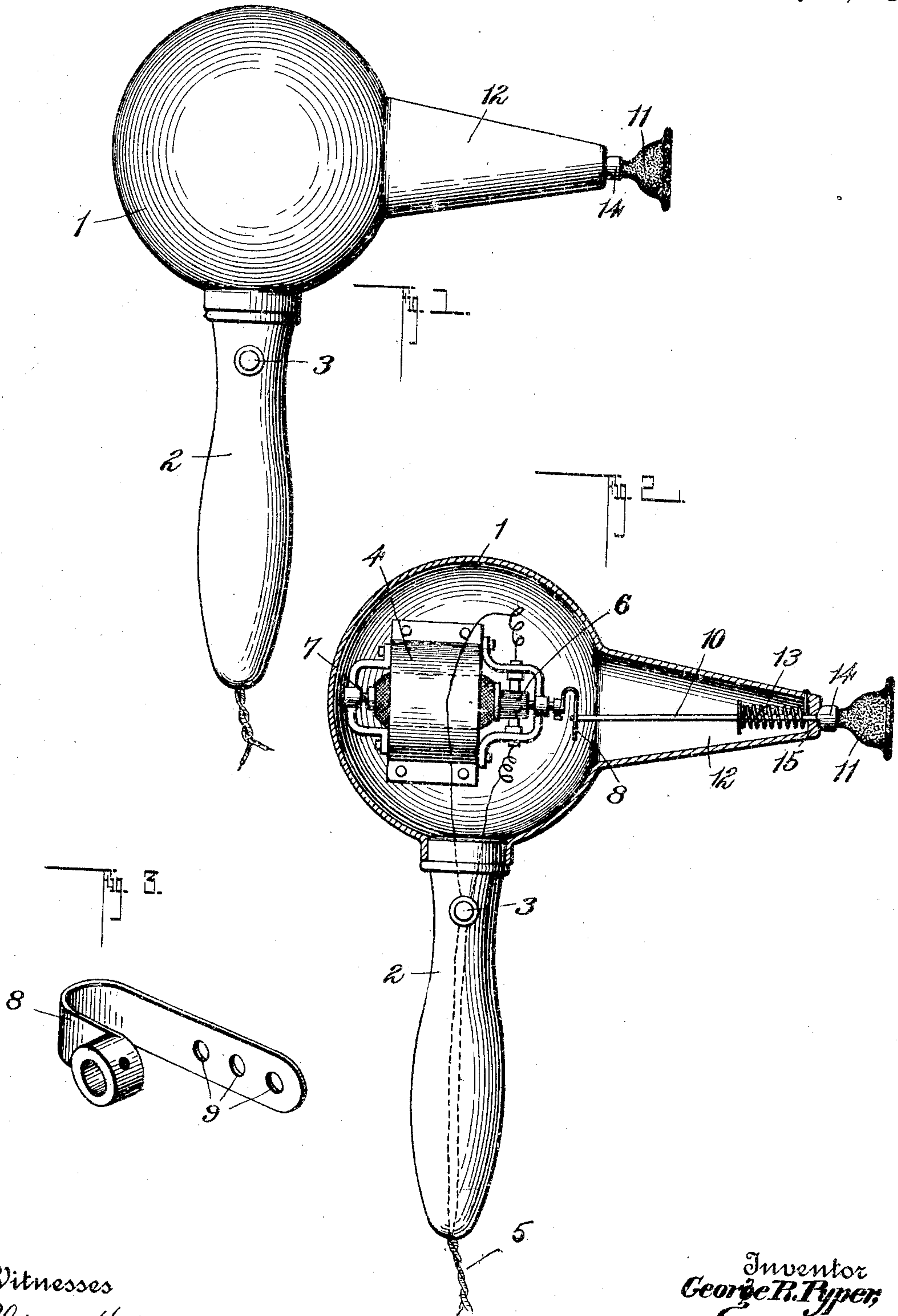


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 MASSAGE APPARATUS.
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958,939.

Patented May 24, 1910.



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UNITED STATES PATENT OFFICE.

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MASSAGE APPARATUS.

958,939.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE R. PYPER, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Massage Apparatus; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to massage apparatus.

The object of the invention is the production of a simple, efficient and cheap vibrator which will have all the qualifications and the efficiency of higher priced machines.

A still further object of the invention is the provision of novel means for retaining the operating shaft in adjusted position.

A still further object of the invention is the provision of a novel adjustment for changing the throw of the operating shaft whereby coarse or fine vibrations may be obtained together with means for preventing the rotation of the shaft.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangements of parts as will be more fully described and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of the device with a cupped vibrator secured thereto; Fig. 2 is a longitudinal section through the device showing the motor in outline only; and Fig. 3 is a detail perspective view of the adjusting arm.

Referring more especially to the drawings, 1 represents the casing which is carried by a suitable manipulating handle 2, having a switch button 3, mounted therein to control the source of current to the motor 4. The current is led in over wires 5, which pass through the handle to the switch 3, and from thence to the motor as shown.

The motor 4, may be of any suitable type but is here shown as provided with a commutator 6, through which the main driving shaft 7, is adapted to pass. This shaft is mounted in suitable bearings and has secured to its outer end a substantially U-shaped arm 8, which has one leg thereof

curved as shown in Fig. 3 and provided with a plurality of apertures 9, adapted to receive the vibrating shaft 10. The shaft 10 extends forwardly and is provided at its end with suitable means whereby the massage appliance 11, may be secured to the shaft. At this end, it is swiveled in an extension of the casing 1 and interiorly of the extension has secured to it one end of a spiral spring 13, the opposite end of which is secured to the interior of the extension 12. This spring normally forces the head 14, into engagement with a socket 15, formed in the extension which constitutes a bearing and permits the swiveling of the shaft without displacement from the aperture 9, with which it is engaged. This shaft may be forced forward against the tension of the spring and released from one of the apertures and placed in another so as to adjust the throw of the massage device 11.

In operation, the massage device is placed against the portion of the body to be operated upon and the switch thrown so as to start the motor which rotates the vibrating arms 8. As the apertures 9, in the arm are eccentric to the shaft 7, the inner end of the vibrating shaft 10, travels in a rotary direction around the shaft, thus giving the massage device 11 an orbital motion.

This massage device may be produced at a minimum cost and is supplied as is usual, with the requisite massage articles, all of which are adapted to be secured in the head 14.

From the foregoing description, taken in connection with the accompanying drawing, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim is:

A massage device comprising a casing, a motor supported in the casing, an arm connected to the motor and having apertures eccentric to the shaft of the motor, a vibrating shaft, a massage device connected to the vibrating shaft, and a spiral spring sur-

rounding the vibrating shaft and connected
at one end thereto and at the opposite end
to the casing, said spring being normally
under tension and adapted to prevent the
5 disengagement of the shaft from the aper-
tures in the arm and to prevent the rota-
tion of the shaft.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

GEORGE R. PYPER.

Witnesses:

JAMES INGEBRETSEN,
JOEL MEBLEY.