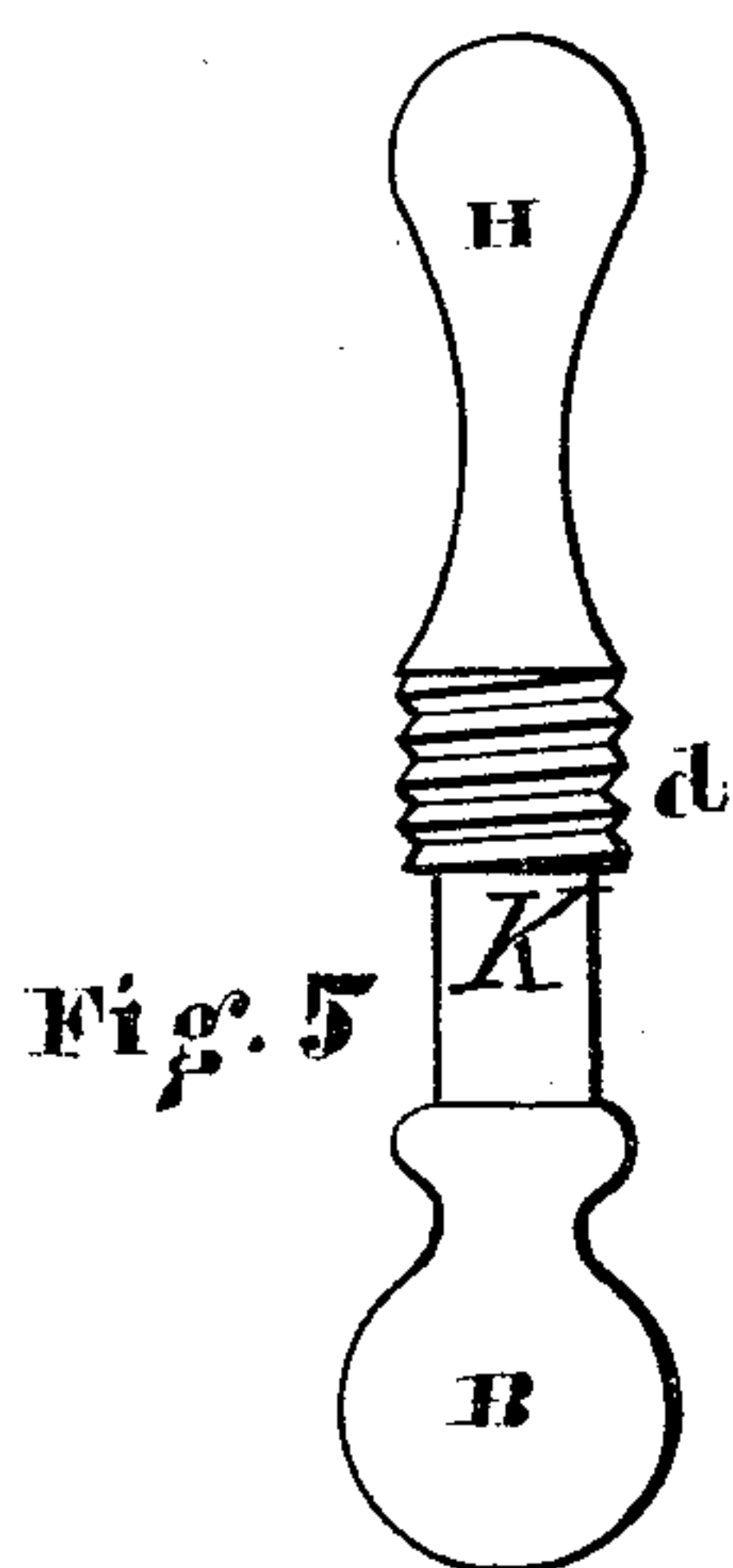
