

J. C. LUMSDEN.
 MASSAGE DEVICE.
 APPLICATION FILED MAR. 27, 1908.

955,339.

Patented Apr. 19, 1910.

Fig. 1

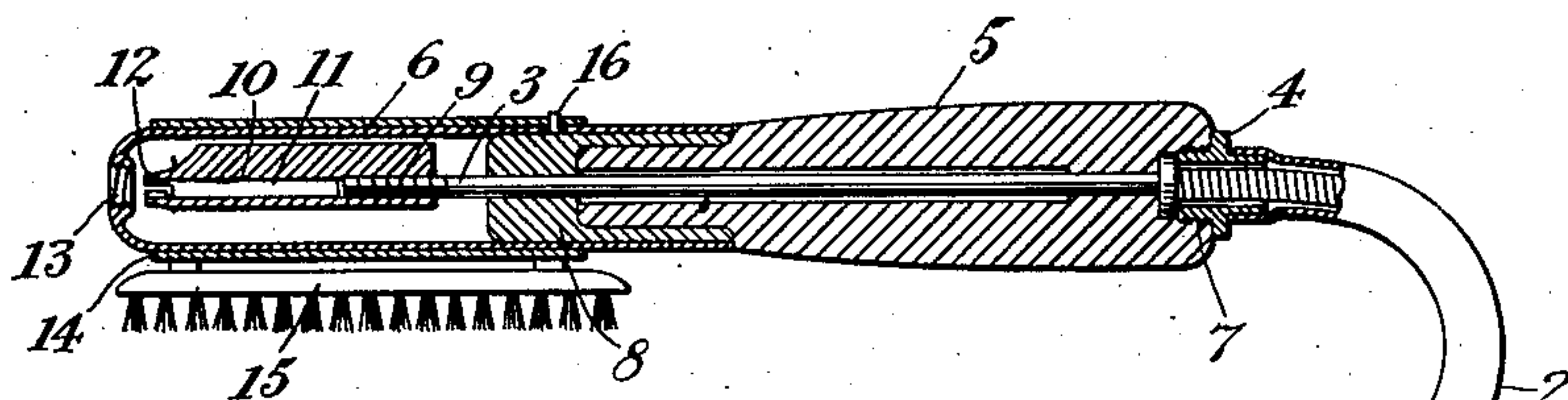


Fig. 2

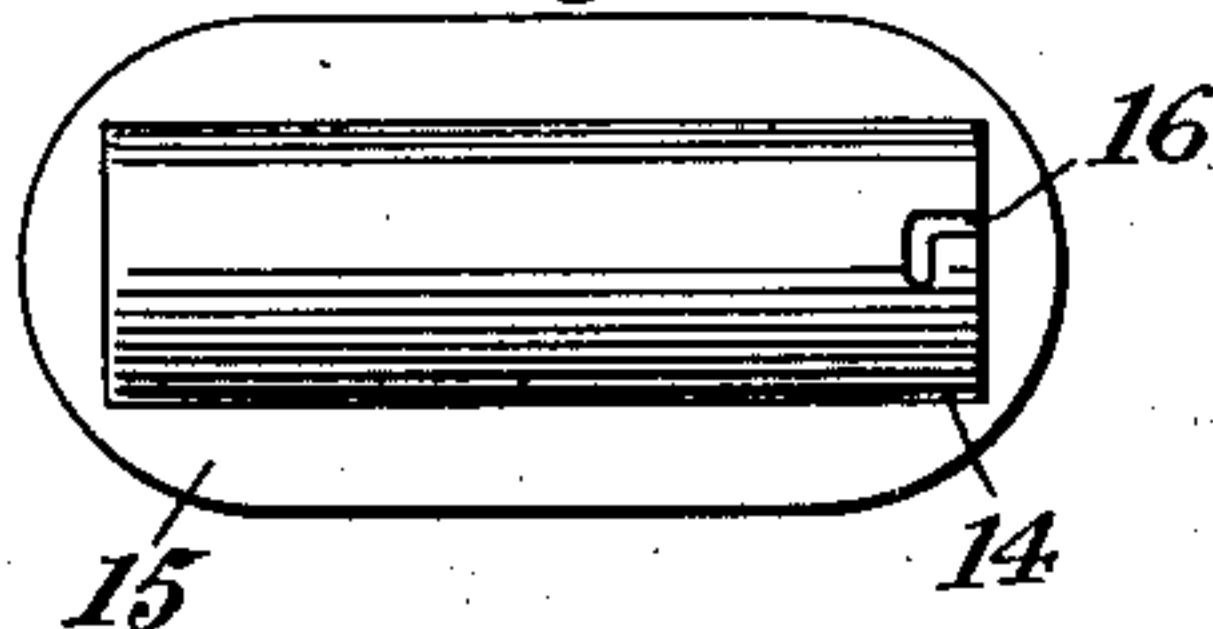


Fig. 3

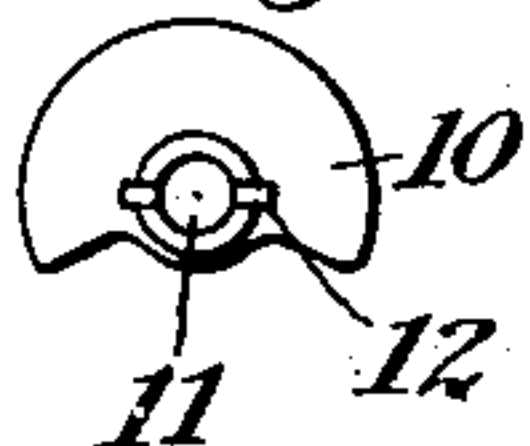


Fig. 4

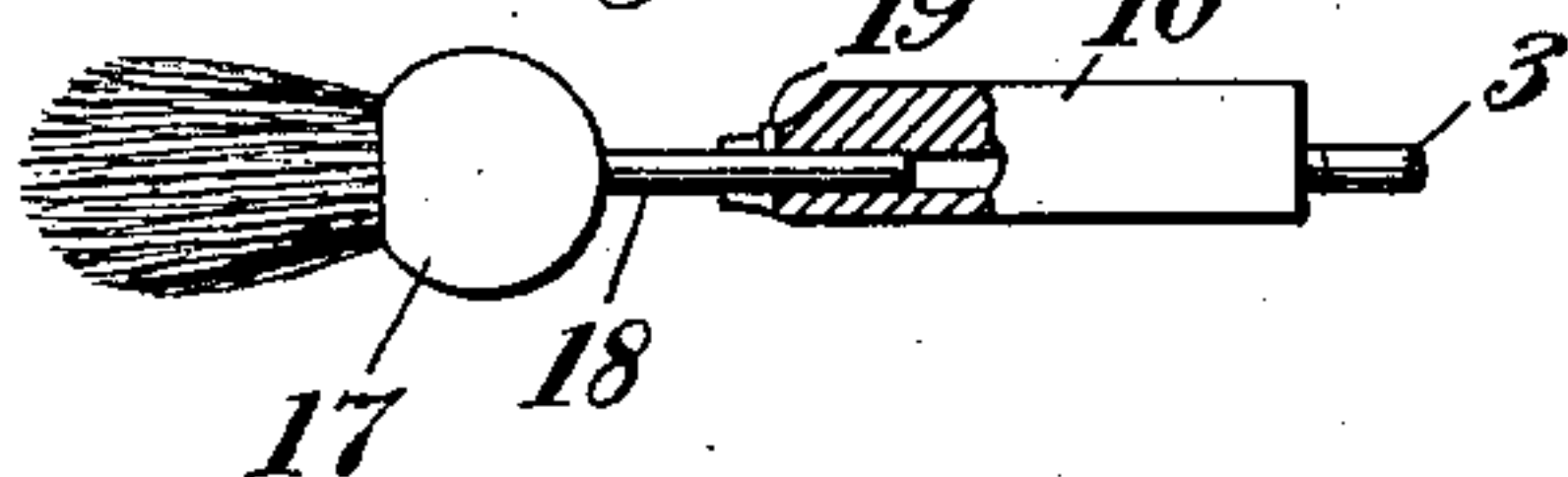


Fig. 5

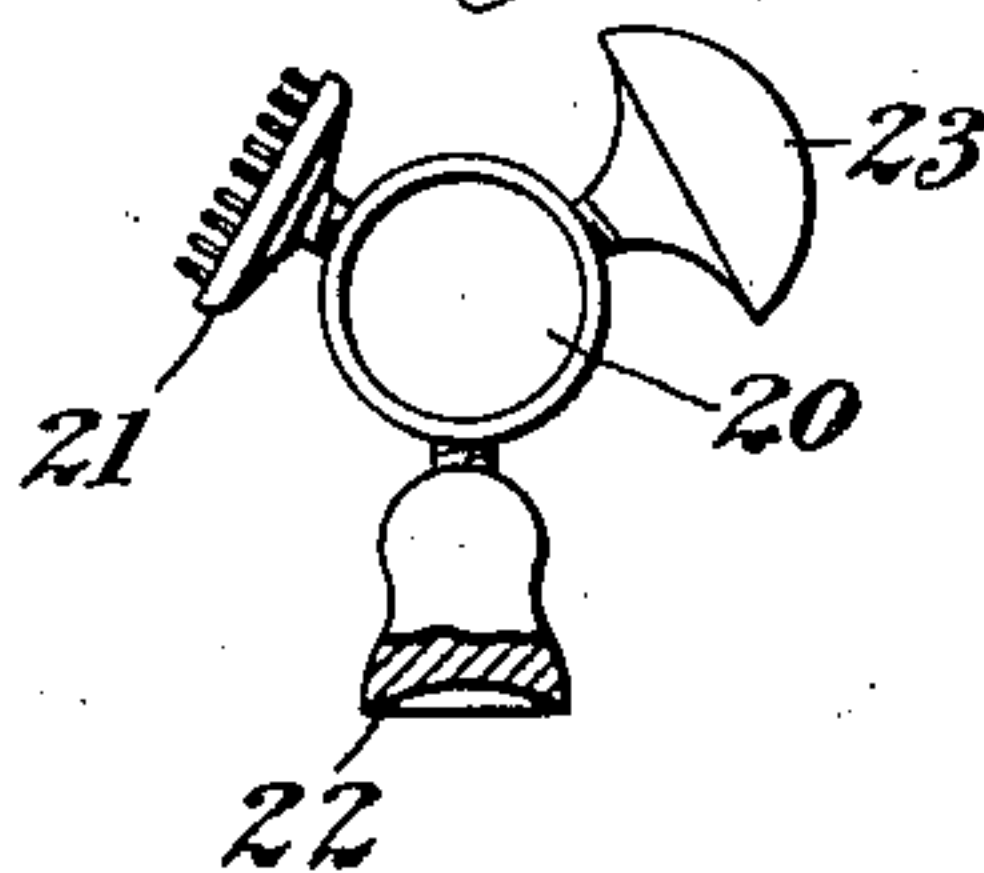


Fig. 6

