July 1, 1958 A. P. HUDGINS 2,841,141

THERAPY BED

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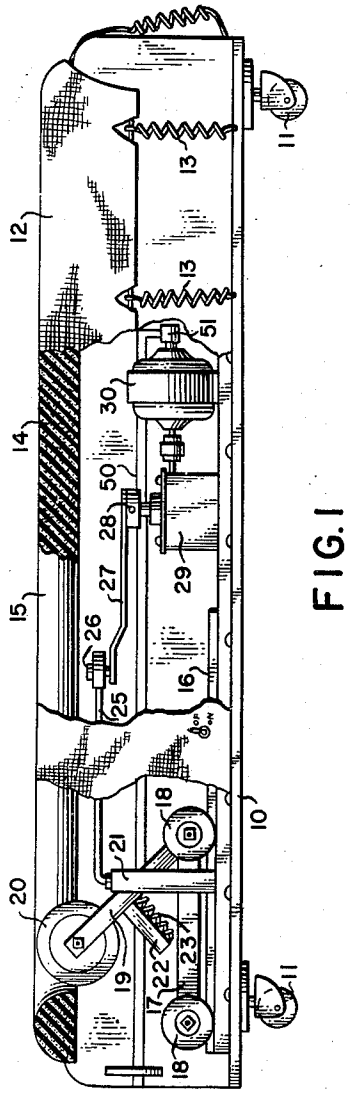


FIG. 1

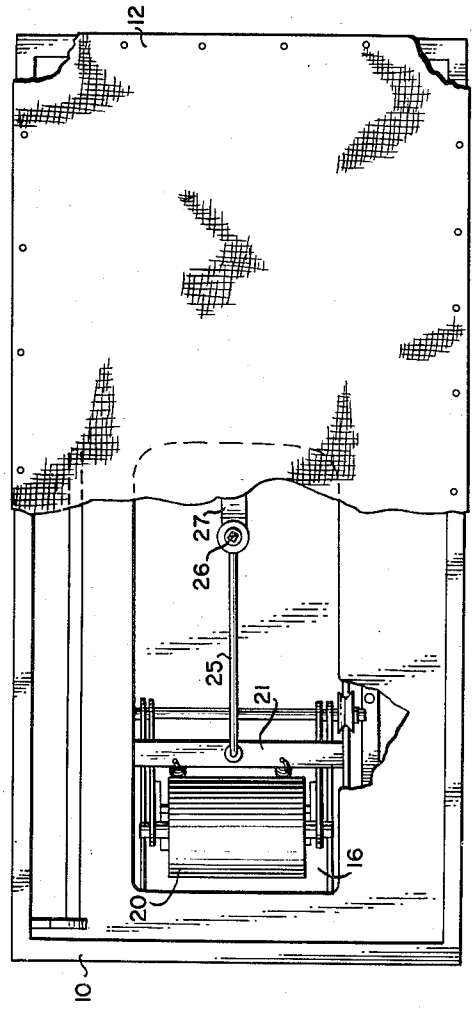


FIG. 2

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1 Claim. (Cl. 128—57)

The present invention relates to a therapy bed and it consists in the combinations, constructions and arrangements of parts herein described and claimed.

Generally there is provided a bed provided with a canvas cover and having mounted therein a motor which operates to horizontally reciprocate a roller beneath the upper portion of the bed to thus thereby apply a gentle massage to a patient or person lying upon the bed.

It is accordingly an object of the invention to provide a device of the character set forth which is simple in construction, inexpensive to manufacture and yet effective and efficient in use.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawing, in which:

Figure 1 is a side elevational view, partly broken away, of an embodiment of the invention,

Figure 2 is a plan view, partly broken away, of the device illustrated in Figure 1.

Referring more particularly to the drawings, there is shown therein a device of the character set forth comprising a longitudinally extending frame **10** provided with a plurality of supporting wheels **11**. The frame is provided with a canvas cover **12** which is maintained in position by a plurality of tension springs **13** interconnecting the outer edges of the cover with the lower portion of the frame **10**. Beneath the cover **12** there is provided a padding **14** which is provided adjacent the "head end" of the bed with an elongated opening **15**.

A trackway **16** is mounted in the lower portion of the frame **10** and has reciprocally mounted thereon a car **17** having wheels **18** engaged in such trackway. Extending upwardly and rearwardly from the forward portion of the car **17** is a pair of arms **19** having transversely mounted in the upper portions thereof a massaging roller **20** covered with soft rubber or the like, the roller **20**

being adapted to bear against the underside of the cover **12** within the opening **15**.

The car **17** carries a vertical standard **21** and the arms **19** have extending downwardly therefrom brackets **22** the outer ends of which are interconnected with the standard **21** by means of tension springs **23** to normally force the roller **20** into contact with the canvas cover **12** as aforesaid.

A rod **25** extends forwardly and is pivotally connected, as at **26**, to a crank arm **27** whose other end is affixed to the shaft **28** of a reduction gear assembly **29** which is mounted in the lower end of the frame **10** and which reduction gear assembly **29** is driven by an electric motor **30** likewise mounted in the frame **10**.

In the operation of this portion of the invention, it will be apparent that as the motor **30** is driven, it will act to revolve the shaft **28** and hence move the crank **27** to thus reciprocate the rod **25** and consequently move the car **17** and the massaging roller forwardly and rearwardly to thus massage gently the head and shoulders of a patient who may be lying upon the cover **12**.

While but one form of the invention has been shown and described herein, it will be readily apparent to those skilled in the art that many minor modifications may be made without departing from the spirit of the invention or the scope of the appended claim.

What is claimed is:

In a spinal massage apparatus, a frame, a sheet of canvas or the like covering the frame, padding mounted on the frame beneath the sheet, adjacent one end thereof, said padding having an opening therein, a trackway mounted on the lower portion of the frame, a car having wheels mounted on said trackway, a pair of arms extending upwardly and rearwardly from the forward portion of the car, a massaging roller transversely mounted on the upper ends of said arms and extending through the opening to bear against the under surface of the sheet, resilient means to normally urge the roller into engagement with the sheet, a motor mounted on the frame, and means connecting the motor and car to reciprocate the car.

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