

No. 857,315.

PATENTED JUNE 18, 1907.

O. B. STARKWATHER.
BED LOUNGE.

APPLICATION FILED JUNE 25, 1906.

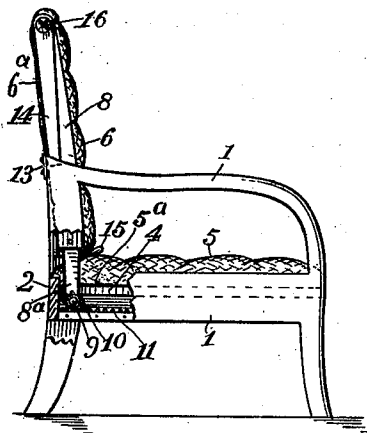


Fig. 1.

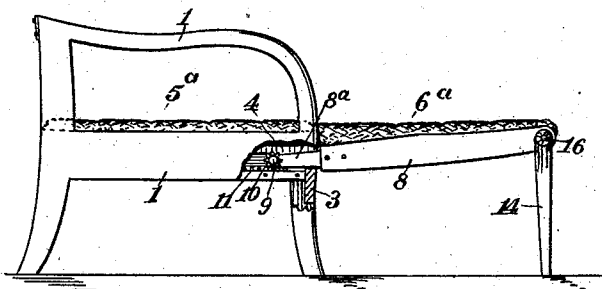


Fig. 2.

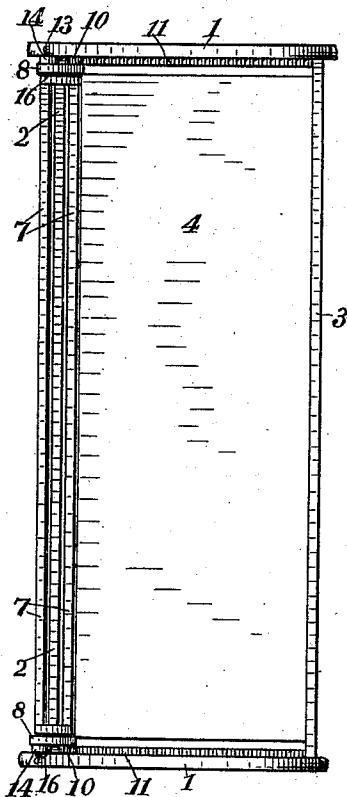


Fig. 3.

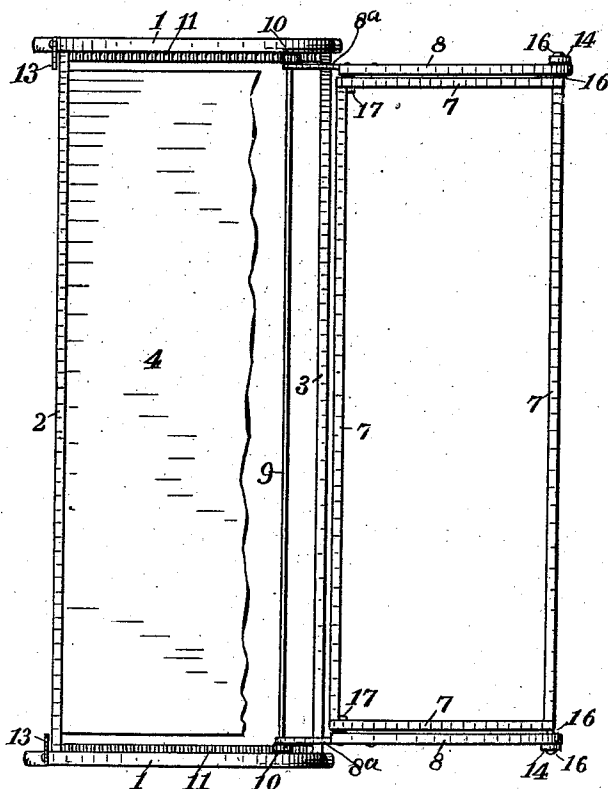


Fig. 4.

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BED-LOUNGE.