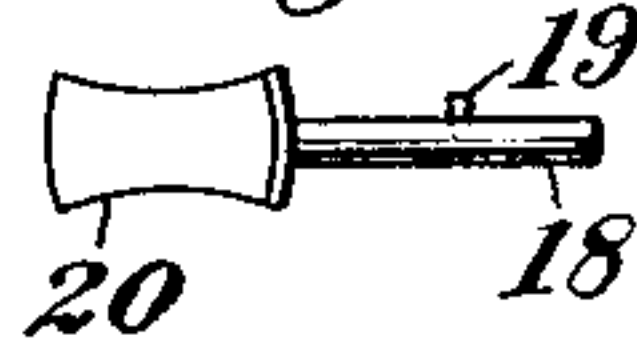
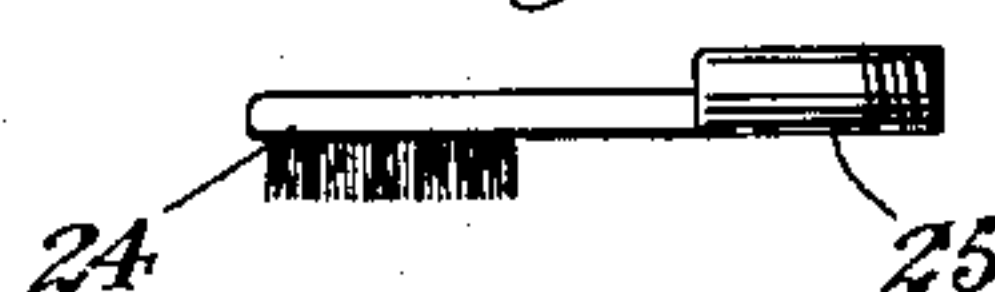


Fig. 7



Witnesses:

Chas. D. King.
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UNITED STATES PATENT OFFICE.

JOHN C. LUMSDEN, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO
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MASSAGE DEVICE.

955,339.

Specification of Letters Patent. Patented Apr. 19, 1910.

Application filed March 27, 1908. Serial No. 423,696.

To all whom it may concern:

Be it known that I, JOHN C. LUMSDEN, a citizen of the United States, residing in the city, county, and State of New York, have
5 invented certain new and useful Improvements in Massage Devices, of which the following is a full, clear, and exact specification.

