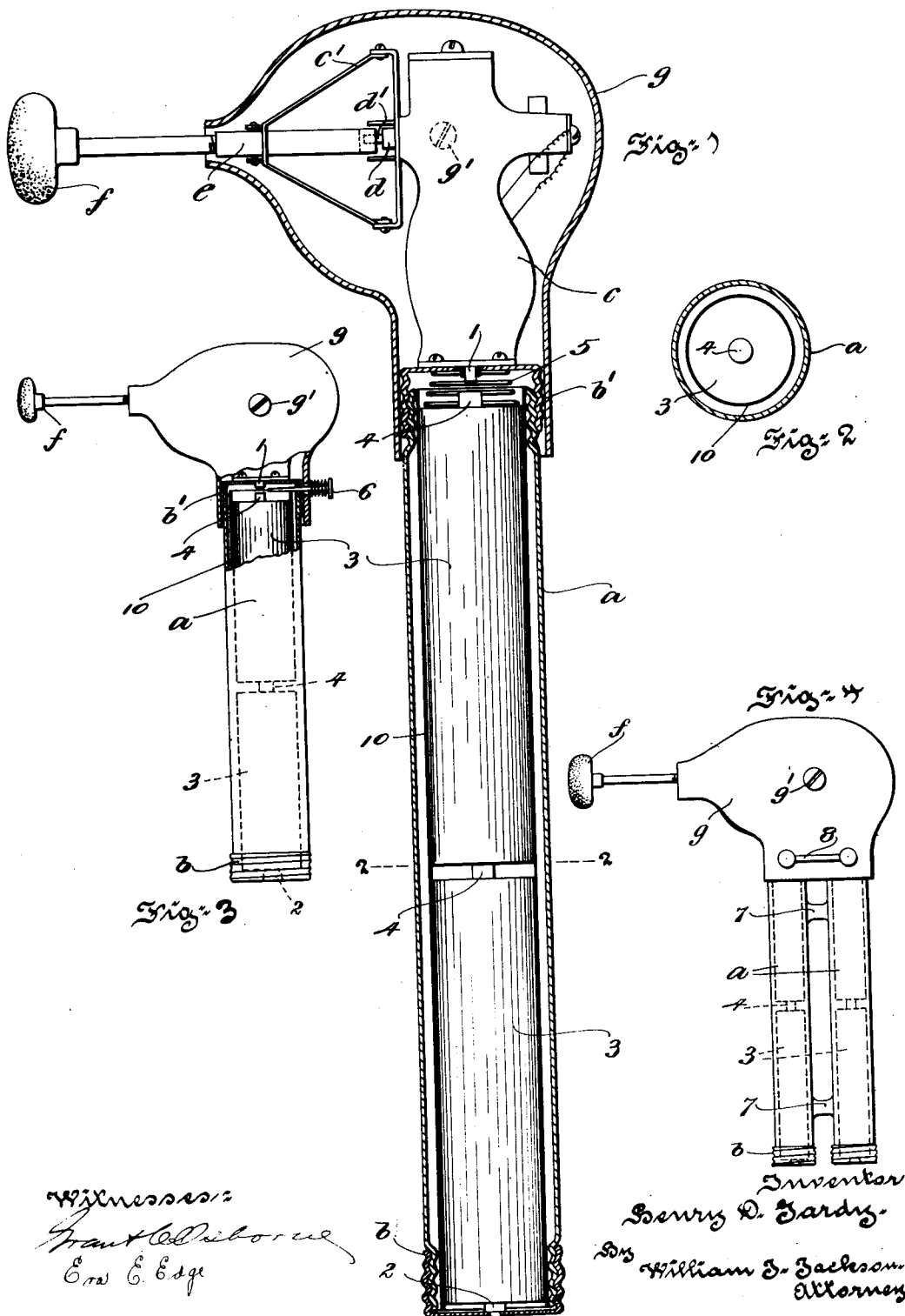


No. 873,123.

PATENTED DEC. 10, 1907.

H. D. GARDY.
MASSAGE IMPLEMENT.
APPLICATION FILED APR. 8, 1907.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY D. GARDY, OF PHILADELPHIA, PENNSYLVANIA.

MESSAGE IMPLEMENT.

No. 873,123.

Specification of Letters Patent.

Patented Dec. 10, 1907.

Application filed April 8, 1907. Serial No. 367,079.

