

J. KIDDER.

Improvement in Sponge-Holders for Electro-Medical Apparatus.

No. 116,197.

Patented June 20, 1871.

Fig. 1

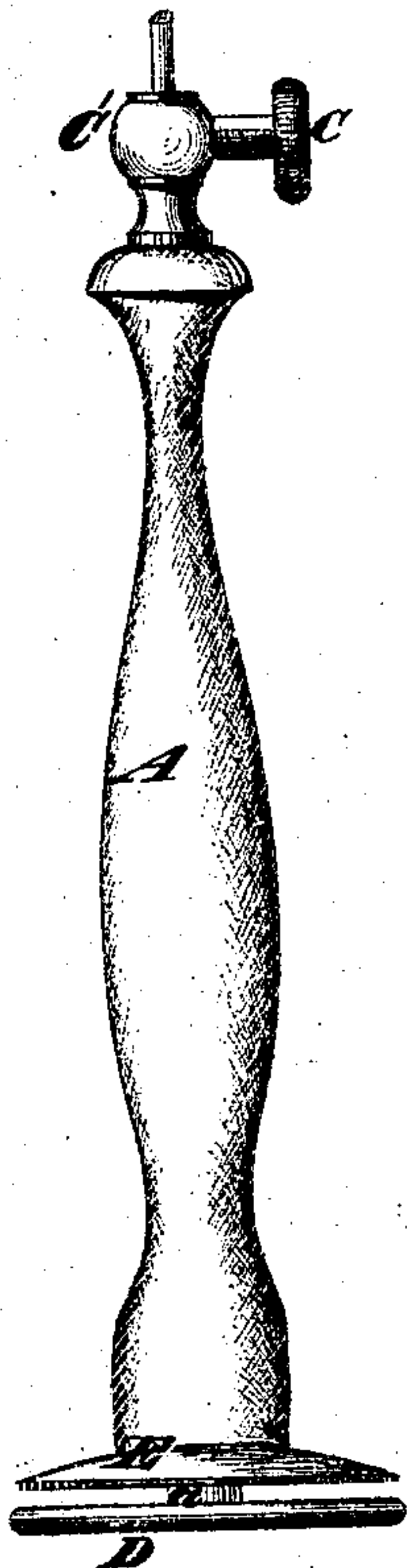
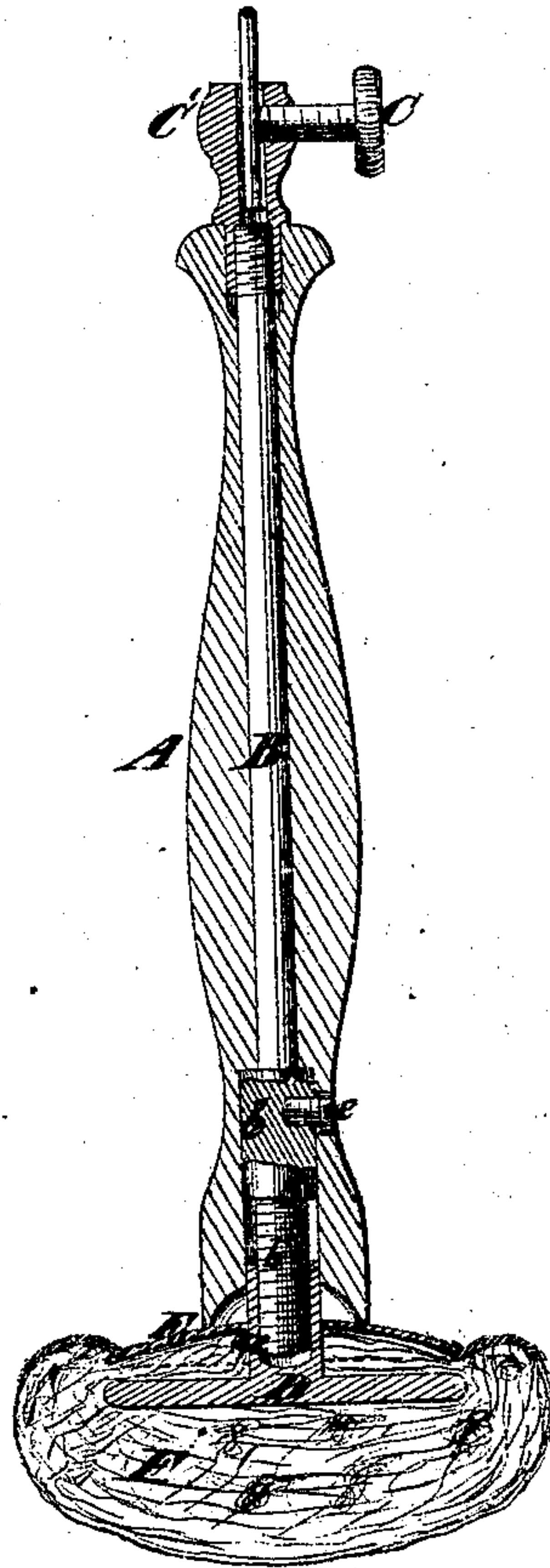


