Nov. 13, 1951 J. WERNER 2,574,945

MASSAGE VIBRATOR

Filed April 8, 1950

FIG. 1

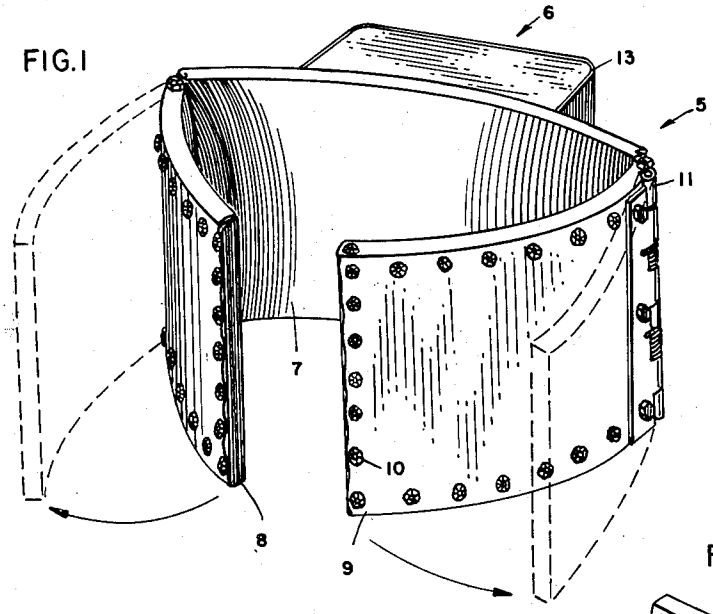


FIG. 3

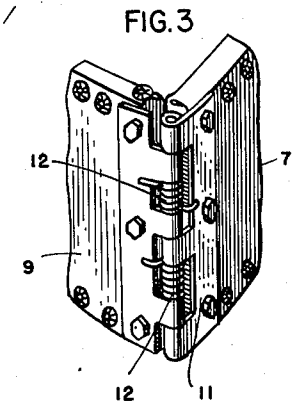


FIG. 2

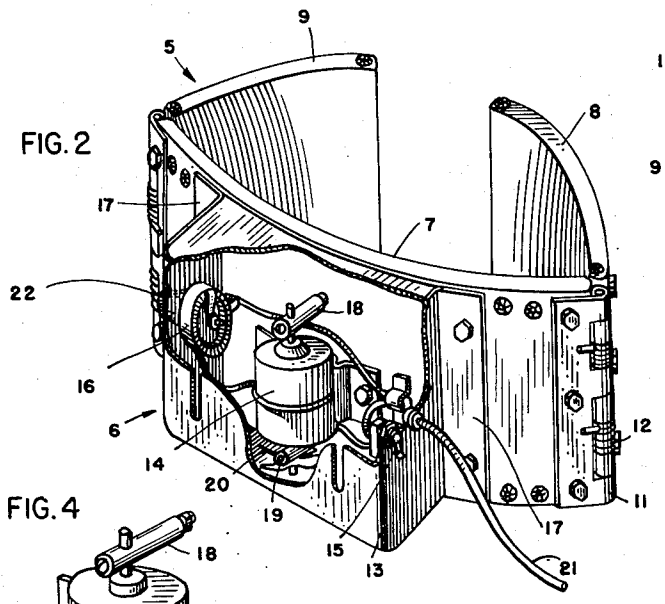
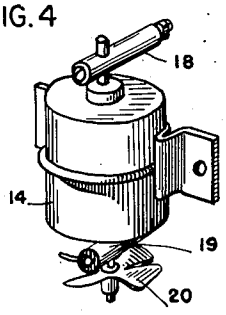


FIG. 4



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ATT'YS

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MASSAGE VIBRATOR

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4 Claims. (Cl. 128—36)

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This invention relates to improvements in a massage vibrator, particularly of a type suitable for use by a person on his own body.

It is well known that body massage by means of percussions obtained from a vibratory instrument tends to harden the muscles, relieve nervous tension, and strengthen wearied nerves. Massage vibrators heretofore provided have not been convenient for personal use in the home by one desiring the benefits of such bodily stimulation.

The main objects of this invention, therefore, are to provide a massage vibrator adapted for personal use and capable of easy application to almost all parts of the body; to provide a massage vibrator of this kind having an improved form of vibration applicator whereby parts thereof may be relatively adjusted to embrace and form contact with the smaller as well as the larger parts of the body; and to provide a massage vibrator of this kind which is simple in construction, light in weight, and convenient to use.

A specific embodiment of this invention is shown in the accompanying drawings, in which:

Figure 1 is a perspective view of an improved massage vibrator constructed in accordance with this invention, the wings of the vibration applicator being shown in full and dotted outlines in their contracted and extended relationships to the base part of the vibration applicator.