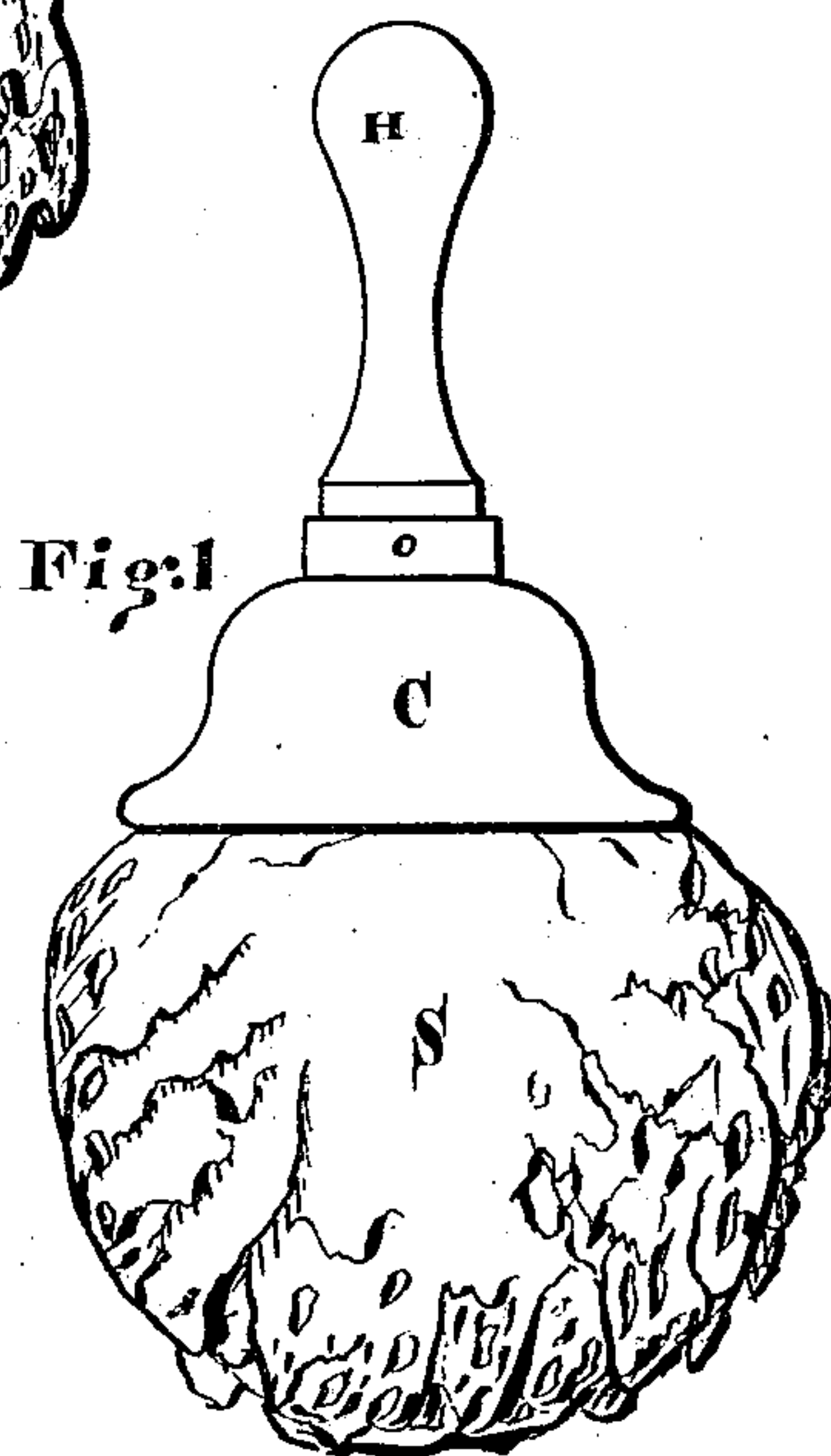
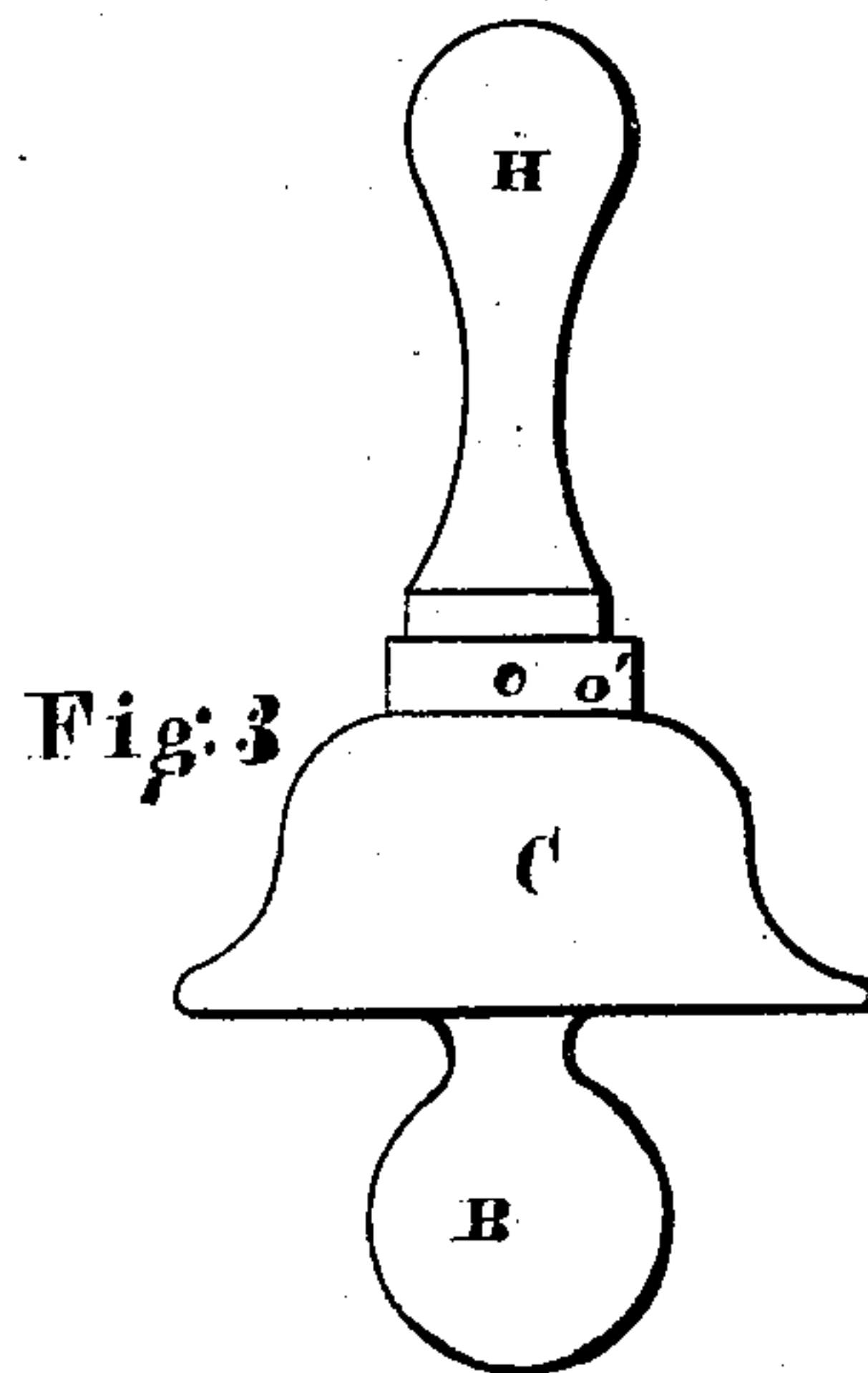
