

Aug. 30, 1927.

T. H. DAVID

1,640,536

CHIROPRACTIC ADJUSTING AND MASSAGING DEVICE

Filed Nov. 30, 1925

Fig. 1.

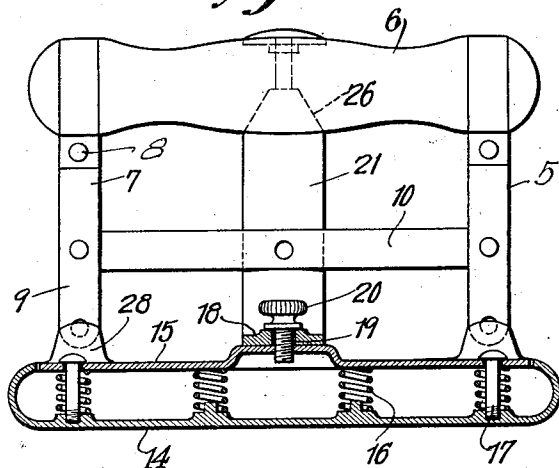


Fig. 2.

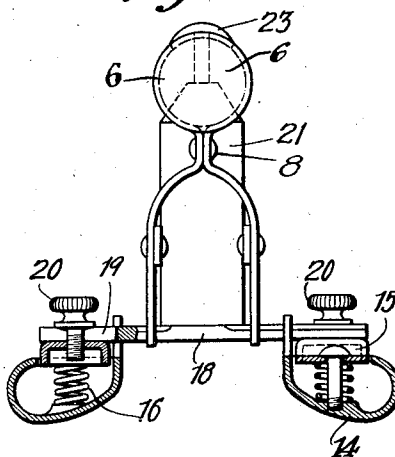
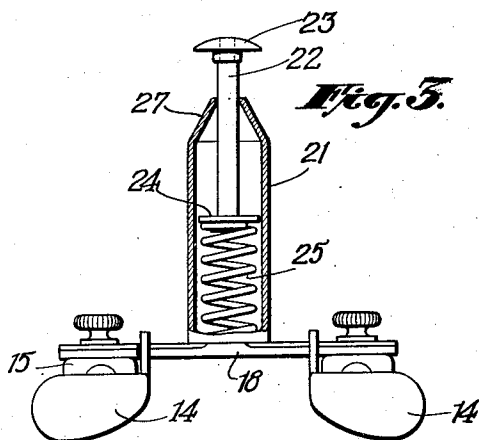


Fig. 3.



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Patented Aug. 30, 1927.

1,640,536

UNITED STATES PATENT OFFICE.

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CHIROPRACTIC ADJUSTING AND MASSAGING DEVICE.

Application filed November 30, 1925. Serial No. 72,331.

This invention relates to chiropractic massaging and adjusting devices and in particular to one which is adapted to be used by the patient in his home to treat the spinal column.

A particular object of the invention is to provide a combined massaging and adjusting device which can be made of a minimum number of parts and which can be adapted for use by arranging the parts and fitting them together so that they can be used for massage or adjusting purposes.

In deformities of the spine which are corrected by chiropractic treatments, the segmental vertebrae sections become slightly disarranged, that is, one of these vertebra will get out of alignment due to some mishap to the spine with the result that the patient suffers various nervous diseases and in order to correct this condition and to put the vertebrae segments back into alignment, massage and adjustment is necessary. In making the adjustments, it is usual to apply pressure in the form of a slight shock which will urge the dislocated segment back into position, and to this end, I have provided a concussion device for adjustment, which can be used in the patient's home.

Referring to the drawings, wherein I have shown a preferred embodiment of my idea,

Figure 1 is a view showing the assembly of a portion of the massaging device together with an adjusting device, a part of the view being shown in section to show the interior construction of the adjusting concussion element.

Figure 2 is a view in end elevation, a part thereof being shown in section of the adjusting device as illustrated in Figure 1, and

Figure 3 is a view in end elevation of the adjusting device, a part thereof being shown in section to disclose how the same is used to impart to the spine a concussion for adjustment of the vertebrae.

Referring to the drawings in detail, 5 indicates generally the device, which comprises the handle 6, carrying at the ends thereof the frame pieces 7 which are held together as by the rivet 8 and formed in their lower portion to provide the legs 9, these legs being connected with the side straps 10.

