J. THORELL.

ELECTRIC MASSAGE APPARATUS.

APPLICATION FILED JAN. 23, 1913.

1,079,276. Patented Nov. 18, 1913.

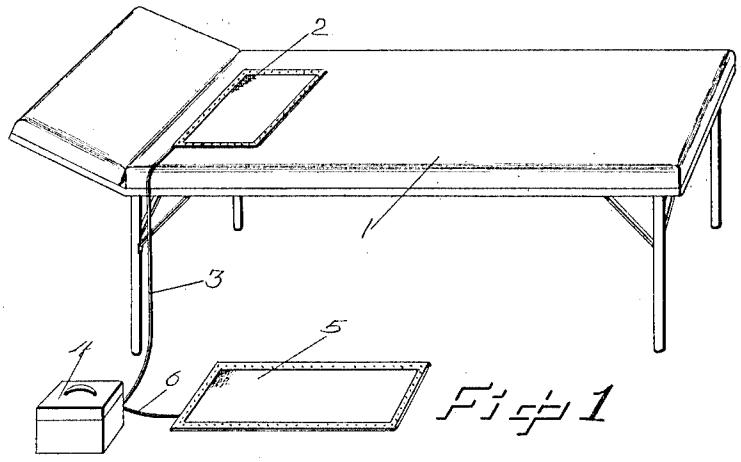
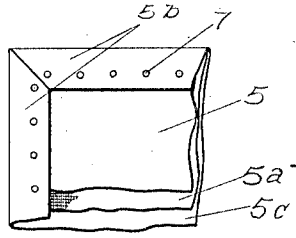


Fig. 1



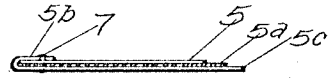


Fig. 2

Fig. 3.

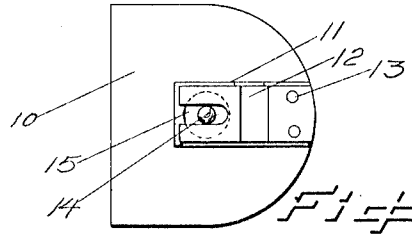


Fig. 5.

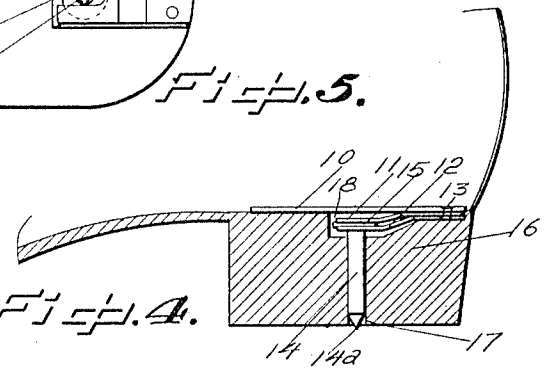


Fig. 4.

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ELECTRIC MASSAGE APPARATUS.

1,079,276. Specification of Letters Patent. Patented Nov. 18, 1913.

Application filed January 23, 1913. Serial No. 743,765.

To all whom it may concern:

Be it known that I, JUSTINA THORELL, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Electric Massage Apparatus, of which the following is a specification.

The present invention relates to electric massage apparatus, and has for its object to provide an apparatus for the use of masseurs, and others in the application of electricity in the treatment of disease.

A further object is to provide such a device whereby the patient himself can apply the treatment.

A still further object is to provide means for controlling the amount of current which the patient will receive.

These and other objects are accomplished by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is a perspective elevation showing an operating table, with the electrical apparatus. Fig. 2 is a transverse sectional view of the floor pad. Fig. 3 is a detail plan view of a portion of the pad. Fig. 4 is a sectional view of a shoe showing means for establishing electric contact of the operator with the metallic structure of the pad. Fig. 5 is a bottom plan of the plate 10, with bars 11 and 12.

Referring to the drawing in detail, 1 represents a table adapted to the use of masseurs, upon which is placed a pad 2, which is faced with a wire netting adapted to convey to the body of the patient lying thereon, the current of electricity carried by the wires 3 from the battery 14.

5 represents the covering of a floor pad formed of the leather, or other base 5^c upon which is placed a wire netting 5^a covered with fabric of any suitable design, and the wire 6 leads to the netting 5^a, and the edges of the leather base are folded upon the upper surface, where they are secured by the rivets 7.

In the operator's shoe is secured a metallic plate 10 to the lower side of which is attached a spring arm 11, the free end of which is adapted to rest in the cavity 18, of the heel 16. Below the arm 11 is another arm 12 forked at one end, both of which are secured to the plate 10 by means of screws 13 at the rear end, so as to hold the said arms, with the forward ends standing free from the plate 10. Leading from cavity 18 is an aperture 17 adapted to receive the pin 14, having the projecting terminal point 14^a, the head 15 of which is held between the free ends of the arms 11 and 12, the shank engaging in the fork of arm 12. This spring allows the pin to recede so as not to injure the floor and yet it will force the pin through the fabric 5 to contact with the metal 5^a. In this manner there will be established electrical communication to the battery 4 through the pads which is communicated to the patient by placing the hands of the operator upon his body.

Having thus described my invention, what I claim, is—

An electric massage apparatus including an electrical battery and circuit wires, a patient pad, a metallic covering therefor connected to one of said circuit wires, an operator's pad comprising a base, an inner metallic element connected to the other of said wires and a fabric covering therefor, a metallic plate worn upon the heel of the operator, spring bars connected therewith, and a pointed metallic pin connected to said bars adapted, upon pressure from the operator's foot, to pierce the fabric covering and yieldably contact with the metallic member of the pad.

In testimony whereof I affix my signature in presence of two witnesses.

JUSTINA THORELL.

Witnesses:
E. E. HECKBERT,
HAZEL A. ARMSTRONG.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."