Fig. 2 is a rear view of the same, a part of the housing of the vibrator unit being broken away so as to more clearly show the construction and the internal arrangement of the parts thereof.

Fig. 3 is a fragmentary, perspective showing the hinge connection of the relatively swingable parts of the vibration applicator, and

Fig. 4 is an enlarged perspective view of the motor and its vibration creating arms.

An improved massage vibrator constructed in accordance with this invention comprises a vibration applicator 5 and a motor driven vibrator element 6.

The vibration applicator 5 consists of a base 7 and a pair of wings 8 and 9. Each of these parts is of elongated rectangular shape and arcuately formed. The two wings 8 and 9 are each approximately equal to one-half the over-all length of the base 7. These three parts may be formed of any suitable material such as wood or a plastic. Preferably they should be as light as possible consistent with reasonable rigidity.

The entire surface of all three of these parts is preferably covered with an appropriate upholstery material, leather or a leather substitute. This material is suitably stretched and secured

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in place by upholstery tacks 10 having ornamental heads and arranged around the outside perimeters of the base 7 and the wings 8 and 9 to lend an attractive appearance to the device as a whole. The inner surface of the base 7 and the wings 8 and 9 is made convex transversely of their lengths either by so shaping the material out of which these parts are made or by a padding under the upholstery covering material.

The wings 8 and 9 are secured at opposite ends of the base 7 by hinges 11 equipped with relatively stiff springs 12 which normally urge the wings 8 and 9 inwardly toward each other and the base part 7.

These parts of the vibration applicator 5 being so shaped and connected make it possible for the device to be arranged to encircle or at least partially embrace almost any part of the body and provide contact of parts of the body with the three inner convex-concave surfaces of the vibration applicator. Thus, the device may be placed around the abdomen with the wings pressing against the back or vice-versa with the base part in contact with the back of the body and the wings pressing against the front sides. Or, the device may be placed around the legs with the base above or below and the wings pressing against the opposite side.

The vibrator element 6 comprises a housing 13 wherein is mounted a motor 14, the current to which is controlled by a switch 15 and the speed of which is controlled by a rheostat 16.

The housing 13 is provided with lateral flanges 17 which permit it to be rigidly secured to the back of the base 7 of the vibration applicator 5 and through which the vibrations are to be transmitted to a body in contact therewith.

The motor 14 is equipped with eccentrically mounted bars 18 and 19 and a fan 20. The eccentric mounting of the bars 18 and 19 provides the vibratory action which is conveyed through the vibration applicator to the body with which it is in contact. The fan 20 helps to keep the motor 14 cool.

The switch 15 is connected to a cable 21 which leads to a suitable plug adapted for insertion in a conventional receptacle.

The rheostat 16 is provided with a rotatable button 22 exterior of the housing 13, the turning of which controls the speed of the motor 14 and hence the degree of vibration which is directed to the body through the vibration applicator 5.

Variations and modifications in the details of structure and arrangement of the parts may be

resorted to within the spirit and coverage of the appended claims.

I claim:

1. A massage vibrator comprising an arcuately-shaped rectangular base, a vibrating unit fixedly mounted on said base, and non-flexible arcuately-shaped rectangular wings spring hinged at the ends of said base and adapted to swing toward and away from said base to cooperate therewith to embrace portions of the body to be massaged, said vibrator unit imparting vibrations to said base and wings simultaneously.

2. A massage vibrator comprising a non-flexible arcuately-shaped rectangular base having the inner face thereof convexed transversely of the arcuate direction, a vibrating unit fixedly mounted on the opposite face of said base, and a pair of non-flexible arcuately shaped wings spring hinged at the ends of said base each of said wings being convexed transversely of the arcuate direction and mounted for swinging movement toward and away from said base to cooperate therewith to embrace portions of the body to be massaged, said vibrator unit imparting vibrations to said base and wings simultaneously.

3. A massage vibrator comprising a non-flexible arcuately-shaped rectangular base having the inner face thereof convexed transversely of the arcuate direction, a vibrating unit rigidly mounted on and part of the opposite face of said base, a pair of non-flexible arcuately shaped wings, each of said wings being convexed transversely of the arcuate direction and spring-actuated hinges connecting said wings to the ends of said base and normally urging said wings toward said base to cooperate therewith to embrace portions of the body to be massaged, said vibrator unit imparting vibrations to said base and wings simultaneously.

4. A massage vibrator comprising a non-flexible arcuately-shaped rectangular base having the inner face upholstered to form a surface convexed transversely of the arcuate direction, a pair of non-flexible arcuately shaped rectangular wings each approximately equal to one-half the length of said base and having its inner face upholstered to form a surface convexed transversely of the arcuate direction, and spring actuated hinges securing said wings to the ends of said base whereby said wings are normally urged toward said base to cooperate therewith to embrace portions of the body to be massaged, said vibrator unit imparting vibrations to said base and wings simultaneously.

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