It is evident that the lower portions of the legs 9 are in yieldable relation to each other and are maintained at fixed distances apart by suitable adjusting screws.

Referring to the drawings in detail, wherein I have shown an adjusting device, 14 indicates the pad numbers which are hollow and shaped in cross-section to conform to the shape of the spinal vertebrae. These pad members are provided with a cover 15, which is held in yieldable relation with the bottom of the pad 14 through the medium of the springs 16, which are positioned within the pad. The cover 15, therefore, is held in position and is guided by the screws 17, which are disposed in the pad member 14, as shown. This construction is shown in Figures 1 and 2, wherein I have combined the frame of the massage device with the adjusting device so that a firmer hold can be had thereon during treatment of the patient. The pad members 14 are connected by a suitable bridge piece 18, having in the outer ends thereof, slots 19, through which pass the adjusting screws 20, whereby the pads can be moved relatively toward or away from each other to fit the person upon which the device is to be used.

At the center of the bridge 18, there is secured, in any suitable manner, the spring housing 21, through the top of which passes the plunger 22, carrying at its upper end in threaded relation, the nut or palm piece 23, and, at its lower end, the plate 24. This plate 24 rests on top of a coiled spring 25, and it is evident from inspection of Figure 3, that when the device is placed on the spinal column for adjusting the vertebrae of the patient and when the palm piece 23 is struck by the palm of the hand, a gentle blow will be given the vertebra thereby adjusting any of the vertebra that are out of alignment. The spring 25 will of course, take up the shock given the palm piece 23 by the hand of the operator.

In order to make the manipulation of the adjustment device more convenient, I provide means whereby the handle portion and frame of a massage device may be used in conjunction with the adjustment device and to this end, I have provided in the handle 6 of the massage implement, the opening 26 which accommodates the conical upper end of the housing 21 of the adjustment device. By removing the nut or palm piece 23 of the adjustment device, the handle 6 and frame pieces 7, which are permanently attached thereto may be placed over the housing 21 and secured thereto by threading the palm piece 23 on the end of the plunger 22. In

order to prevent any sidewise movement of the leg 9, I provide on the cover 15, the projection 28.

It is evident therefore, that I have provided an improved adjusting device for use in chiropractic treatment of the spine which can be used in the manipulation of the spine for adjustment purposes and may be used to impart to the vertebræ the slight jar necessary for placing said vertebræ in proper alignment.

The pads 14 may be covered with any soft material and are so shaped and adapted for adjustment that they will properly fit the spinal column at either side thereof to gradually bring the vertebræ which have been misplaced by accident, or otherwise, into proper alignment.

The adjustment device constitutes a chiropractic implement that can be readily used in the patient's home to further treatment desired in correcting defects to the spinal column.

Having described my invention what I claim is:—

1. A chiropractic treatment device comprising a pair of spaced pad members, covers therefor held in yieldable relation with the pads, a bridge connecting said covers, means in said bridge whereby relative adjustment of said pads is obtained and a spring supported plunger associated with the bridge through which a blow directed to the device will be yieldably transmitted to said pads.

2. A spinal treating device comprising a

series of pad members, means for adjusting the width apart of said pad members, vertically yieldable covers for said pad members, a bridge connecting said covers, a housing on said bridge, a plunger in said housing, and a yieldable connection between the bridge and the plunger whereby a sudden blow given said plunger will be softened before the same is transmitted to said pads.

3. A chiropractic treatment device comprising pad members, the inner edges of which slope upwardly so that the pads will snugly fit the spine, pins carried by the pads, covers carried by the pins and yieldably held in spaced relation with the bottoms of the pads, a bridge connecting said covers, means for adjusting the distance between the pads to suit the spinal column to be treated, and an operating handle associated with said device.

4. A chiropractic treatment device comprising an elongated pad member, the inner edges of which slope upwardly so that the pads will snugly fit the spine, pins carried by the pads, covers carried by the pins and yieldably held in spaced relation with the bottoms of the pads, a bridge connecting said covers, means for adjusting the distance between the pads to suit the spinal column to be treated, a housing adapted to serve as a handle disposed on said bridge, and a plunger in the housing yieldably spaced from said bridge.

In testimony whereof I affix my signature.

TANOUS H. DAVID. [L. s.]