

No. 896,179.

PATENTED AUG. 18, 1908.

U. G. VANCE & R. CRITSER.
INVALID BED.

APPLICATION FILED JAN. 4, 1908.

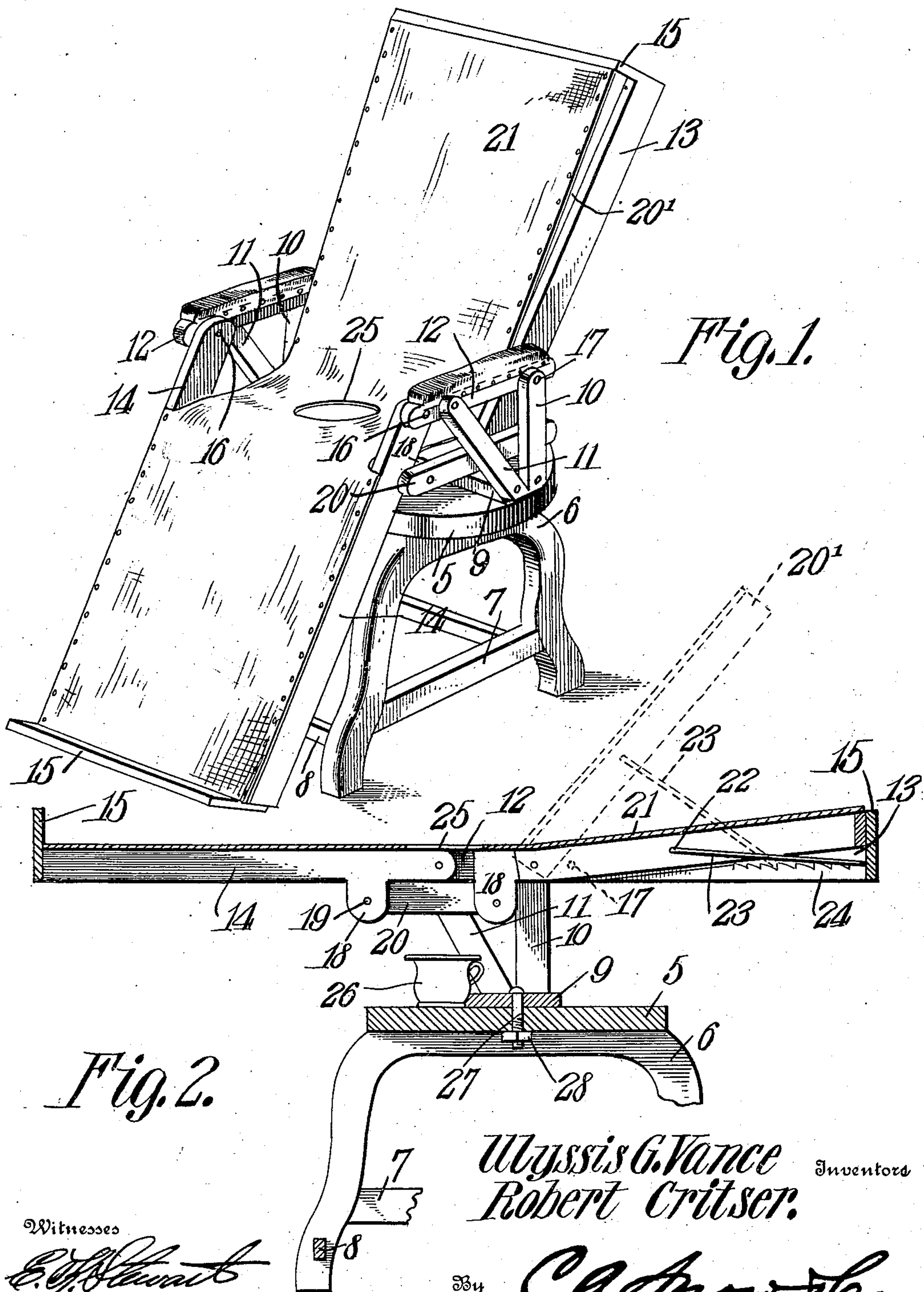


Fig. 2.

Ulysses G. Vance
Robert Critser.

Inventors

Witnesses

E. J. Hunt
L. A. Vickers

By

C. A. Snow & Co.

Attorneys

UNITED STATES PATENT OFFICE.

ULYSSIS G. VANCE AND ROBERT CRITSER, OF LAPEL, INDIANA.

INVALID-BED.

No. 896,179.

Specification of Letters Patent.

Patented Aug. 18, 1908.

Application filed January 4, 1908. Serial No. 409,340.

To all whom it may concern:

Be it known that we, ULYSSIS G. VANCE and ROBERT CRITSER, citizens of the United States, residing at Lapel, in the county of Madison, State of Indiana, have invented a new and useful Invalid-Bed, of which the following is a specification.

This invention relates to reclining chairs and has for its object to provide a comparatively simple and inexpensive device of this character which performs the dual function of a reclining chair and bed.

A further object of the invention is to provide a combined chair and bed including a base having pivotally connected head and foot sections mounted for rotation thereon and capable of being adjusted at an angle or inclination to each other thereby to permit the patient to be supported in different positions.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a combined reclining chair and bed constructed in accordance with my invention. Fig. 2 is a longitudinal sectional view of the same showing the head and foot sections disposed in horizontal position to form a bed, the head rest being shown in dotted lines in elevated position.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved device forming the subject matter of the present invention comprises a substantially circular base or support 5 provided with depending supporting legs 6, the lower portions of which are connected by longitudinal and transverse reinforcing braces 7 and 8.

