C. W. WARLICK.

BED REST.

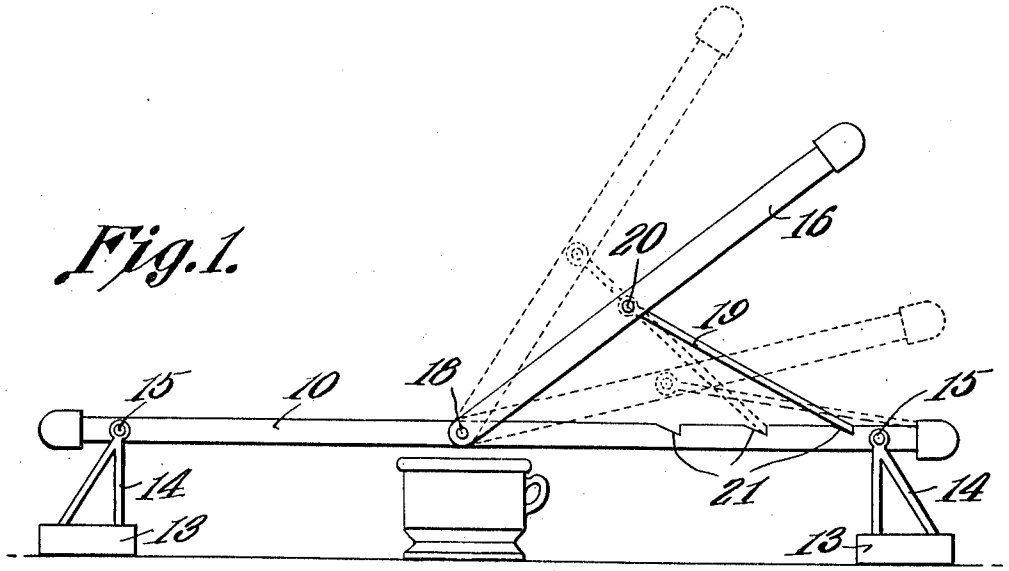
APPLICATION FILED FEB. 13, 1911.

1,019,864.

Patented Mar. 12, 1912.

2 SHEETS—SHEET 1.

Fig. 1.



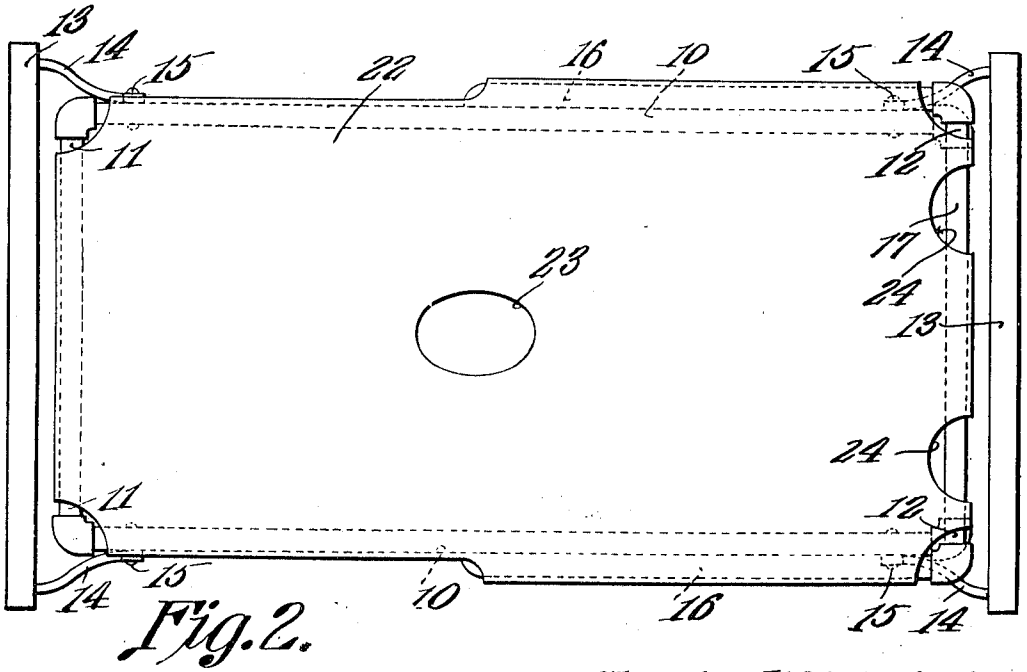


Fig. 2.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

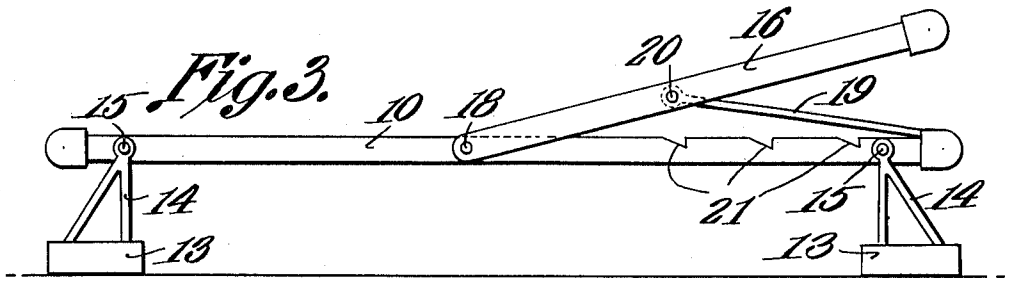


Fig. 4.

