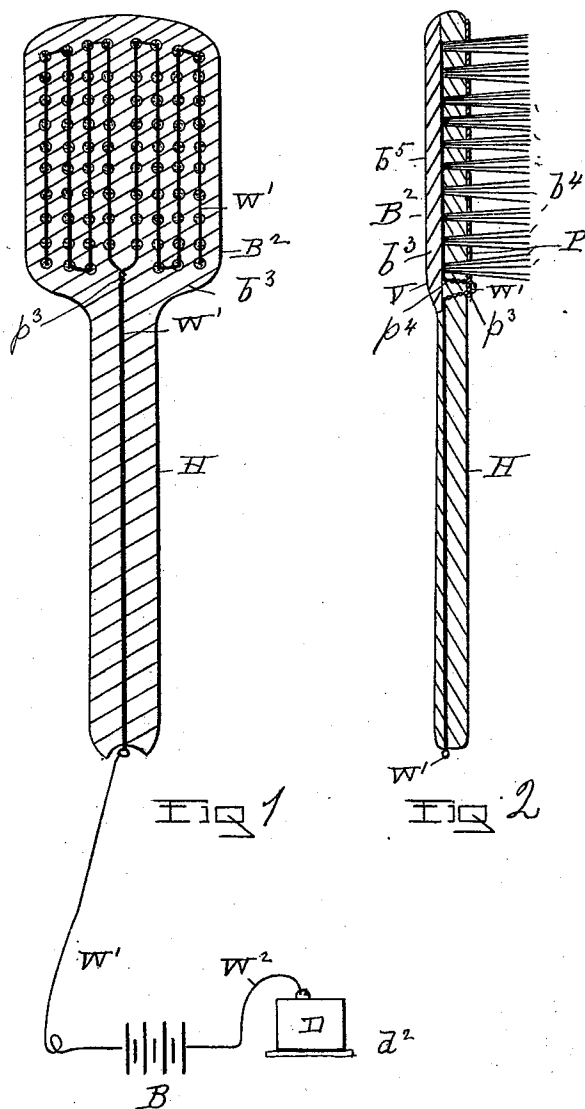


(No Model.)

A. L. SONN.
ELECTRIC BRUSH.

No. 534,529.

Patented Feb. 19, 1895.



WITNESSES

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ANSON L. SONN, OF LANSINGBURG, NEW YORK.

ELECTRIC BRUSH.

SPECIFICATION forming part of Letters Patent No. 534,529, dated February 19, 1895.

Application filed September 24, 1894. Serial No. 523,897. (No model.)

To all whom it may concern:

Be it known that I, ANSON L. SONN, of the village of Lansingburg, county of Rensselaer, and State of New York, have invented a new and useful Improvement in Electrical Brushes, of which the following is a specification.

My invention relates to electrical brushes, and a construction of them whereby they may be used in connection with water and a bath tub, or applied to different parts of the body dry; and my invention has for its object, by an improved construction of this class of devices their better adaptation to the uses for which they are designed.

In older devices of this class a battery and brush have been combined in one construction, and which from the necessitated condition of the latter limited and made difficult the application of the brush to different parts of the body. By my improvement the brush is made in a peculiar way and connects with one of the poles of the battery while the other pole is placed in one of the user's hands with the brush handled by the other; or as made it may be used by placing a metal plate (connecting with the pole of the battery) into a bath containing water, while the brush is applied to the body by the bather.

Accompanying this specification to form a part of it there is a sheet of drawings containing two figures illustrating my invention, with the same designation of parts used in all of them.

Of the illustrations Figure 1 is a transverse section taken through the brush and handle and showing the brush as connected with a battery. Fig. 2 is a cross section taken vertically from end to end.

The several parts of the brush thus illustrated are designated by letters of reference and the function of the parts is described as follows:

The letter B designates a battery of any form that will generate a moderate current.

W' and W² designate the wires leading from the battery to the metal plate D, and to the brush B². To adapt this brush to the uses for which it is designed it is constructed as follows: b³ designates the body of the brush, preferably made of wood, which is bored to receive the securing ends of the bristles b⁴. b⁵ designates the brush back and H the brush handle. The letter P designates a metal plate which is perforated for the passage of the

bristles, and secured to the bristle face of the brush. The wire W' runs from the battery through the handle H by means of a groove made in the back of the handle, which groove is covered by a veneer V. This wire W' passes through the handle from the back of the latter at p³, to connect with the perforated metal plate P, and is then at p⁴, returned through the body and is in continuity carried through the looped bunches of the bristles, where passed through the brush and is then returned through the handle to connect with the battery.

The apparatus thus illustrated is used as follows: The plate D is held in one of the hands of the person using the apparatus and the brush is applied to the body by the other hand, when used dry. When it is desired to be used in connection with a bath tub, the plate D is placed upon the tub bottom with its insulated side d², resting on the tub bottom, and the brush is applied to the body by the bather, the water completing the circuit, as a conductor.

I disclaim a metallic perforated plate P, apart from its uses as a part of the circuit.

As thus made an electrical brush becomes a very useful device for all purposes in which a mild electrical current is advantageous.

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

The combination with a brush having a handle and body made of wood, and a metal plate perforated for the passage of the bristles upon the bristle side of the brush, of a wire constituting one pole of a battery connected at one of its ends to the latter, and at its other end passing through the brush handle to connect with the inner ends of the bristles, then passed through the brush body to connect with the metallic plate on the bristle side of the brush, and then back through the brush body to connect with itself; and a wire connecting the other metallic plate with a battery, constructed and arranged to be operated, substantially in the manner as and for the purposes set forth.

Signed at Troy, New York, this 14th day of June, 1894, and in the presence of the two witnesses whose names are hereto written.

ANSON L. SONN.

Witnesses:

CHARLES S. BRINTNALL,
W. E. HOGAN.