Feb. 4, 1947. R. R. TEMPLE 2,415,266

BODY OR FOOT REST

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Fig. 1.

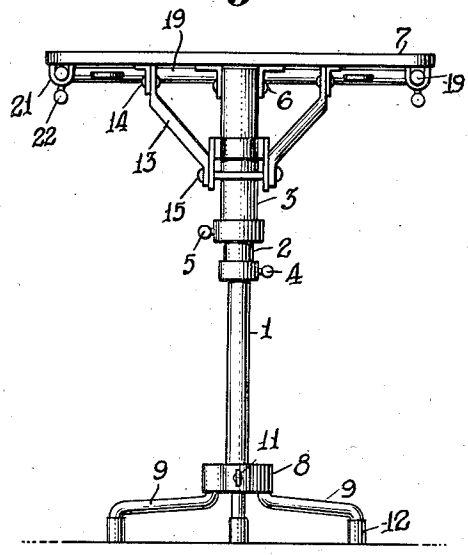


Fig. 2.

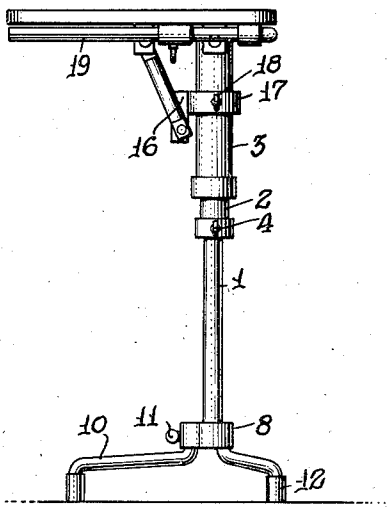


Fig. 3.

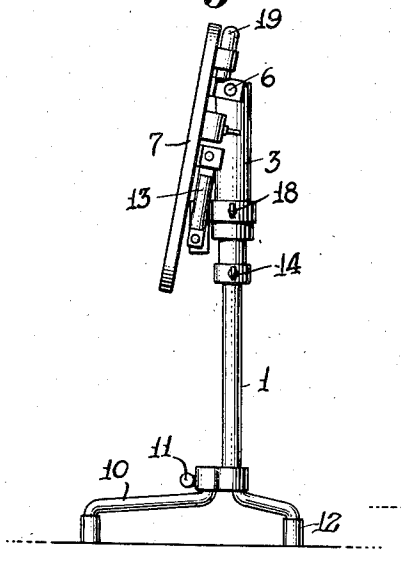
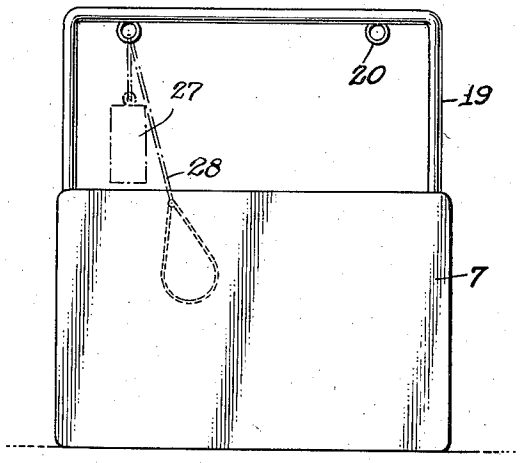


Fig. 4.



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Fig. 5.

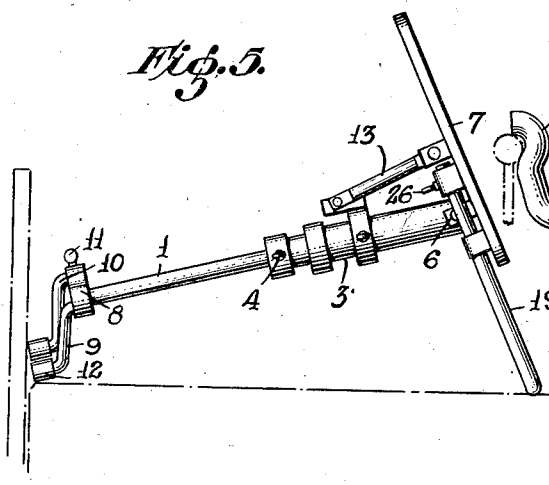


Fig. 10

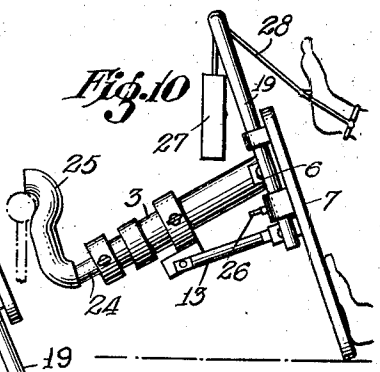


Fig. 6.