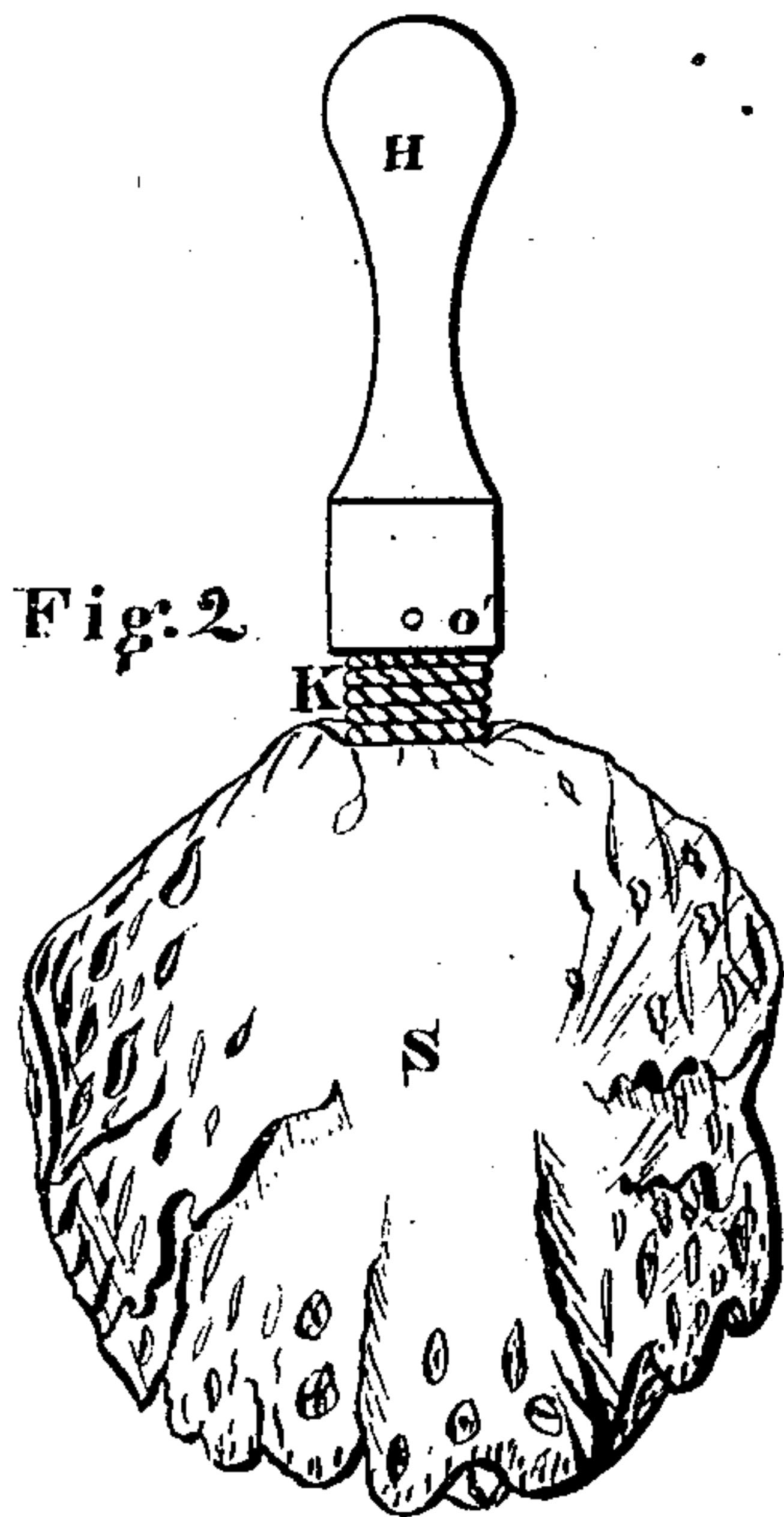