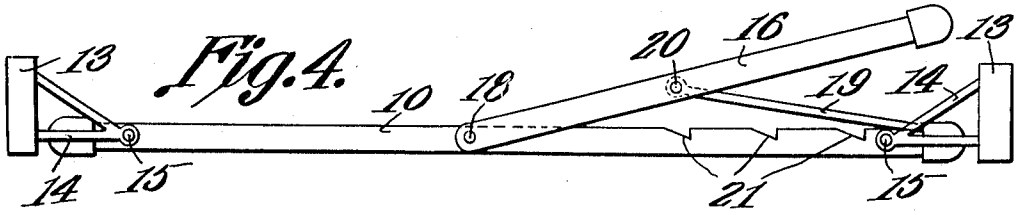


Fig. 5.

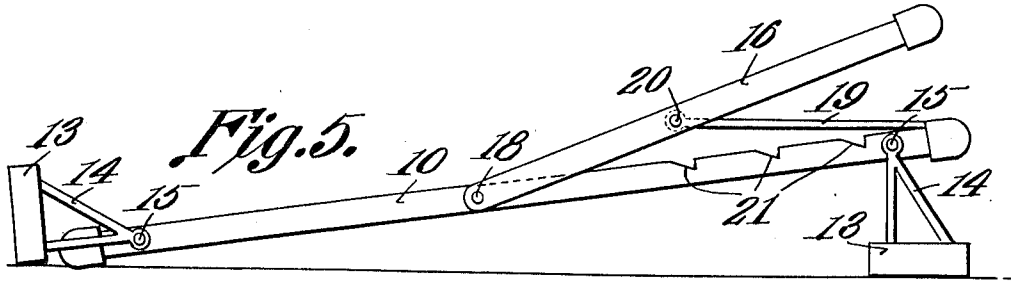
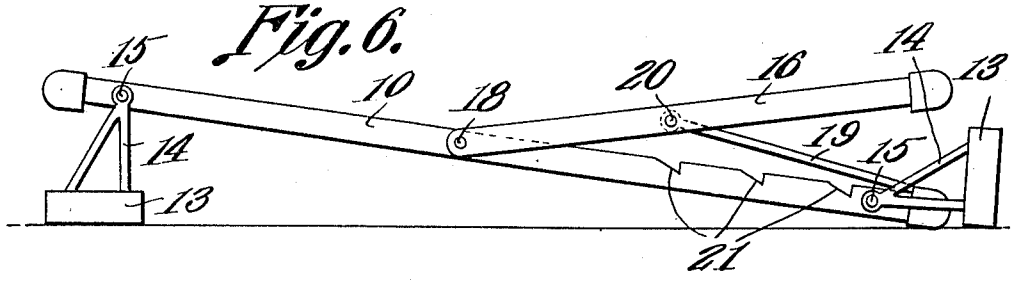


Fig. 6.



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UNITED STATES PATENT OFFICE.

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BED-REST.

1,019,864. Specification of Letters Patent. Patented Mar. 12, 1912.

Application filed February 13, 1911. Serial No. 608,243.

To all whom it may concern:

Be it known that I, CHARLES W. WARLICK, a citizen of the United States, residing at Martinsburg, in the county of Blair and State of Pennsylvania, have invented a new and useful Bed-Rest, of which the following is a specification.

It is the object of the present invention to provide an improved support for invalids, adapted to be arranged in any ordinary bed and to be caused to assume various positions for supporting the patient in practically any desired position.

The device embodying the present invention is adapted for disposal flat upon the bed clothing of an ordinary bed and to be elevated at either end, from this position; to be elevated at both ends for the purpose of supporting the patient above the surface of the bed, and adjustable to support the trunk of the patient at a greater elevation than the limbs or vice versa.

In the accompanying drawings:—Figure 1 is a view in side elevation of the device embodying the present invention. Fig. 2 is a top plan view, the same being shown folded. Fig. 3 is a view similar to Fig. 1 illustrating the device in position to support a patient in elevated position above the surface of a bed upon which the device is disposed. Fig. 4 is a similar view illustrating the device folded and in position to rest directly upon the surface of the bed. Fig. 5 is a similar view illustrating the head end of the device elevated. Fig. 6 is a similar view illustrating the foot end thereof elevated.

