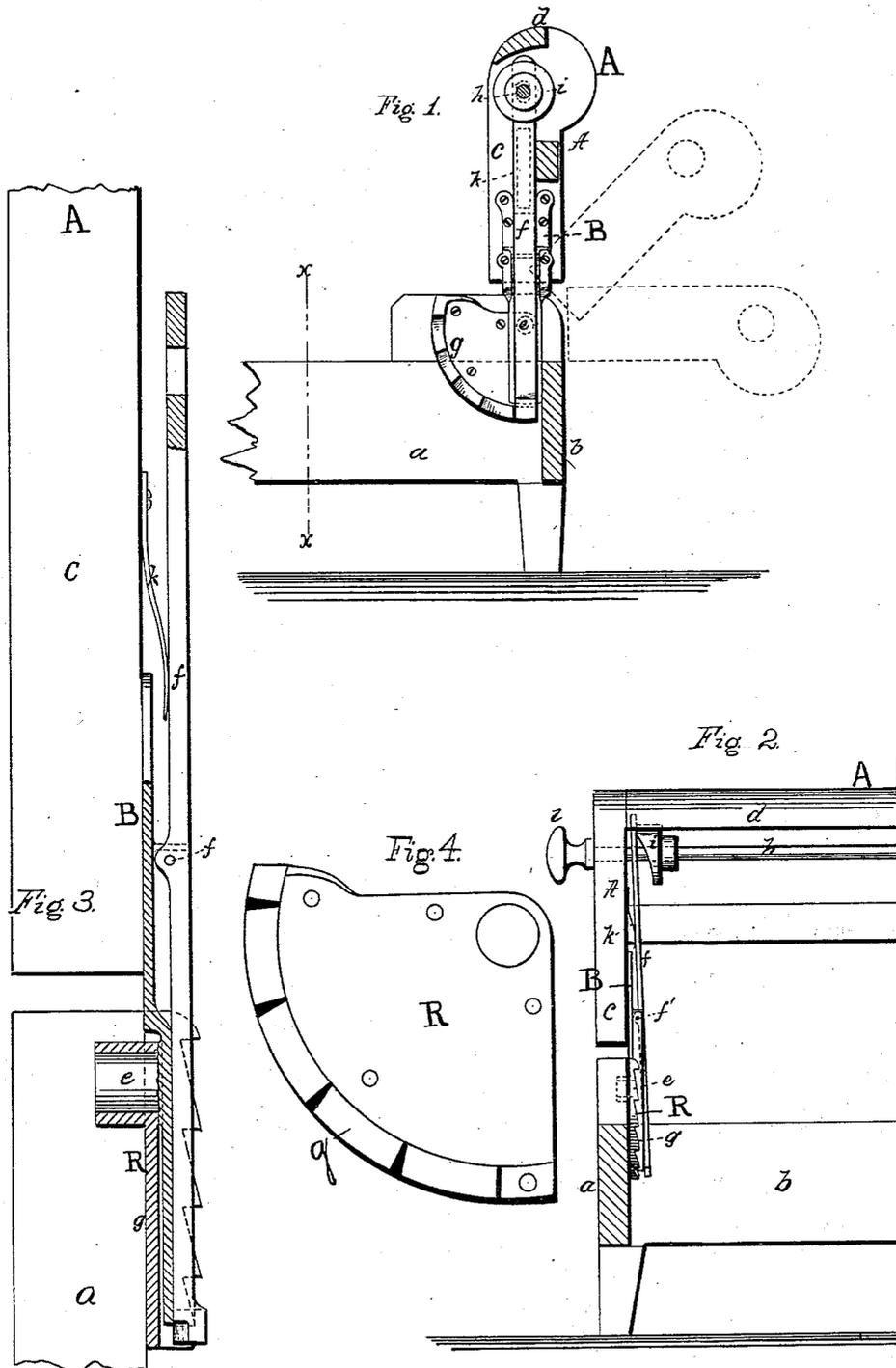


(No Model.)