Mounted for rotation on the upper flat bearing surface of the head or base 5 is a transverse bar 9 the opposite ends of which are secured to spaced uprights or standards 10 and 11 preferably arranged at an angle to

each other and to which are rigidly secured arm members 12.

Pivotally connected with the arm members 12 are head and foot sections 13 and 14 each consisting of a substantially rectangular frame having its inner end open and its outer end provided with a vertically disposed end piece 15 preferably extending laterally beyond the longitudinal side bars of the adjacent frame, as shown.

The inner ends of the side bars of the foot section 14 are pivotally connected at 16 with the adjacent ends of the arm members 12 while the side bars of the head section 13 are also pivotally connected with the arm members, as indicated at 17.

Depending from the longitudinal side bars of the head and foot sections are lugs 18 to which are pivotally connected at 19 horizontally disposed links 20 preferably disposed parallel with the arm members 12, as shown, so that said sections may be adjusted at an angle or inclination with respect to the supporting base.

Pivotally mounted between the inner ends of the section 13 is a head rest 20' to which is secured a strip of canvas or other flexible medium 21, which latter is also secured to the foot section 14 and constitutes the bottom of the bed when the sections are swung upwardly to the horizontal position shown in Fig. 2 of the drawings.

Pivotally mounted at 22 on the head rest 20 is a locking bail 23 which engages the teeth of suitable rack bars 24 secured to the inner faces of the longitudinal bars of the head section 13, as shown so that the head rest may be raised or lowered to support the head of the patient in a comfortable position.

A circular opening 25 is preferably formed in the bed bottom 21 above the circular support 5, the latter being adapted to receive and support a suitable vessel 26.

It will thus be seen that the sections 13 and 14 are free to revolve with the transverse bar 9 on the base or support 5 and that said sections may be adjusted at any angle or inclination with respect to said support so as to permit the device to be used as either a reclining chair or bed.

Attention is here called to the fact that when the sections are swung upwardly to horizontal position to form a bed the links 20 will bear against the stationary arm member 12 thereby to prevent downward tilting

movement of the head section 13. It will also be noted that the head rest 20' may be adjusted with respect to the section 13 when the device is used either as a chair or a bed.

5 The transverse bar 9 is pivotally connected with the supporting base 5 by a threaded bolt 27 which pierces the support 5 for engagement with a clamping nut 28 so that by adjusting the nut 28 on the bolt the body of
10 the chair may be locked at any desired rotary adjustment.

The chairs may be made in different sizes and shapes and formed of wood, metal or other suitable material.

15 Having thus described the invention what is claimed is:

1. A device of the class described including a base, spaced uprights mounted on the base, arm members secured to the uprights, head
20 and foot sections pivotally connected with the arm members and provided with depending lugs, links forming a pivotal connection between the lugs and adapted to engage the lower longitudinal edges of the arm members
25 when said sections are in substantially horizontal position, and a covering for said sections.

2. A device of the class described comprising a base provided with supporting feet, a
30 bar mounted for rotation on the base, spaced uprights secured to the opposite ends of the bar, stationary arm rests secured to the uprights, head and foot sections pivotally connected with the arm members and pivotally
35 connected with each other, a head rest carried by the head section, a covering connecting the head rest and foot section, a threaded bolt extending through the transverse bar and supporting base and forming the pivotal
40 axis of said bar, and a clamping nut engaging the threads on the screw for locking the bar against rotation.

3. A device of the class described including a supporting base provided with depending
45 supporting legs, a bar mounted for rotation on the base and provided with spaced uprights, stationary arm members rigidly secured to the uprights, head and foot sections pivotally connected with the adjacent ends
50 of the arm members and provided with de-

pending lugs, links forming a pivotal connection between the lugs, a head rest pivotally mounted on the head section, a rack secured to said head section, a locking pawl pivotally mounted on the head rest and adapted to
55 engage the teeth on the rack, and a covering connecting the head rest and foot section and constituting a bed bottom.

4. A device of the class described comprising a base, a transverse bar mounted for rotation on the base and provided with oppositely disposed spaced uprights, arm members rigidly secured to the uprights, head and foot sections pivotally connected with the adjacent ends of the arm members and provided
60 with terminal end pieces, racks secured to the inner faces of the head section, a head rest pivotally mounted on the head section, a locking pawl carried by the head rest and adapted to engage the teeth on the rack, a
65 flexible covering connecting the head rest and foot section and constituting a covering for the same, lugs depending from the head and foot sections, and links forming a pivotal connection between the lugs, said links being
75 adapted to engage the arm members when the sections are adjusted to horizontal position.

5. A device of the class described including a base, a bar pivotally connected with the base and mounted for rotation thereon,
80 spaced uprights secured to the opposite ends of the bar, arm members rigidly secured to the uprights, head and foot sections pivotally connected with the arm members and provided with depending lugs, links forming a
85 pivotal connection between the lugs and adapted to engage the lower longitudinal edges of said members for limiting the downward movement of the head section, and a flexible medium forming a covering for the
90 head and foot sections.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures in the presence of two witnesses.

ULYSSIS G. VANCE.
ROBERT CRITSER.

Witnesses:

FRANK PASSWATER,
WADE H. TREE.