No. 857,315.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, OAKLEY B. STARKWATHER, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Bed-Lounges; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in bed lounges, and its object is to provide the device with reversible upholstery; to provide the same with simple and effective means for adjusting the device for use either as a bed or a lounge at pleasure, and to provide the same with various new and useful features hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawing in which:

Figure 1. is an end elevation of a device embodying my invention arranged in position for use as a lounge, and with parts broken away. Fig. 2. the same arranged for use as a bed with other parts broken away; Fig. 3. a plan view of the frame of the device with the upholstery removed, and adjusted as in Fig. 1; Fig. 4. the same arranged as in Fig. 2.

Like numbers refer to like parts in all of the figures.

1 represents the end frames of the structure, the same being of any convenient design and connected by rear and front rails 2 and 3, between which rails is arranged a bottom 4 to support the seat cushion or mattress 5, 5^a.

6, 6^a represents the back cushion or mattress of substantially equal dimensions to those of the cushion 5 and mounted on a frame 7 pivotally connected to the upper ends of movable side arms 8 by pivots 16.

The seat and back upholstery is reversible being finished differently on its respective sides, one side (5 and 6) being adapted to serve as cushions when used as a lounge and the other side (5^a, 6^a) adapted to serve as a mattress.

The arms 8 extend through slots or openings between the end frame and the bottom 4 as at 8^a and traverse the same. Journaled in the lower ends of these arms is an equalizer rod 9 on each end of which is a pinion 10 engaging and traversing a rack 11 fixed on the respective end frames. These arms 8 are

thus carried from front to rear or from rear to front of the seat portion and equalized in their movement when the device is shifted as hereafter described.

13 is a stop to support the back when adjusted for use as a lounge.

Legs 14 are pivoted to the upper ends of the arms 8 and serve to support the same when the device is adjusted for a bed. These legs swing down against the stop 13 when the device is adjusted for a lounge. These legs are also supported on the pivots 16 which support the frame 7.

17 are stops on the arms 8, which serve to support the inner side of the frame 7 when the device is adjusted for a bed.

15 represents one or more straps to aid in manually changing the position of the back cushion from one adjustment to the other.

When adjusted for a lounge the stops 13 pivotally support the back which is thus free to normally adjust to the position of the occupant at a greater or less inclination from the vertical. To adjust for a bed the seat cushion is reversed and the lower side of the back cushion 6 is first carried forward by means of the strap 15. The side arms 8 will turn down to substantially horizontal position and then move outward to the position shown in Figs. 2 and 4. The legs 14 automatically drop down and engage the floor and thus support the outer side of the frame 7 and arms 8. The cushion 6 is then turned on the pivot 16 to a reversed position or with the back side of the mattress uppermost.

What I claim is:

1. In a bed lounge, end frames, a support horizontally movable to either the rear or the front of said frames, arms pivoted at their lower ends on said support and carried thereby, a back pivoted to the upper ends of said arms and supported thereby, and also adapted to turn to reverse positions relative to said arms, and means for supporting said back in either substantially vertical or a horizontal position.

2. In a bed lounge, a back frame mounted on a rod, pinions fixed on the respective ends of the rod, horizontal racks supporting the pinions and traversed thereby and end frames supporting the racks, and a reversible back cushion supported by the back frame.

3. In a bed lounge, end frames, racks on the end frames, a rod extending between the frames, pinions fixed on the ends of the rod and traversing the racks, a back frame piv-

oted on the rod and carried thereby, stops on the end frames pivotally engaged by the back frame, and legs pivoted to the back frame.

4. In a bed lounge, end frames, a bottom
5 spaced apart from the end frames, movable
arms extending between the bottom and end
frames, a rod beneath the bottom and sup-
porting the arms, pinions on the ends of the
rod, racks on the end frames and supporting
10 the pinions, and also traversed thereby, a
back frame supported and carried by the
arms and a reversible back cushion supported
by the frame.

5. In a bed lounge, the combination of a
15 bottom to support the seat cushion, end
frames spaced apart from the bottom, arms

extending between the bottom and end
frames, a rod journaled in one end of the
arms and supporting the same, pinions on
the ends of the rod, racks on the end frames 20
and traversed by the pinions, a back frame
pivoted to the other ends of the arms and
supported thereby, and reversible seat and
back cushions supported by the bottom and
frame. 25

In testimony whereof I affix my signature
in presence of two witnesses.

OAKLEY B. STARKWATHER.

Witnesses:

LUTHER V. MOULTON,
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