In the drawings, the device embodying the present invention is illustrated as including, in its structure, a hollow rectangular main frame the sides of which are indicated by the numeral 10, the foot end by the numeral 11, and the head end by the numeral 12. This frame is preferably made from metal tubing although other material may be fully as well employed if desired. At each end of the main frame there is a support therefor and each of these supports comprises a base 13 and end frames 14 which upstand from the base and are pivoted as at 15 to the sides 10 of the main frame. The point of pivotal connection of each support with the main frame is so located that when the supports are swung to folded position (see Figs. 2, 4, 5 and 6 of the drawings) the bases 13 thereof will lie beyond the respective ends of the main frame. By this arrangement, the supports in no way interfere with the main frame resting directly upon the surface of the bed upon which the device is disposed, when the supports are folded. When the supports are in use, their bases 13 rest upon the surface of the bed and the main frame is then supported in the position shown in Figs. 1 and 3 of the drawings. Furthermore, by referring to Figs. 5 and 6 of the drawings it will be observed that the supports are independently foldable so that the support at the foot end of the main frame may be folded and the support at the head end thereof extended whereby to support the head end of the main frame at a greater elevation than the foot end thereof. This arrangement may be reversed by folding the support at the head end of the frame and extending the support at the foot end thereof.

In connection with the main frame above described, and the supports therefor, it is preferable that a supplemental frame be employed so that the device as an entirety may be adjusted to support a patient in numerous positions. This supplemental frame includes sides 16 and an end 17 which connects the head end of the said sides 16. At their ends which are presented toward the foot end of the main frame, the sides 16 are pivoted as at 18 to the sides 10 of the main frame. A supporting frame 19 is hinged as at 20 to the supplemental frame and is adapted to seat in oppositely located pairs of notches 21 formed in the upper sides of the side members 10 of the main frame, whereby the supplemental frame will be supported at various angles of inclination with respect to the said main frame. Also, the supporting frame 19 is adapted to rest against the elbows or other connections between the sides 10 and head cross piece 12 of the main frame.

A sheet of canvas or other suitable material 22 is stretched in the lower or foot half of the main frame and in the supplemental frame as is clearly shown in Fig. 2 of the drawings and at the point of juncture of the main and supplemental frames, this sheet is formed with an opening 23 the purpose of which will be readily understood. At the head end, the sheet of canvas is cut away as at 24 to permit of the cross piece 17 of the supplemental frame being

grasped whereby the supplemental frame may be tilted to various angles.

By referring to Fig. 1 of the drawings it will be observed that when the main frame is supported in the horizontal position by both of the supports 14, the supplemental frame may be adjusted to assume positions at various angles with respect to the main frame and thus, the patient may be caused to assume a posture more or less resembling a sitting one.

By referring to Fig. 3 it will be observed that when both of the supports are employed, the main frame will be held elevated upon the surface of the bed upon which the device is disposed and upon which the supports rest. This allows for ventilation beneath the patient as well as on all sides and while in this position, as above stated, the supplemental frame may be adjusted as desired.

By referring to Fig. 4 it will be observed that when the supports are folded, they will extend beyond the respective ends of the main frame and the main frame may then rest flat upon the surface of the bed. Also, in this position, the supplemental frame may be adjusted as above described.

In Fig. 5, the supports for the foot end of the main frame is illustrated as folded and that for the head end as extended whereby the head end of the device will be supported at a greater elevation than the front end which is desirable in the treatment of some ailments and subsequent to certain operations.

In Fig. 6 of the drawings, the support for the head end of the main frame is folded and that of the foot end is extended whereby the foot end will be supported at a greater elevation than the head end. It is desirable that a patient who has undergone certain operations, should be supported in this position and consequently this arrangement is at times a very desirable one.

From the forgoing it will further be understood that the device may be employed, independently of a bedstead, as a cot.

What is claimed is:—

1. In a device of the class described, a main frame, two pairs of frames pivoted to the respective sides of the main frame, a base carried by the extreme ends of each pair of said pivoted frames and adapted when at right angles to the main frame to form supports therefor and when the pivoted frames are in substantially the same line with the body of the main frame to project the bases beyond the extreme ends of the main frame to provide handles for the device, and a frame pivoted to the sides of the main frame and forming a section of the main frame.

2. In a device of the class described, a main open frame rectangular in plan, a frame pivoted exteriorly to the four corners of the main frame, a foot rest attached to the respective pairs of pivoted frames and adapted to assume positions respectively at right angles to the main frame to form a support therefor or to aline therewith beyond the ends thereof to form a lifting handle therefor, a U-shaped frame having its terminals pivoted intermediate and exteriorly of the main frame, co-acting means carried by said pivoted frame and the main frame for retaining the pivoted frame at various angles relatively to the main frame and a flexible cover secured to one end of the main frame, and to the closed end of the pivoted frame.

3. In a device of the class described, a hollow rectangular frame, four angle frames, each connected to its respective end exteriorly of the main frame and of such a length as to describe an arc of a circle beyond the ends of the main frame, a rest carried by each pair of said frames and adapted when the frames are at right angles to the body of the main frame to form a support for the respective ends thereof, and when the frames thereof aline with the main frame to form lifting handles beyond the end of the main frame, a frame U-shaped in elevation having its free terminals pivoted exteriorly and intermediate of the ends of the main frame, the upper side of the main frame between one end and said pivots being notched, a brace pivoted intermediate the ends of the U-shaped frame and adapted to engage the notches of the main frame to retain the pivoted frame in various positions, and a sheet of flexible material connected to the main frame and to said pivoted frame.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES W. WARLICK.

Witnesses:
C. N. JOHNSON,
JOHN H. NICODEMUS.