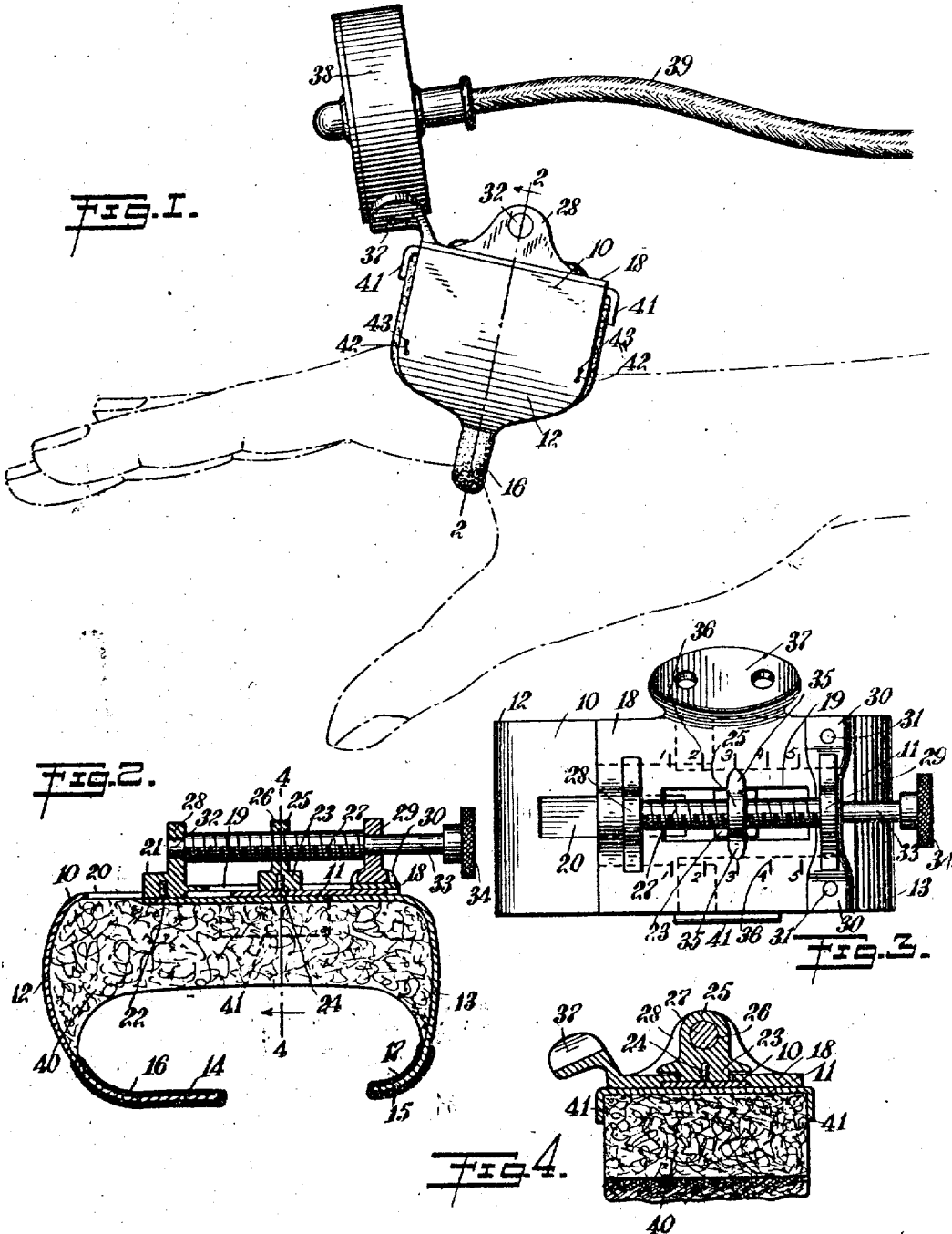


J. SABATINO.
 MASSAGE APPARATUS.
 APPLICATION FILED SEPT. 15, 1909.

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MASSAGE APPARATUS

949,550.