Fig. 2



Witnesses.
Fred Haynes
Fred Muech

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UNITED STATES PATENT OFFICE.

JEROME KIDDER, OF NEW YORK, N. Y.

IMPROVEMENT IN SPONGE-HOLDERS FOR ELECTRO-MEDICAL APPARATUS.

Specification forming part of Letters Patent No. 116,197, dated June 20, 1871.

To all whom it may concern:

Be it known that I, Dr. JEROME KIDDER, of the city, county, and State of New York, have invented a new and Improved Sponge-Holder for Electro-Medical Purposes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing forming part of this specification.

This invention consists in a novel construction of a holder for holding sponge or other absorbent material suitable for forming the moist pole of an electrical apparatus, whereby the said material is securely held, and the handle, which is usually made of wood, is protected from any moisture that may be expressed from the sponge, and is thereby prevented from becoming impaired, and whereby facility is afforded for packing in a small space in the case of a portable electrical apparatus.

In the accompanying drawing, Figure 1 is an outside view of my improved sponge-holder, and Fig. 2 is a central longitudinal section of the same.

Similar letters of reference indicate corresponding parts in both figures.

A is the handle of the holder, which is usually made of hard wood varnished on its exterior, and may be of any suitable shape. Extending longitudinally through the center of this handle is a metal conducting-rod, B, one end of which is screw-threaded for the attachment of the cup C' of the binding-screw C, by which the sponge-holder is connected with the terminal wire of the battery or other electrical apparatus. Near the other end of the said rod B is a boss, b, which is provided with a radial-tapped hole for the reception of a screw, e, by which the rod is rigidly secured within the handle. The end of the rod beyond this boss b is of larger diameter than the body of the rod, and has a screw-thread, b', formed on it for the attachment of the clamp. The cup C' of the binding-screw C has formed on its inner

end a screw-threaded socket, by which it is secured to the rod B. The clamp consists of a flat plate or head, D, of metal, having formed on its inner face a screw-threaded socket, a, which is screwed on the end of the rod B, and a loose plate, E, of metal, of concavo-convex form, having a central hole to fit the exterior of the socket, and arranged with its concave side toward the plate D. F represents a piece of sponge, showing the manner of securing it in the clamp.

To secure the sponge within the clamp the plate D is unscrewed from the rod B and a portion of the sponge is inserted between it and the plate E; the plate D is then screwed upon the rod B and made to clamp the sponge between itself and the plate E. The sponge-holder is attached by its binding-screw C to one of the terminal wires of the battery, and, by reason of the concave form of the plate E, if any moisture be expressed from the sponge during its manipulation, it is prevented from coming in contact with the handle and destroying its insulation. This sponge-holder, when used for holding chamois leather, or any other material which may be desirable to use, has such material applied and secured in the same way as the sponge, as hereinabove described. The sponge-holder clamping-plates D and E may be readily unscrewed, and so detached from the rod at b', for greater convenience of packing in a small space.

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

The sponge-holder, composed of an insulating handle, A, central conducting-rod B, and clamping-plates D and E, the whole combined substantially as and for the purpose herein set forth.

DR. JEROME KIDDER.

Witnesses:

HENRY T. BROWN,
FRED. HAYNES.