

No. 839,649.

PATENTED DEC. 25, 1906.

H. J. ROTH.
 MASSAGE AND STIMULATING IMPLEMENT.
 APPLICATION FILED SEPT. 20, 1906.

Fig. 1.

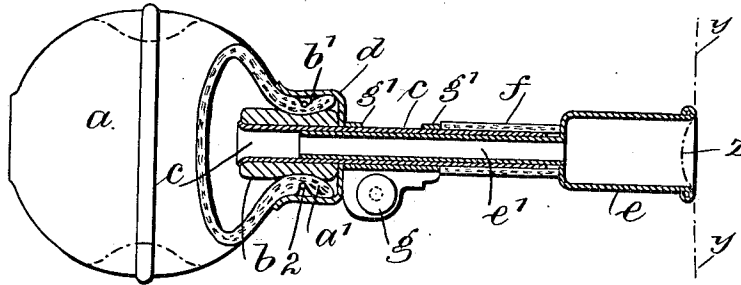


Fig. 2.

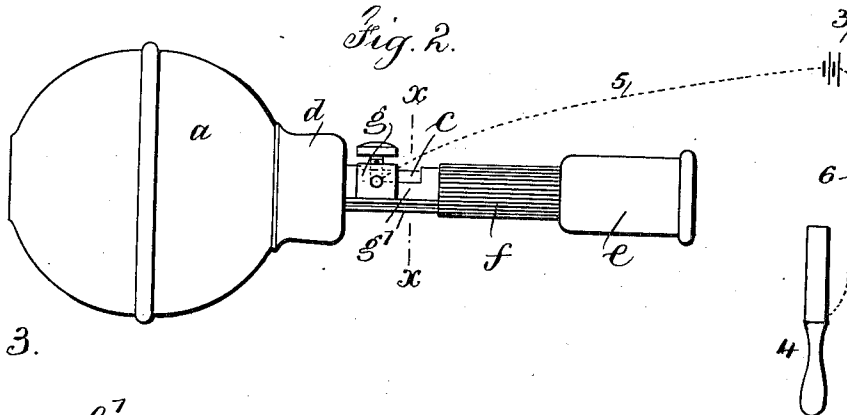


Fig. 3.

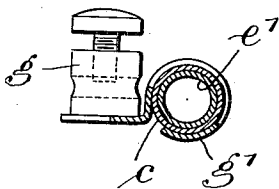


Fig. 4.

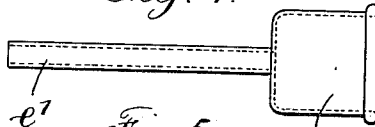


Fig. 5.

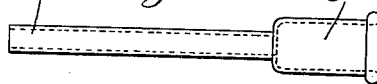


Fig. 7.

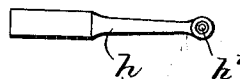


Fig. 6.



Witnesses

Charles Smith
 A. H. Serrell

Inventor

Henry J. Roth.
 per Harold Serrell
 his atty.

UNITED STATES PATENT OFFICE.

HENRY J. ROTH, OF NEW YORK, N. Y.

MASSAGE AND STIMULATING IMPLEMENT.

No. 839,849.

Specification of Letters Patent.

Patented Dec. 25, 1906.

Application filed September 20, 1906. Serial No. 335,355.

To all whom it may concern:

Be it known that I, HENRY J. ROTH, a citizen of the United States, residing in the borough of Brooklyn, in the county of Kings, city and State of New York, have invented an Improvement in Massage and Stimulating Implements, of which the following is a specification.

My invention relates to a device having a main and interchangeable parts which together are adapted to be used as a massage and stimulating implement to different parts of the human body for reducing or building up the flesh according to the manner of its application and manipulation, and the device of my invention may be supplemented by the addition thereto and coaction therewith of an electric current supplied by a suitable battery.

In carrying out my invention I employ a hollow globular elastic body or rubber bulb secured at its neck to a recessed sleeve. Passing through said sleeve is a tubular metal member forming a support or socket for a tubular extension of a removable massage-cup, which is interchangeable with other similar instruments of varying sizes, all of which are adapted to fit within the aforesaid tubular socket member.

I also provide a cap surrounding the tubular member and neck of the rubber bulb and a rubber sleeve also surrounding the tubular socket member and employed to facilitate the grip of the hand on the instrument and to provide an insulation when using the instrument in connection with electrical treatment, as will be hereinafter more particularly described.

In the drawings, Figure 1 is a central longitudinal cross-section and partial elevation of my improved massage implement. Fig. 2 is an elevation taken at right angles to the position of the instrument as shown in Fig. 1. Fig. 3 is a cross-section on line *x x* of Fig. 2. Figs. 4 and 5 are elevations, respectively, of modified forms of the massage-cup. Fig. 6 is an elevation and partial section of an interchangeable implement, and Fig. 7 is a plan of the same. Fig. 3 is of enlarged size for clearness.

Referring particularly to the drawings, *a* designates a hollow globular elastic body or rubber bulb provided, as is customary, with a neck *a'*. Within the neck *a'* of the rubber bulb I employ a sleeve *b*, whose outersurface is peripherally recessed at *b'*, thereby providing

a means by which the said neck *a'* may be securely fastened to the sleeve *b* by a connecting-wire 2 or otherwise.

c designates a tubular socket member adapted to fit within the sleeve *b*, and this tubular member *c* is preferably flared at the inner end, whereby the same may be connected to the said sleeve *b*.