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To all whom it may concern:

Be it known that I, JOHN SABATINO, a subject of the King of Italy, and a resident of the city of New York, Morris Park, borough of Queens, in the county of Queens and State of New York, have invented a new and Improved Massage Apparatus, of which the following is a full, clear, and exact description.

10 This invention relates to massage apparatus, and more particularly to apparatus of this kind which includes a holding device for a vibrator, the holding device comprising relatively movable members adapted to
15 fit upon the hand, means for holding these members in a plurality of relative adjustments, and means for mounting the vibrator upon one of the members so that the vibrator can be employed to impart vibratory movements to the hand, for application in the operation of massage.

The object of the invention is to provide a simple, strong and durable device for holding a vibrator upon the hand of a massage
25 operator, which is adjustable to adapt it for use by different persons, by means of which the vibrator can be securely clamped upon the hand so that it imparts to the hand variable vibratory movements, which has
30 means for rendering it comfortable to the user, and which is clean and sanitary.

The invention consists in the construction and combination of parts to be more fully described hereinafter and more particularly
35 set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the
40 views, and in which—

Figure 1 is a side elevation showing an embodiment of my invention applied to a hand, the hand being indicated in broken outline; Fig. 2 is a transverse section on the
45 line 2—2 of Fig. 1; Fig. 3 is a plan view of the device having the vibrator removed; and Fig. 4 is a transverse section on the line 4—4 of Fig. 2.

Before proceeding to a more detailed explanation of my invention, it should be
50 clearly understood that it relates to massage apparatus of that class wherein the movements used in massage treatment are conveniently obtained from a source of power
55 other than that of the muscular strength of the operator, but are effectually adminis-

tered to the person undergoing treatment, by the contact of the operator's hand with the body of the person. It is well-known that
60 far more effective vibratory treatment can be given by means of mechanically induced vibrations than by muscular action alone, as it is impossible by the second method to impart vibrations of sufficient rapidity, and
65 for periods of sufficient duration. A mechanical vibrator however, when mounted upon the hand of the operator, can be employed to impart to the hand the necessary rapid and continued vibratory movements without tiring the operator, and the hand,
70 particularly the fingers thereof, can then be used to apply the treatment to any desired part of the body of the patient.

Referring more particularly to the drawings, I provide an adjustable device for securing the vibrator upon the hand, the device comprising a hand clamp having relatively adjustable members 10 and 11. These members are slidably located one upon the other, and have opposite end portions 12
80 and 13 respectively, downwardly and rearwardly disposed, as is shown most clearly in Fig. 2, and terminating in horns 14 and 15 adapted to be positioned at the palm of the hand to hold the device in place. The
85 horns may be of any suitable shape and are preferably of unequal lengths, being provided with protective covers 16 and 17 consisting of rubber sleeves or the like. These sleeves may be dispensed with, and if so desired, may be replaced by felt or any other
90 material adapted for the purpose.

Positioned upon the member 10 is a plate 18 having a longitudinal opening or slot 19. The member 10 has a slot 20 through which
95 projects a part 21 of the plate 18, connected with the member 11 by means of a screw 22 or in any other suitable manner. It will be understood that owing to the provision of the slot 20 the members 12 and 13 are relatively movable, the plate 18 moving with the member 13. Slidably located in the slot
100 19 of the plate 18 is a block 23 secured to the member 10 by means of a screw 24 or in any other suitable manner. The block 23 has an upward extension 25 presenting a threaded opening 26 in which is located a correspondingly threaded spindle 27.

The plate 18 has at the ends, bearings 28 and 29 respectively, one of which is removable. As shown for example in the accompanying drawings, the bearing 29 has lugs
110

30 secured to the plate by means of screws 31 or in any other convenient manner. The spindle 27 has a reduced end 32 journaled in the bearing 28 and at the other end has a reduced extension 33 constituting an operating stem and journaled in the bearing 29. At the free extremity, the stem 33 has a burred head 34 by means of which it can be conveniently manipulated. It will be understood that by turning the spindle in one direction or the other, the members 10 and 11 are correspondingly adjusted relatively to one another, the movement of the spindle causing a corresponding movement of the block 23. This in turn moves the member 10 with respect to the member 11 to cause these members to be drawn together or to be separated.

