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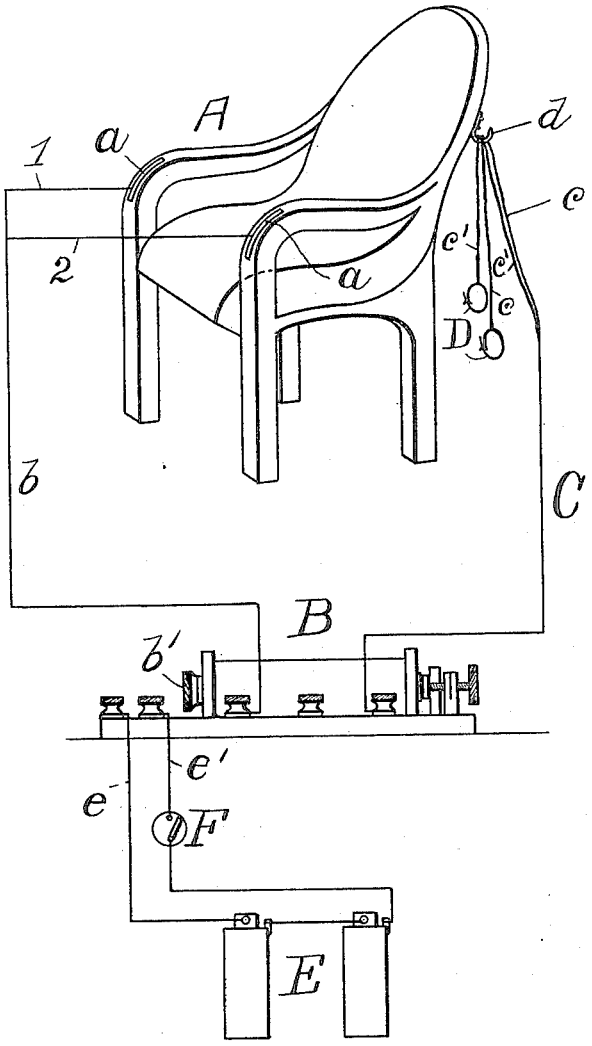
H. C. DOERSCH & D. W. CRANSTON.

ELECTRIC SHAMPOO APPARATUS.

(Application filed Oct. 11, 1899.)

(No Model.)



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UNITED STATES PATENT OFFICE.

HENRY C. DOERSCH AND DAVID W. CRANSTON, OF NYACK, NEW YORK.

ELECTRIC SHAMPOO APPARATUS.

SPECIFICATION forming part of Letters Patent No. 649,917, dated May 22, 1900.

Application filed October 11, 1899. Serial No. 733,337. (No model.)

To all whom it may concern:

Be it known that we, HENRY C. DOERSCH and DAVID W. CRANSTON, citizens of the United States, and residents of Nyack, in the county of Rockland and State of New York, have invented certain new and useful Improvements in Electric Shampooing Apparatus, of which the following is a specification, reference being had to the accompanying drawing, forming part thereof, in which similar letters and figures of reference indicate corresponding parts.

This invention relates to an improved electric shampooing apparatus, the object thereof being to provide an efficient means for applying a current of electricity to the scalp of a person by the agency of a barber or other operator while treating the scalp of the subject for the purpose of strengthening, drying, and assisting the growth of hair.

The invention will be hereinafter fully described, and specifically set forth in the annexed claims.

In the accompanying drawing our invention is illustrated by a single diagrammatic view shown partly in perspective.

In the practice of our invention we employ, primarily, a barber's chair A of adapted contour and construction. Upon each arm of the chair is placed a metallic plate *a*, composed of zinc or analogous metal. These two plates are in electrical connection with an induction-coil B by means of a wire conductor *b*, having branches 1 and 2 leading, respectively, to the plates *a* and in electrical connection with said plates. Leading from the opposite pole of the induction-coil B is a wire conductor C, which has extended branches *c* and *c'*, having zinc bracelets D attached to their respective ends. These two branches are normally suspended from a hook *d*, which is secured to the back of the chair A. The bracelets D are preferably composed of zinc; but it is obvious that other analogous material may be employed, if desired.

As a means for supplying the electric current batteries E are in electrical connection with the induction-coil B through the medium of wire conductors *e* and *e'*, and a switch F is interposed between the batteries and the induction-coil for the purpose of turning the current off and on as the operator may desire.

The induction-coil B is provided with an ordinary sliding rod *b'* to be employed for the purpose of graduating the intensity of the current.

In the operation and use of the apparatus the subject to be operated upon sits in the chair A and places each hand upon a plate *a*. The operator then adjusts the bracelets D to his respective right and left hand wrists and turns on the current at the switch F. Then by contact of his hand with the scalp of the patient a circuit is established and the electric current is communicated to the scalp of the patient for the purpose of treating him in a manner well known in the art of applying electric currents. When the treatment is completed, it is simply necessary to turn off the current at the switch F and hang the branches *c* and *c'* of the conductor C over the hook *d*, thus placing the apparatus in a position for the reception of another patient.

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

1. As an apparatus for applying a current of electricity to the body, the combination of an induction-coil, a source of electrical supply and a chair having metallic plates thereon for contact with a patient, the induction-coil located between the source of supply and the chair and being connected electrically to the said plates by means of a conductor, and a conductor connected to the other pole, having bracelets thereon for engagement with the arms of an operator, whereby the circuit may be made by contact of the patient with the said plates and the operator, substantially as shown and described.

2. In an electric shampooing apparatus, the combination of a source of electric supply, an induction-coil, and a chair having contact-plates thereon, and a conductor in electrical engagement with said contact-plates through the medium of one pole of the battery, and a

conductor having bracelets thereon, in connection with the other pole of the battery, and an interposed switch for turning the current off and on, substantially as shown and described.

In testimony that we claim the foregoing as our invention we have signed our names, in presence of two witnesses, this 9th day of October, 1899.

HENRY C. DOERSCH.
DAVID W. CRANSTON.

Witnesses:
RICHARD E. CRANSTON,
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