

G. M. DEANE.
CLAMP.
APPLICATION FILED JAN. 12, 1921.

1,424,884.

Patented Aug. 8, 1922.

Fig. 1.

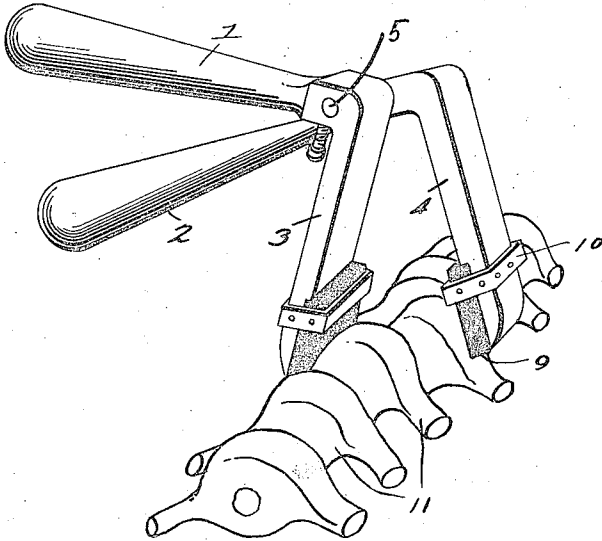


Fig. 5.

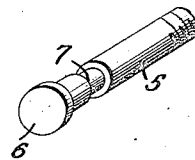


Fig. 2.

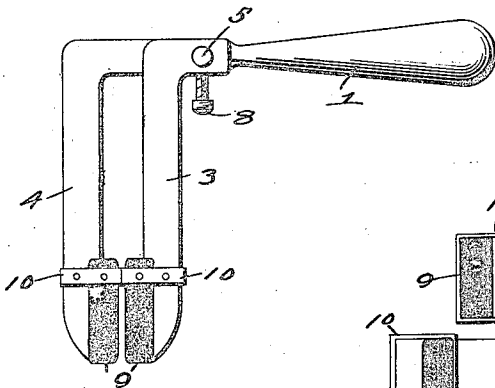


Fig. 3.

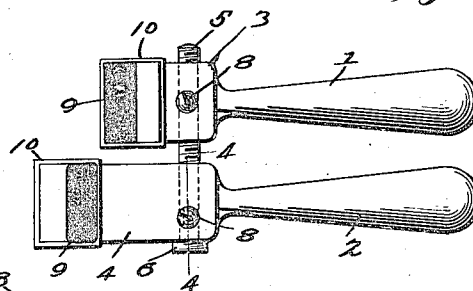
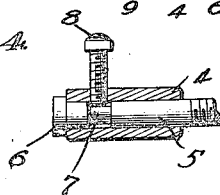


Fig. 4.



WITNESSES

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CLAMP.

1,424,884.

Specification of Letters Patent.

Patented Aug. 8, 1922.

Application filed January 12, 1921. Serial No. 436,767.

To all whom it may concern:

Be it known that I, GRANVILLE M. DEANE, a citizen of the United States, and a resident of Dallas, in the county of Dallas and State of Texas, have invented certain new and useful Improvements in Clamps, of which the following is a specification.

My invention is an improvement in clamps, and has for its object to provide a device of the character specified, especially adapted for use by chiropractics in the treatment of spinal troubles for adjusting the vertebra with respect to each other.

In the drawings:

Figure 1 is a perspective view showing the improved clamp and the manner of using the same,

Figure 2 is a front view,

Figure 3 is a view looking at the engaging ends of the clamping jaws,

Figure 4 is a section on the line 4—4 of Figure 3,

Figure 5 is a perspective view of one end of the pivot screw.

In the present embodiment of the invention, a pair of handle members 1 and 2 is provided, each having at one end a laterally extending jaw 3 and 4 respectively. The jaws 3 and 4 extend at approximately right angles with respect to the handles, as clearly shown in Figure 2, and the handles are pivotally connected at the junction of the jaws therewith.

This connection is by means of a pin 5 which is provided at one end with a head 6, and near each end with an annularly reduced portion 7. This pin is threaded at the end remote from the head for engaging the handle members the pin passing through openings extending transversely of the handle members near the junction of the arms 3 and 4 therewith, and a set screw 8 is threaded through each handle member into engagement with the adjacent annular

groove 7 of the pin to prevent disengagement of the parts.

A cushion or pad is connected with each gripping jaw on the engaging faces thereof. Each of these cushions or pads indicated at 9 is of suitable cushioning material as for instance rubber, and each pad is held on the gripping jaw by means of substantially rectangular frame members 10, the said frame members engaging the pads and the jaws, and being riveted to both. Preferably the cushions or pads are slightly channel-shaped, as indicated in Figures 1 and 2. The recess or longitudinal channel snugly receives the jaws.

In operation, the gripping jaws are engaged with opposite sides of the spinal column, as shown in Figure 1, one jaw being engaged with that vertebra 11 which is to be adjusted, while the other is engaged with an adjacent vertebra. When now the handles are pressed toward each other, the displaced vertebra will be moved into place.

I claim:

1. A device of the character specified, comprising a pair of handle members each having at one end an angular jaw, a rod on which the two handle members are pivoted alongside each other, the jaw of one handle member being spaced further away from the pivoted pin than the jaw of the other handle member for the purpose specified, and cushioning pads on the engaging faces of the jaws.

2. A device of the character specified, comprising a pair of handle members each having at one end an angular jaw, a rod on which the two handle members are pivoted alongside each other, the jaw of one handle member being spaced further away from the pivot pin than the jaw of the other handle member for the purpose specified.

GRANVILLE MAY DEANE.