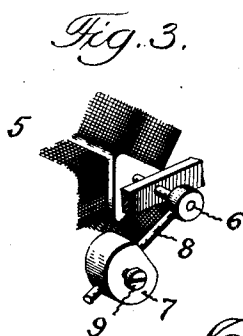
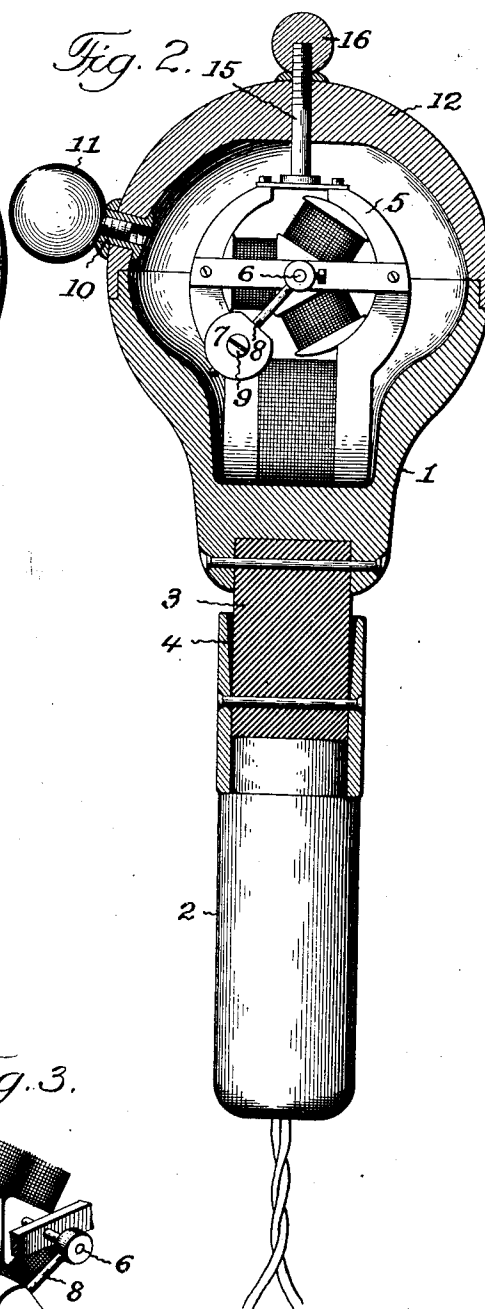
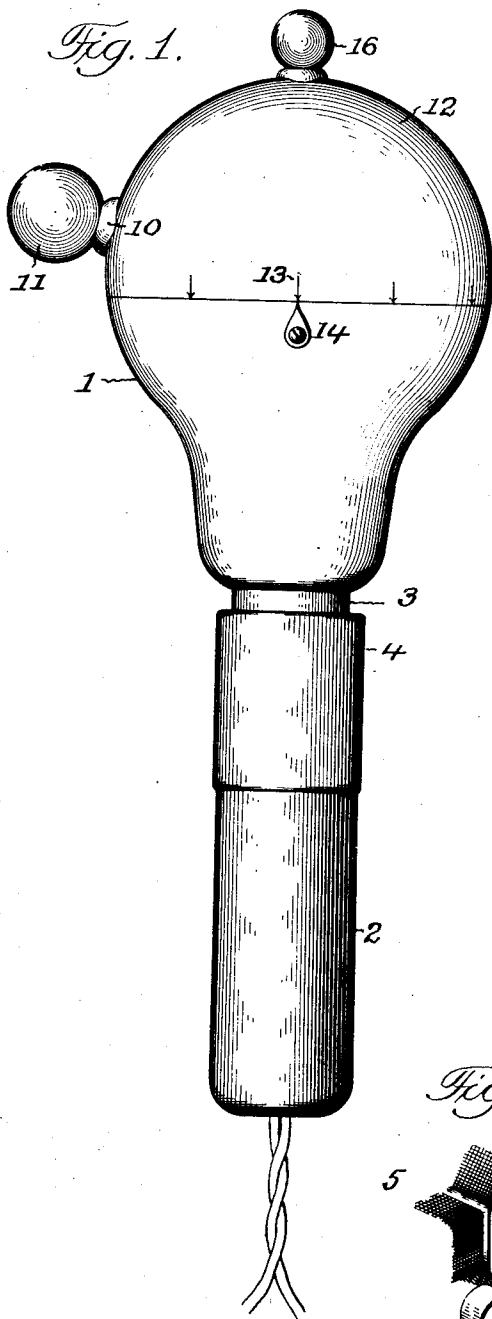


No. 859,674.

PATENTED JULY 9, 1907.

C. O. LINDSTROM.
MASSAGE APPARATUS.
APPLICATION FILED MAY 28, 1906.



Attest:

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UNITED STATES PATENT OFFICE.

CARL O. LINDSTROM, OF CHICAGO, ILLINOIS.