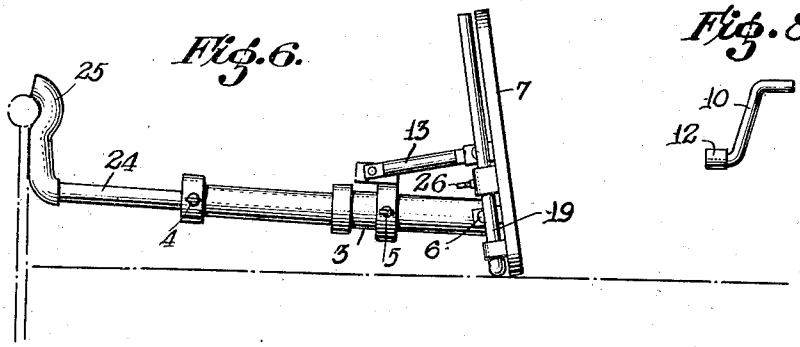


Fig. 8.

Fig. 7.

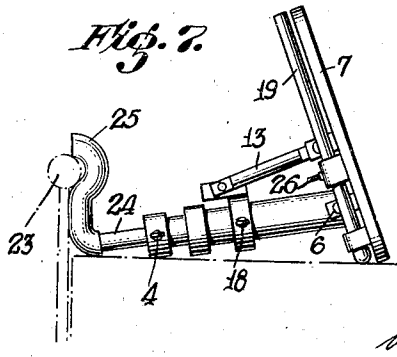
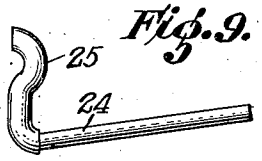


Fig. 9.



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BODY OR FOOTREST

Roy R. Temple, Brodnax, Va.

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5 Claims. (Cl. 5—327)

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My invention relates to a new and useful device for the comfort and aid of bed patients by giving them a means of support and rest in numerous positions in bed as well as providing a limited amount of exercise while still in a prone position.

The objects of my invention are, first, to provide a simple, light, and inexpensive foot rest and back rest for bed patients adaptable for home as well as for hospital use; second, to provide a device of this character that is adjustable to various lengths and angles to adapt it to persons of different heights; third, to provide means, particularly for use in homes, for suspending and holding tension on a broken leg or hip; and fourth to provide a device or instrument adaptable for use as a table or stand, with particular attention to its use in a sick room but which is adapted for use in other situations.

Other objects and advantages will become apparent from the description which follows.

Figure 1 is a front view of the device when used as a stand or table,

Figure 2 is a side view of the same,

Figure 3 is a side view with the table top in a lowered position,

Figure 4 is a detail view of the table top, when the device is used as a table, and of the foot or back rest when used for that purpose.

Figure 5 is a side view of the device when used as either a foot or a back rest, with the back elevated,

Figure 6 is a similar side view showing the back or foot rest portion resting on the bed,

Figure 7 is a side view of the device used as a foot rest with the parts in collapsed position,

Figures 8 and 9 are detail views of legs hereinafter described, and

Figure 10 is a side view of the device showing its use for suspending a patient's leg or foot.

In the drawings numerals 1, 2, 3 denote posts or supporting members or connecting members between the legs and the back or foot rest plate. These members are telescopingly arranged to collapse one within the other. Member 1 slides within member 2, member 2 within member 3, the post 3 being pivotally attached at 6 to a back or foot supporting plate, hereinafter referred to as the back plate 7. Posts 1 and 2 are held in adjusted position by means of set screws 4 and 5 respectively.

The bottom post is secured to or made integral with a collared portion 8. Legs 9 are secured in holes in the collared portion 8. They may be removable from the collared portion but prefera-

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bly are fixed in place. The leg 10 is removably secured in a hole in the end of the collared portion and is secured therein by means of a set screw 11. The leg 10 not only may be removed from the collar but may be swung about and secured in any desired position, as is shown, for example, in Figure 5. The legs 9 and 10 have rubber or other cushioning nubs 12 for an obvious purpose.

The back plate 7 is connected by means of a link 13 with a collar 17, being pivotally attached to said plate 7 at 14 and attached to the collar at 15. The collar 17 is slidable on the post 3 and is held in adjusted position by means of a set screw 18.

A U-shaped member 19, adapted to serve as a prop, is supported on the under side of the back plate 7 in ported lugs 21 and is held in adjusted position by set screws 22. From the construction shown it is apparent that the U-shaped member 19 may be secured beneath the back plate, as in Figure 6, or may be projected below or above said plate, as shown in Figures 5 and 10 respectively. Eye portions are provided on the U-shaped member as shown at 20 thru which a cable 28, may extend, the cable having a weight thereon as shown at 27. The cable may be provided with a loop portion to support the leg of a patient as shown in Figure 10.