Integral with the block 23 are pointers 35 extending laterally over the plate 18 and adapted to cooperate with scales 36. These may be graduated in any suitable manner to indicate the adjustment of the clamping members for hands of different sizes, to assist in rapidly positioning the device upon the hand.

Rigid with the plate 18 is a bracket 37 of any suitable form, upon which the vibrator 38 which may be of any type adapted to the purpose is mounted, in any convenient manner. The vibrator has suitable means 39 for connecting it with the source of power, and when operated imparts to the hand the desired vibratory movement.

Between the downwardly disposed parts 12 and 13 of the relatively movable members is positioned a pad 40 of felt or any other suitable material, and positioned against the under sides of the members 10 and 11. The material of which the pad is fashioned permits it to spread and contract as necessary when the hand clamp is adjusted, and it renders the device comfortable to the user. The extremities of the pad are downwardly curved and tapered as shown most clearly in Fig. 2, so that the opening formed between the pad and the horns 14 and 15 conforms suitably to the shape of the hand. The member 11 has downwardly extending parts 41 which engage at the outside of the pad and serve to hold the same against displacement transversely of the device. The pad is also preferably attached at the parts 12 and 13, by means of stitches 42 passing through suitable openings 43 of the parts, or in any other suitable manner.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:

1. In apparatus of the class described, a holding device for a vibrator, comprising relatively movable members formed partly to encompass the hand, an adjusting member carried by one of said first members and

operatively engaging the other of said first members, and a bracket secured to one of said first members, and serving to carry the vibrator.

2. In apparatus of the class described, a holding device for a vibrator, said device comprising members arranged to slide with respect to one another, and having curved parts adapted partly to encompass the hand, a spindle journaled with respect to one of said members and operatively engaging the other of said members, whereby said spindle can be operated to slide said members relatively to one another, and a bracket secured to one of said members and serving to carry a vibrator.

3. In apparatus of the class described, a holding device for a vibrator, said device comprising members arranged to slide with respect to one another and having downwardly and inwardly disposed parts adapted partly to encompass the hand, a further member rigid with one of said first members, and a spindle journaled upon said further member and operatively connected with the other of said first members, whereby the movement of said spindle serves to adjust said first members, said further member having means for carrying a vibrator.

4. In apparatus of the class described, a holding device for a vibrator, said device comprising relatively movable members arranged to slide with respect to one another and each having a horn disposed partly to encompass the hand, a plate rigidly connected with one of said members, said plate having bearings, a threaded spindle journaled in said bearings and having means whereby it can be manipulated, and a block rigid with the other of said members and having a threaded opening receiving said spindle, said plate having means for carrying a vibrator.

5. In apparatus of the class described, a holding device for a vibrator, said device comprising relatively movable members arranged to slide with respect to one another and each having a horn disposed partly to encompass the hand, a plate rigidly connected with one of said members, said plate having bearings, a threaded spindle journaled in said bearings and having means whereby it can be manipulated, a block rigid with the other of said members and having a threaded opening receiving said spindle, said plate having means for carrying a vibrator, and a pad positioned under said members, one of said members having parts adapted to hold the same in place.

6. In apparatus of the class described, a holding device for a vibrator, said device comprising relatively slidable members, each having a downwardly and rearwardly disposed horn arranged to be positioned at the palm of the hand, one of said members hav-

ing a slot, a slotted plate having a part extending through said slot of said member and rigidly secured thereto, a block positioned within said slot of said plate and
5 rigidly secured to said slotted member, said plate having bearings, a threaded spindle journaled in said bearings, said block having a threaded opening receiving said threaded spindle, said spindle having means
10 for its manipulation, and a pad under said member.

7. In apparatus of the class described, a holding device for a vibrator, said device comprising relatively movable members
15 adapted to fit upon the hand, means for

holding said members in a plurality of relative adjustments, and means for mounting the vibrator upon one of said members, one of said members having associated therewith a pointer, the other of said members having
20 associated therewith a scale adapted to cooperate with said pointer to indicate the relative adjustments of said members.

In testimony whereof I have signed my name to this specification in the presence of
25 two subscribing witnesses.

JOHN SABATINO.

Witnesses:

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