

No. 669,336.

Patented Mar. 5, 1901.

H. BEHRENDT.

METHOD OF LOCAL APPLICATION OF ELECTRIC TREATMENT TO THE HUMAN BODY.

(Application filed Sept. 18, 1900.)

(No Model.)

Fig. 1.

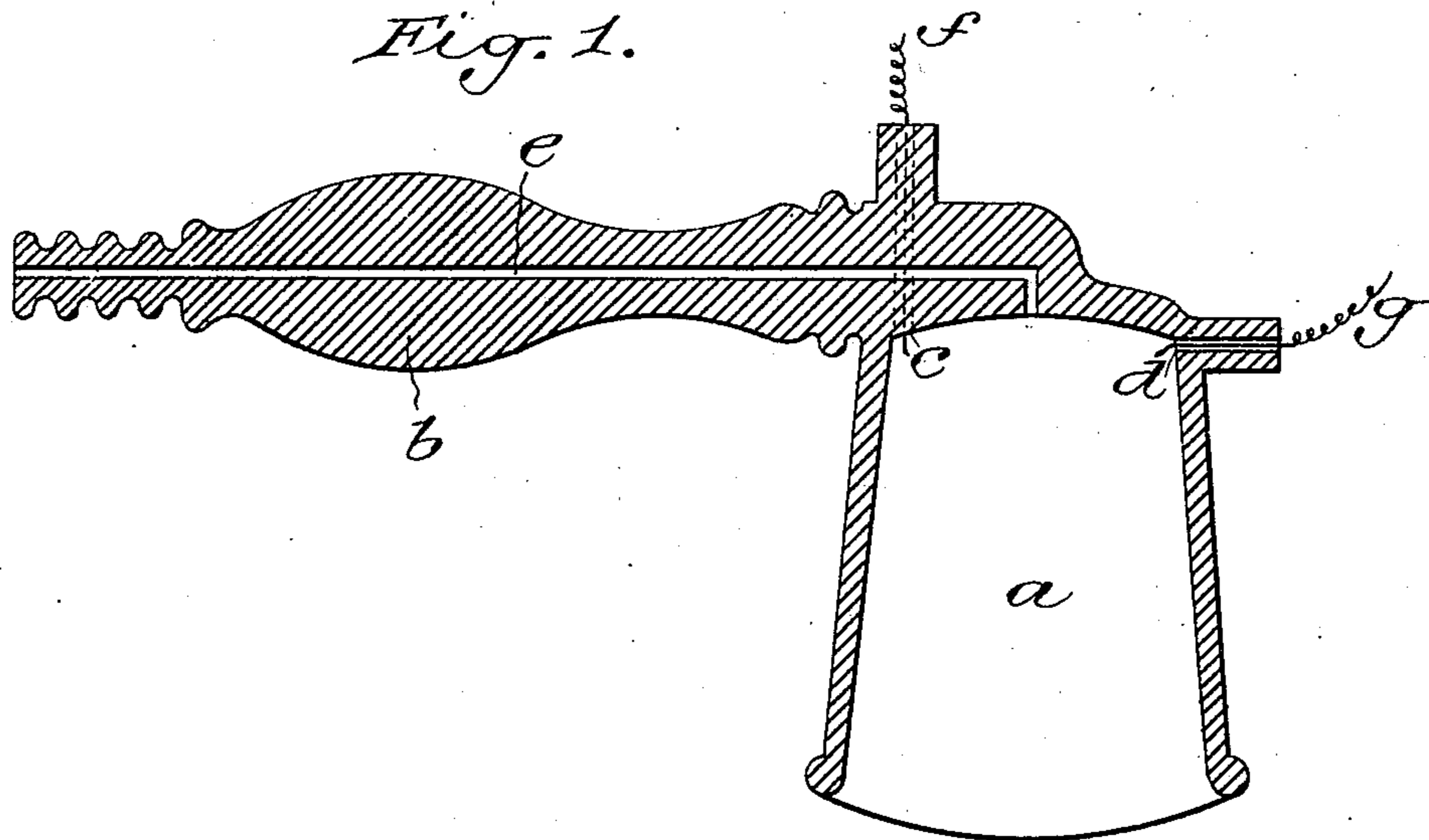
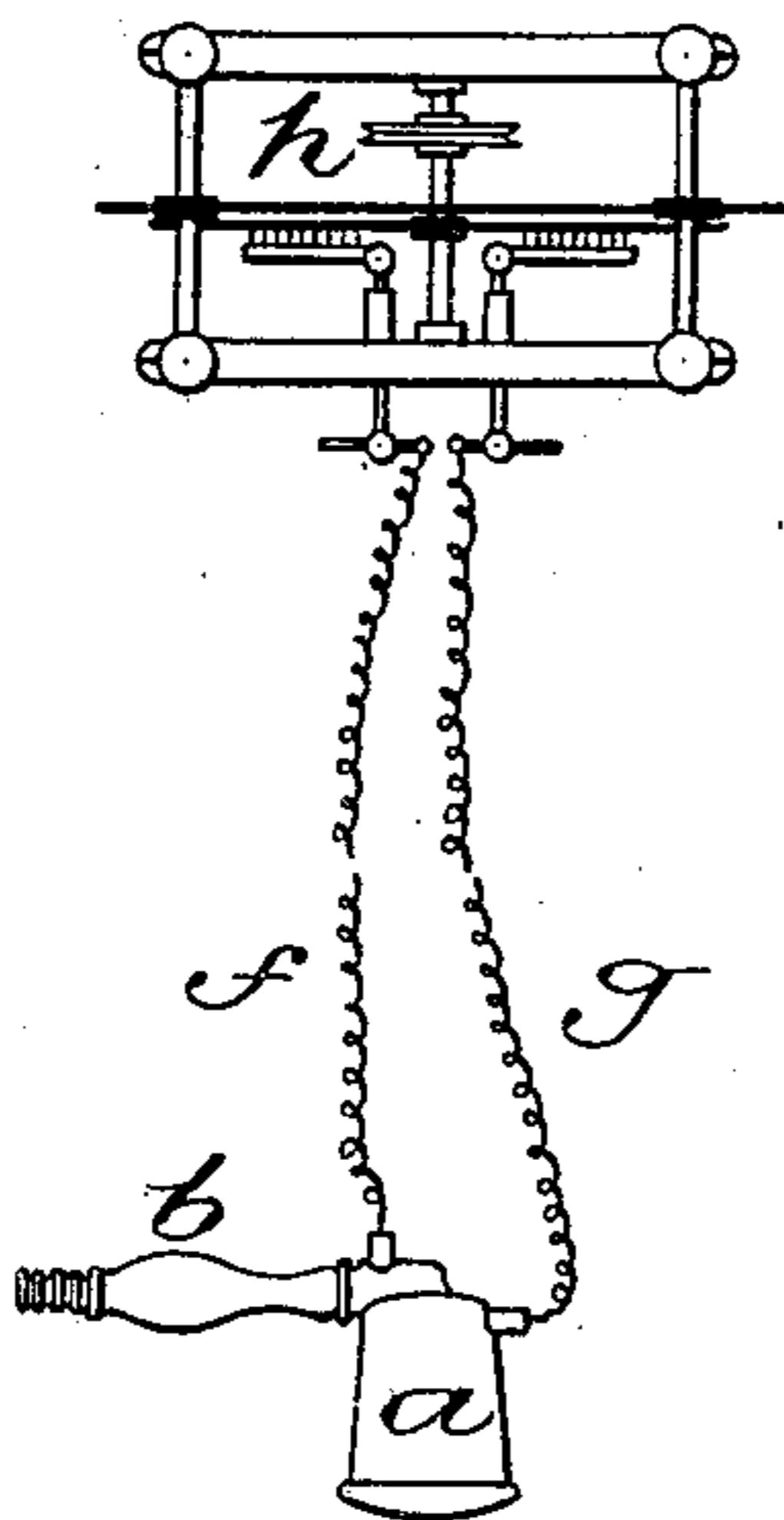