Surrounding the tubular socket member *c* and adjacent to the outer end of the sleeve *b* I employ a cap *d*, adapted to cover the joint between the neck *a'* of the bulb *a* and the sleeve *b*.

e designates a massage-cup, which is preferably made of metal and may be cylindrical, as shown in Figs. 1, 2, 4, and 5, or of other configuration, as occasion may require.

Each of the massage-cups *e* is open at one end and provided at the other with a tubular extension *e'*, adapted to fit within the tubular socket member *c* in such a manner as to make a good electric connection therewith, if this should be required.

I also employ a rubber sleeve, (indicated at *f*), adapted to fit over the outer end of the tubular socket member *c*, and a binding-post *g*, connected with grips *g'*, adapted to encircle and contact with the said tubular socket member *c*, the sleeve *f* bearing at one end against the outer grip *g'* and contacting at the other end with the under surface of the massage-cup *e*, and this sleeve *f* practically limits the distance the tubular extension *e'* of the massage-cup *e* may be inserted in the tubular socket member *c*.

Now it will be apparent that by depressing the sides of the rubber bulb *a*—for instance, to the extent indicated in dotted lines in Fig. 1—and placing the periphery of the massage-cup *e* against the surface of the skin, then releasing the rubber bulb *a*, a partial vacuum will be created therein sufficient to slightly distend that portion of the skin within the walls of the massage-cup, and, further, that the extent of the distension may be readily regulated by the amount of pressure applied to the bulb, and, referring to the right-hand end of Fig. 1, the amount of this distension of the skin is illustrated by the dotted line, the portion *y y* thereof indicating the normal surface of the skin, and the portion line *z* thereof, the extent to which the same is distended beneath the massage-cup.

It will also be apparent that by gripping the instrument at the sleeve *f* the same may be readily moved over the surface of the skin,

causing the different parts thereof to become successively distended, or, in other words, causing a distension-wave, and that by at the same time applying a slight pull to the instrument this treatment has a tendency to stimulate a growth of or increase in flesh, and, on the other hand, by applying a slight pressure to the instrument the treatment has a tendency to reduce the flesh, and, furthermore, it will be apparent that this device may be employed to eradicate wrinkles and to remedy numerous other blemishes of the skin, the different-sized massage-cups being adapted to be used interchangeably, depending upon the part of the body to be treated, the smaller cup being especially adapted for removing facial wrinkles and hollows around the eyes.

For the purpose of removing small pimples and black-heads the implement shown in Figs. 6 and 7 may be employed, and in this connection it is advantageous to also employ an electric current. This implement (indicated at *h* and shown in Figs. 6 and 7) comprises a shank adapted at one end to fit within the tubular socket member *c* and is reduced at the other end and in whose extremity is a small tapering hole, (indicated at *h'*), and as aforesaid in this connection the electric battery, (indicated at 3,) a handle 4, and line-wires 5 and 6 are employed, one end of the wire 5 being connected to the binding-post *g*, the other end to one terminal of the battery 3, the wire 6 being connected at one end to the other terminal of the battery 3 and at the other end to the handle 4, whereby it will be apparent that in grasping the handle 4 in one hand and manipulating the instrument with the other an electric current may be closed between the parts of the body to be treated.

The electric current is also an important factor in the massage and stimulating treatment with the cups hereinbefore described, as the stimulating action produced by the current and supplemented by the massage manipulation acting together produce the best results.

I claim as my invention—

1. A massage implement comprising a rubber bulb and the neck thereof, a peripherally-recessed sleeve, means for securing the same within the neck of the rubber bulb, a tubular socket member secured within the said sleeve and a massage device adapted to be connected to the said tubular socket member.

2. A massage implement comprising a rubber bulb and the neck thereof, a peripherally-recessed sleeve, means for connecting the same to the said neck of the rubber bulb, a tubular socket member secured to the said sleeve, a binding-post electrically connected to the said tubular socket member, a sleeve of insulating material forming a grip and fitting over the outer end of the said tubular socket member and a massage device adapted to fit within and to be electrically connected to the said tubular socket member.

3. A massage implement comprising a rubber bulb and the neck thereof, a peripherally-recessed sleeve, means for securing the same within the neck of the rubber bulb, a tubular socket member secured within the said sleeve, a massage-cup and a tubular extension connected therewith and adapted to fit within the said tubular socket member.

4. A massage implement comprising a rubber bulb and the neck thereof, a peripherally-recessed sleeve, means for connecting the same to the said neck of the rubber bulb, a tubular socket member secured to the said sleeve, a binding-post electrically connected to the said tubular socket member, a sleeve of insulating material forming a grip and fitting over the outer end of the said tubular socket member, a massage-cup and a tubular extension secured thereto and adapted to fit within said tubular socket member and to contact electrically therewith.

Signed by me this 11th day of September, 1906.

HENRY J. ROTH.

Witnesses:

A. H. SERRELL,
E. ZACHARIASEN.