R. DeHAVEN.
SLATE-WASHER.

No. 189,033.

Patented April 3, 1877.



WITNESSES.

H. B. Gleason.
Peter B. Brothers.

INVENTOR.

Rhoads De Haven.
per
Benj. F. Parsons atty

UNITED STATES PATENT OFFICE.

RHOADS DE HAVEN, OF ROCHESTER, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENTS, TO ELIZA G. DE HAVEN AND EDWARD L. THOMAS, OF SAME PLACE.

IMPROVEMENT IN SLATE-WASHERS.

Specification forming part of Letters Patent No. **189,033**, dated April 3, 1877; application filed September 30, 1876.

To all whom it may concern:

Be it known that I, RHOADS DE HAVEN, of the city of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Slate-Erasers; and I do hereby declare the following to be a full, clear, and exact description of its construction and operation, sufficient to enable those skilled in the art to which it appertains to construct and make use of the same, reference being had to the drawings accompanying this specification, and to the figures and letters of reference marked thereon, in which like letters refer to like parts throughout this specification, and on which—

Figure 1 represents a side view of the invention. Fig. 2 represents the same with the cap C left off. Fig. 3 represents the rigid parts of the invention. Figs. 4 and 5 are details of the same.

My invention relates to an improvement in implements designed for schools, students, and others, for erasing slate or black-board marks; and its object is to rub off pencil-marks from slates, or chalk-marks from black-boards, without soiling or wetting the hand or fingers.

It consists in a combination of, first, a sponge or other fibrous or flaccid substance, attached by a peculiar wire, cord, or other fastening to, second, a rigid handle of gutta-percha or any other material, of preferred contour, and having, third, a removable inverted cup-shaped cap or covering, which will now be described.

In the drawings, Fig. 1 represents the completed invention, S being the sponge or other soft or pliable substance, attached by cord or wire to the shank K of the handle H, the same being for the purpose of providing a cushion for the lower part of the implement extended and enlarged into the bulb B. O O'

are pins securing the wire, attaching the sponge to the shank, and cap to the body of the handle.

To construct the invention the handle H is of any proportion, material, or contour, and the sponge compressed in the hand to and around the shank K, and fastened to the same by wrapping wire or cord closely to the same, and attaching the wire by a puncture, or to a previously-inserted projecting stub or lug, o. Then, the cap C, having an orifice at its apex, fitting the handle at o', is slipped or screwed over and down on the top of the sponge, and fastened by a pin through the same and handle at o', completing the invention for practice.

Its uses are to rub off or out slate-pencil or chalk or crayon marks from slate, black-board, or other surfaces, dampen dry substances, or surfaces, or plants, remove decayed or infectious matter from ulcers or wounds without taking the infection, and it may be used as a duster.

Having described the construction and operation of my invention in erasers and wound-cleaners, what I claim as my improvement, and for which I solicit Letters Patent, is—

The combination, in a slate-eraser, of the handle H, extended to form the shank K and bulb B, the sponge or other substance S, attached by wire or cord to the shank K, and the cap C, substantially as and for the purposes herein set forth.

In testimony whereof I have hereunto, in presence of these two witnesses, set my hand this 27th day of September, A. D. 1876.

RHOADS DE HAVEN.

Witnesses:

PETER B. BROTHERS,
FRANK KINGSLEY.