Fig. 2.



Witnesses:-

Henry Thome.

George Barry Jr.

Inventor:-

Herman Behrendt

by attorneys

Brown & Seward

UNITED STATES PATENT OFFICE.

HERRMAN BEHRENDT, OF WORMS, GERMANY, ASSIGNOR TO WILHELM SCHMIDT, OF SAME PLACE.

METHOD OF LOCAL APPLICATION OF ELECTRIC TREATMENT TO THE HUMAN BODY.

SPECIFICATION forming part of Letters Patent No. 669,336, dated March 5, 1901.

Application filed September 18, 1900. Serial No. 30,386. (No model.)

To all whom it may concern:

Be it known that I, HERRMAN BEHRENDT, masseur, residing at Ludwigsstrasse 4, Worms-on-the-Rhine, in the Empire of Germany, have
5 invented a new and useful Improvement in the Local Application of Electrotherapeutical Treatment to the Human Body, of which the following is a specification.

This improvement in the local application
10 of electrotherapeutical treatment of the human body consists in subjecting the part to be treated to the action of static electricity while the air is so exhausted from its surface as to draw the blood thereto.

Figure 1 in the accompanying drawings represents in section the instrument by which
15 my invention is applied to the body; Fig. 2, a diagram illustrating said instrument in connection with a machine for generating static
20 electricity.

a is a bowl or cup provided with a handle *b*, the mouth of the bowl being made to correspond or adapted to conform to the contour of the part of the body to which it is to be
25 applied. From the bottom of the bowl a passage *e* leads, preferably, through the handle *b*, which is adapted to be connected with an air-pump by a rubber tube, while conducting-wires *f g*, in connection with an influence-
30 machine or other source of static electricity—a Holtz or Wimshurst machine; for example—are led through the bottom of the bowl at *d c*, their terminals being situated at a suitable distance apart within the bowl.

35 In Fig. 2 of the drawings, *h* designates the representation of as much of a Holtz machine as is necessary to illustrate the invention.

The process is performed as follows: The bowl having been applied to the part to be treated, a partial vacuum is produced therein
40 by means of the air-pump, whereby the bowl is caused to attach itself firmly, like a cupping-glass, the pores of the skin are opened, and the blood drawn toward the surface. On connecting the wires with an influence-ma-
45 chine or other source of high-tension current capable of causing sparks to pass between the terminals of the wires *f g* the effect of the electric discharge in the generation of ozone and the production of light will react directly
50 upon the blood, the resulting therapeutic effect being much more pronounced than that produced by the electrical treatment of the skin in the usual way by means of the current of a battery.

I do not claim, broadly, the electrical treatment of a part of the human body by the simultaneous action of a vacuum and electricity; but

What I do claim as my invention is—

The electrotherapeutical treatment which consists in subjecting a part of the human body to action of static electricity while the blood is drawn to the surface of such part by producing a vacuum thereon, substantially as
65 herein described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HERRMAN BEHRENDT.

Witnesses:

H. W. HARRIS,
GEORG SCHMITT.