When the device is used either as a foot or back rest the post 1 may be removed and a single leg 24 may be adjustably positioned in the post 2 as shown in Figures 6 and 7. The leg 24 has a transversely bent foot portion 25 shaped and dimensioned to engage a bed frame part such as the rail 23 as shown in Figures 6 and 7. This leg may be covered with a suitable rubber or other cushioning element for an obvious purpose. The leg 24 may be adjusted about its axis to throw the foot 25 to the best position to engage the bed rail 23 or equivalent bed portion.

It is obvious that the removable leg portion 24 may be used whenever desired. When the leg portions are to rest against a bed with solid panels at its head and foot the leg portion 1 with the legs 9 and 10 will be used. When the end of the bed is of open construction it will be desirable to use the leg portion 24 so that the bent portion 25 may engage over a part of the bed frame, such as rail 23.

It is obvious that the back plate may be adjusted to any angular position. It is to be noted that the leg 24 and posts 2 and 3 complementally form an extensible or telescopic standard or brace by which the back plate may be supported in the

several positions illustrated in Figures 5, 6, 7 and 10. It is also to be noted that the pivotal connection between this single supporting brace and the back plate, at 6, is not disposed at the center of said plate but is disposed much nearer one edge of the plate than to the opposed edge of the plate. By virtue of this arrangement, and the extensible prop 19, one may, by merely turning the structure upside down, get the adjustments shown in Figures 5 and 10. When the parts are adjusted to the position shown in Figure 10, not only does the U-shaped member 19, and cable 28 and weight 27 provide means for maintaining tension upon one limb of a patient but the plate provides a part against which the patient may thrust with his other foot. Thus the patient himself may to a considerable degree increase or decrease the said tension and may exercise his limbs when he desires to do so.

While the foot and back rest have been shown in several positions and in several different adjustments it is to be understood that these are but illustrative of the adaptability of the device in its many uses with bed patients. Other uses and positions will obviously be possible and are held to be within the scope of the invention. To those skilled in the art to which this device pertains other adaptations will be apparent. I, therefore, do not limit my invention to the specific showings but only to the invention as set forth in the appended claims.

What I claim is:

1. A back rest for bed patients, comprising a back plate, a telescopic standard pivoted at one end to the rear of said back plate in such manner as to permit the tilting of the back plate to varying positions of angularity with respect to the vertical, a bed frame engaging foot at the other end of said standard and a prop mounted upon the rear face of the back plate for movement outwardly with respect to said back plate and in a direction to adapt said prop to support the lower edge of the back plate in a position elevated above the bed.

2. A structure as recited in claim 1, wherein the pivotal engagement of the standard with the back plate is at a point much nearer one edge of said plate than to the opposite edge of said plate.

3. A structure of the character described, comprising a back plate, a standard pivoted at one of its ends to said plate at a point substantially centrally with respect to the width of said plate but much nearer one edge of said plate than to the opposed edge thereof, said standard comprising a plurality of slidably engaged members, that one of said members, remote from said plate being mounted to turn around the axis of the standard and being provided with a transversely extending

foot adjustable with said member around the axis of said standard, said foot having its outer face provided with a concave portion for engaging a member of a bed end to hold the structure in position upon a bed.

4. A structure as recited in claim 3, in combination with a prop of U-shape comprising a transverse horizontal member connecting a pair of side members, and means for slidably mounting said side members upon the rear face of the back plate to thereby mount said prop for movement beyond the back plate.

5. A back rest for bed patients comprising a back plate, means for supporting said back plate in varying positions of angularity with respect to the vertical, said means comprising a standard consisting of a plurality of telescoping parts, means for pivotally connecting one end of said standard to the rear of the back plate at a point much nearer to one edge of said plate than to the opposed edge thereof, and a transverse foot carried by the other end of the standard having a concave outer face for engaging a bed frame member, said foot extending transversely from the end of said standard and being mounted to swing around the axis of said standard.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
731,206	McLaughlin	June 16, 1903
1,707,505	Bishop	Apr. 2, 1929
1,564,358	Klein	Dec. 8, 1925
2,230,620	Leiter	Feb. 4, 1941
931,903	Weld	Aug. 24, 1909
1,404,448	Kroupa	Jan. 24, 1922
1,694,095	Du Moulin	Dec. 4, 1928
1,134,720	Bradley	Apr. 6, 1915
1,361,733	Jones	Dec. 7, 1920
1,399,837	Wood	Dec. 13, 1921
815,258	Brekke	Mar. 13, 1906
1,788,267	Amaral	Jan. 6, 1931
1,293,631	Diou	Feb. 4, 1919
215,773	Reynolds	May 27, 1879
2,057,311	Armstrong	Oct. 20, 1936
1,201,595	Kraemer	Oct. 17, 1916
361,810	Coblentz	July 30, 1907
390,938	Armstrong	Oct. 9, 1888
695,949	Sabin	Mar. 25, 1902
755,264	Wilcher	Mar. 22, 1904
883,325	MacMillan	Mar. 31, 1908
608,503	Allen	Aug. 2, 1898