To all whom it may concern:

Be it known that I, HENRY D. GARDY, a citizen of the United States, and resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Message Implement, of which the following is a specification:

This invention relates to massage devices and has particular reference to that class of massage implements to which a vibratory motion is imparted by means of electrically operated motors.

The principal object of the present invention is to provide a portable massage implement the efficiency and convenience in use of which will be materially increased by storing within the apparatus itself a generating source of current supply.

Other objects will appear hereinafter.

The invention stated in general terms comprises the improvements to be presently described and finally claimed.

The nature, characteristic features and scope of the invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which

Figure 1, is a central sectional view of a massage implement embodying the invention. Fig. 2, is a sectional view taken on the line 2—2 of Fig. 1. Fig. 3, is a view partly in elevation and partly in section of a slightly modified form of the invention, and Fig. 4, is an elevational view of a still further modified form.

In the drawings there is shown a tubular metallic handle *a*, by means of which the instrument is manipulated. This hollow handle is screw threaded at each end for the reception of similarly threaded caps *b* and *b*¹. Carried by the upper cap, is an electric motor *c*, consisting of the usual field and armature and complemental commutator and brushes. The armature and commutator are mounted upon the shaft *d*, which carries an eccentric pin *d*¹, at its outer end. To the motor *c*, is fixed a frame work *c*¹, having pivotal relation with which is a vibrator rod *e*. One end of this rod is slotted and is adapted for the reception of the eccentric pin *d*¹, in order that a lateral vibrating motion may be imparted to a vibrator member *f*, having screw threaded engagement with the opposite end of the rod *e*. The above described parts may be incased by a housing *g*, screwed as at *g*¹, to the motor and which may

be two-part if desired. The motor is provided with a contact point 1, shown as being upon the upper cap *b*¹. The cap *b*, is provided with a brass contact point 2. Contained within the chamber of the handle *a*, is current generating means which may be one or more dry batteries, 3, of which two are shown in the drawings. These batteries are zinc covered and are provided with brass contact points 4, and may be incased by means of a tubular insulating medium 10. By this arrangement current may be caused to flow to the motor by reason of the fact that the brass and zinc parts contacting with one another form a circuit which may be made and broken at will by means herein-after set forth.

Between the cap *b*¹, and the top of the uppermost battery is shown a spiral spring 5. This spring is useful in serving to prevent contact between the batteries and motor when the device is accidentally overturned or when lying upon its side, by the batteries sliding up against the contact point 1. These batteries are removably fitted within the handle and may be readily removed and new ones replaced through the instrumentality of the removable cap *b*.

By the above described arrangement massage devices may carry their own source of current supply, which obviously is advantageous, especially for traveling purposes and where electrical current is not available.

In order to use the above described massage implement it is merely necessary to give the handle *a*, or cap *b*, a twist of the wrist which will cause the contact points to contact one with the other to form a circuit and current will flow to and cause to operate the motor, whereupon a vibratory motion will be imparted to the vibratory member *f*. Likewise a twist of the wrist will break the electrical connections and stop the motor.

In Fig. 3, a spring controlled push button 6, is shown as providing means for making and breaking the circuit connections between the batteries and motor. Fig. 4, illustrates the use of a pair of handles *a*, in order that additional batteries may be carried by the massage implement. In this event they may be coupled together as at 7, and may be provided with a pair of connected push buttons 8, for making and breaking the circuit.

I am aware that electrically operated massage implements have been used before,

but in such cases the current has been supplied from an outside source of supply in contra-distinction from being carried by the apparatus itself, hence I do not claim such
5 as my invention. However, I do not wish by the use of the above language to limit my invention further than the prior state of the art may require, but

10 Having thus described the nature and objects of my invention, what I claim as new and desire to secure by Letters Patent is

15 A device of the character described, comprising a tubular casing capable of rotating said casing having screw-threaded ends, top and bottom caps accommodated by said screw threaded ends, a motor equipped with a massage device carried by the top cap, a battery capable of endwise movement through said casing the cells of which are

arranged end to end, one pole of the battery 20 formed by said cells being normally out of contact with a permanent terminal of the motor and the other pole of said battery being in direct contact with the bottom cap, whereby when the said casing is slightly 25 rotated the battery is moved endwise for electrically contacting with the motor terminal for closing the circuit and resilient means interposed between and insulated from the motor terminal and battery for 30 maintaining an open circuit, substantially as described.

In testimony whereof I have hereunto signed my name.

HENRY D. GARDY.

Witnesses:

W. J. JACKSON,
GRANT C. OSBORNE.