MESSAGE APPARATUS.

No. 859,674.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed May 26, 1906. Serial No. 318,898.

To all whom it may concern:

Be it known that I, CARL O. LINDSTROM, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Massage Apparatus, of which the following is a specification.

This invention relates to, vibratory massage apparatus, and has for its object to provide a simple and efficient attachment to the motor of a massage apparatus for attaining a rapid vibration in the same in a simple and economical manner, and in which the force or range of such vibration can be changed as required in a ready and convenient manner, all as will herein-
after more fully appear.

In the accompanying drawings:—Figure 1 is an elevation of a massage apparatus constructed in accordance with the present invention. Fig. 2 is a sectional elevation of the same. Fig. 3 is a detail perspective view of the motor shaft and its immediate connections.

Similar numerals of reference indicate like parts in the several views.

Referring to the drawings, 1 represents the closed housing of the apparatus adapted to contain the electric motor by which the required vibration is attained in the apparatus, as hereinafter set forth in detail; such housing is preferably of the pear shape shown, in order that its perimeter may be used in a direct manner in a massage treatment.

2 is the handle of the apparatus, to one end of which is attached in any usual manner the electrical conductors by which the operating electric current from any usual source is supplied to the motor of the apparatus. The other end of said handle is resiliently connected to an adjacent end of the housing 1, by means now to be described.

3 is a resilient section of india-rubber or the like, one end of which is secured in a socket formed therefor in the neck of a housing 1, while the other end of said section is secured in a socket formed therefor in an adjacent end of the handle 2, and in the preferred construction of the present invention, the said handle socket will be provided with a ferrule 4 having a tapering bore as shown and adapted to limit the range of free lateral vibration of the housing 1 with relation to the handle 2, in the actual use of the apparatus.

5 is an electric or other motor of any usual form mounted within the housing 1, and provided with the usual rotary motor or armature shaft 6, having an extended end at one side of the motor for the re-

ception of the overbalance attachment hereinafter described.

7 is an overbalance piece secured eccentrically to the armature shaft 6, in any usual manner, and adapted in a rapid rotation of the said shaft to set up a corresponding series of lateral surges of the armature, motor and housing, and produce in consequence a very effective vibration of said housing for use in massage.

The overbalance piece 7 is preferably secured to the armature shaft 6 by a crank arm 8 and fastening screw 9, so as to be adjustable to and from the center of rotation of said shaft, to effect a change in the vibratory force generated as above set forth in the apparatus.

10 is a socket in the wall of the housing 1, and adapted to receive the attaching shank of a massage applicator 11 of any ordinary form.

In the preferred construction of the invention, as shown, the housing 1 will be formed with a cap piece 12 at its outer and free end, and such cap piece is made circularly adjustable on the base portion of the housing and carries the applicator 11 before described. As so arranged the cap-piece 12 can be circularly adjusted to bring the applicator 11 into any required plane with relation to the plane of rotation of the surge generating overbalance piece 7, to attain a more or less direct effect of the same, and with a view to such adjustment in an accurate and ready manner, one part will carry a series of marks 13, and the other part a finger or pointer 14, to guide the operator in effecting the desired adjustment.

15 is a rod or bolt attached to the motor frame and extending outwardly through the cap piece 12, and provided with a removable head or nut 16 for securing the aforesaid cap piece 12 in place at any point in its circular adjustment aforesaid. When so desired said head or nut 16 may have a suitable globular or other shape for use as an applicator.

Having thus fully described my said invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A massage apparatus comprising, a pear shaped housing having a circularly adjustable cap piece at its outer end, a rotary motor mounted in said housing, a motor shaft, an overbalance piece connected to said shaft, a pointer and a series of markings on the housing parts, a handle, and a resilient connection between the handle and the housing.

2. A massage apparatus comprising, a pear shaped housing having a circularly adjustable cap piece at its outer end, a rotary motor mounted in said housing, a motor shaft, a crank arm on said shaft, an overbalance piece secured adjustably to said crank arm, a pointer and a se-

ries of markings on the housing parts, a handle and a resilient connection between the handle and the housing.

3. A massage apparatus comprising, a housing, a rotary motor mounted in said housing, a motor shaft, an over-
5 balance piece connected to said shaft, a handle, and a resilient connection between the handle and the housing, the handle having a socket to receive said flexible connection, and a ferrule having a tapering bore to limit its movement.

4. A massage apparatus comprising, a pear shaped
10 housing having a circularly adjustable cap piece at its outer end, a rotary motor mounted in said housing, a mo-

tor shaft, an overbalance piece connected to said shaft, a handle, and a resilient connection between the handle and the housing, the handle having a socket to receive said flexible connection and a ferrule having a tapering bore to
15 limit its movement.

Signed at Chicago, Illinois, this 24th day of May, 1906.

CARL O. LINDSTROM.

Witnesses:

ROBERT BURNS,
M. E. HOLMES.