My invention relates to an improved massage device and has for its object to provide
10 a hand-piece admitting of a series of different operations by means of various instruments which may be attached and detached in different ways. I attain this object by
15 mechanism illustrated in the accompanying drawings, wherein—

Figure 1, is a longitudinal sectional view of my improved device. Fig. 2, shows a
20 top view of a sleeve employed in connection with my device. Fig. 3, illustrates a detail sectional view of an eccentric used in connection with my device. Fig. 4, shows one
25 means of securing an instrument to the eccentric. Fig. 5, illustrates, in section, another form of sleeve used by me in connection with my device. Fig. 6, shows another
30 attachment used in my device. Fig. 7, illustrates another instrument which may be used in my device, with a different means of
30 attachment.

Similar numerals indicate like parts in all of the drawings.

In Fig. 1, 1, illustrates a motor or source of power, 2, a flexible shaft, one end thereof
35 being connected to the motor and the other to a steel shaft 3, by suitable connecting means 4, said steel shaft running through hand-piece 5, and partly through stationary sleeve 6, on suitable bearings 7; the sleeve 6,
40 being connected to the hand-piece 5, by means of a ferrule 8. The end of the steel shaft running partly into the stationary sleeve 6, is screw-threaded as shown at 9, so
45 as to enter into the eccentric 10, (shown in detail in Fig. 3) and being of longitudinal contour and having an aperture 11, throughout its length; the lower portion being screw-threaded so as to receive the
50 screw-threaded portion of the steel shaft 3, and the upper end thereof being convexed and having a slot 12, to hold the instruments. The stationary sleeve 6, likewise has a screw-threaded opening 13, for similar
55 purposes. In this figure I have likewise shown a removable sleeve 14, to which is at-

tached a brush 15, which may be slipped over the stationary sleeve of my device and secured by suitable locking means as shown at 16. This sleeve is shown in detail in
60 Fig. 2.

In Fig. 4, I have illustrated a cup-shaped flexible bristle-bearing fan 17, the bristles of which are caused to flex or flare outwardly by the centrifugal force caused by the rotary motion of the instrument when in operation, thereby producing a strong current
65 of air, together with its means of attachment to the eccentric employed in my device, which is accomplished by securing a spindle or shaft 18, having a lug 19, to the instrument sought to be attached and then inserting this shaft into the aperture 11, of the eccentric, so that the lug 19, of the shaft
70 slides along the slot 12, of the eccentric, when the slot of the eccentric into which the lug slides will tend to hold it in place.

In Fig. 5, I have shown another sleeve 20, differing from that shown in Fig. 2, in that a number of applicators may be detachably
80 connected to this sleeve as shown at 21, 22, and 23, which may be used alternately. This sleeve may be secured to the stationary sleeve 6, in any suitable manner, as shown in Fig. 2.

Fig. 6, shows a detail view of another instrument 20, and its means of attachment to the eccentric.

Fig. 7, shows still another instrument 24, with another means of attachment. In instruments of this nature the means of attachment is formed of a small screw-threaded
90 plug 25, which enters into the screw-threaded opening 13, of the stationary sleeve 6.

From the foregoing description the operation of my device will be readily understood.

In my device both classes of massage instruments can be used to advantage, namely, the rotatable as well as the oscillating or
100 vibratory instruments. When it is desired to employ devices of the former class, I provide them with suitable lug bearing shafts as shown in Figs. 4 and 5; and when devices of the latter class are required, I
105 either provide a suitable sleeve to which the instruments are either permanently or detachably secured, which I slip over the stationary sleeve of my device and then suitably secure same, as shown in Figs. 1 and 2, 110

or provide them with a screw-threaded plug to enter into the screw-threaded opening of the stationary sleeve.

It is obvious that many changes and modifications may be made in the construction of my device, without departing from the spirit of my invention and I do not intend to limit myself to the specific construction as shown, but

What I desire to secure by Letters Patent is:

1. A massage device comprising a hand-piece, a casing secured to said hand-piece, a spindle within said casing having an elongated eccentric operatively connected thereto for imparting vibratory motion to said casing and a sleeve removably secured to said casing having a series of applicators secured thereto.

2. A massage device comprising a hand-piece, a casing, a sleeve having apertures longitudinally therein for the reception of applicators removably mounted upon said casing, said sleeve and casing provided with

a screw-threaded aperture at a point farthest from the hand-piece, a spindle within said casing carrying a slotted elongated eccentric, an applicator having a spindle and lug mounted thereon for engagement with said eccentric.

3. A massage device comprising a handle having suitable bearings, a spindle carried in said bearings, a flexible shaft connected to said spindle and to a source of rotary motion, a vibratory member attached to said spindle and having its center of gravity eccentric to its center of rotation and a cup-shaped rotatable flexible bristle bearing fan in operative connection with said vibratory member.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN C. LUMSDEN.

Witnesses:

HERBERT J. HINDES,
M. EUNICE SMITH.