T. HOFSTATTER, Jr.  
SOFA OR LOUNGE.

No. 259,642.

Patented June 13, 1882.



Witnesses:  
*J. E. Acker*  
*A. W. Tule*

Inventor:  
Theodore Hofstatter Jr.  
By David A. Burr  
Atty.

# UNITED STATES PATENT OFFICE.

THEODORE HOFSTATTER, JR., OF NEW YORK, N. Y.

## SOFA OR LOUNGE.

SPECIFICATION forming part of Letters Patent No. 259,642, dated June 13, 1882.

Application filed November 25, 1881. (No model.)

To all whom it may concern:

Be it known that I, THEODORE HOFSTATTER, Jr., a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Sofas or Lounges; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to the devices employed for supporting and adjusting the inclination of the heads or ends of sofas and lounges which are pivoted to drop from a vertical to a horizontal position, and more especially to the improvement for which Letters Patent were granted to me September 20, 1881, No. 247,350.

In the accompanying drawings, Figure 1 is a vertical longitudinal section of one end of a lounge fitted with my invention; Fig. 2, a vertical transverse section in line *xx* of Fig. 1; Fig. 3, an enlarged section taken centrally through one of the latch-plates of the head and its pivotal socket and rack-plate, the pivot-pin and the latch being drawn in elevation; and Fig. 4, an elevation of the socket and rack-plate detached.

*a a* are the side rails, and *b b* the end rails, of the main frame of a lounge.

*A* is the adjustable head, and *c d* its side and cross bars. The head is made to correspond in width with the width of the main frame, and is pivoted thereto.

*B*, Fig. 3, is a metallic plate, carrying one of the pivot-pins of the head, said plate being firmly secured to the inner side of the side bar, *e*, of the head, so as to project downward therefrom inside of the side rails, *a*, of the main frame, in close proximity thereto.

*f* is a latch-bar, hung to a central pivot-pin passing through lateral lugs projecting from the plate, and which form an extended recess on the face of the plate, in which the latch-bar swings in and out. The lower end of the latch-bar engages a segmental rack, *g*, projecting laterally from the lower edge of a plate, *R*, secured to the inner side of the rail of the main frame. This plate *R*, Figs. 1, 3, and 4, is extended so as to embrace the center of the arc formed by the segmental rack *g*, (see Fig. 4.)

and is formed with a cylindrical boss on its under side, which, projecting from said center, as shown in Fig. 3, is perforated to receive the pivot-pin *e* of the plate *B*, and constitute a bearing therefor.

The latch-bar *f* extends upward above the pivot-plate *B*, as set forth in my patent of September 20, 1881, nearly to the top of the side bar, *c*, of the head, and is actuated by means of a cam, *i*, Fig. 2, upon a rod or shaft, *h*, which is rotated by a handle or knob, *l*, on its outer end. This cam operates to force inward the upper end of the latch, and by swinging it upon its pivot to carry out its lower end and disengage it from the rack *g*. It is forced back to its original position, when relieved from the pressure of the cam, by means of a spring, *k*, Fig. 3, interposed between the upper end of the latch and the side bar, *c*.

To adjust the head *A* of the lounge the knob *l* is turned until the cam has operated to disengage the latches on either side of the head from the rack, and as in the rotation of the knob the latches are immediately released, they are ready, under the action of the springs, to promptly re-engage the racks, and so fasten the head at any desired point.

The rack and pivot-plate *R*, constructed, as described, in one piece with the pivotal socket, in which the head of the lounge swings, not only serves to strengthen the main frame when secured thereto, but affords the strongest possible support to the head of the lounge when it is thrown back from its perpendicular position, for the great strain due to the leverage of the head upon the pivot-pin *e*, having the rack as its fulcrum, and which ordinarily tends to force and loosen the pivot-joint and to break the attachment of the head to the lounge, is herein taken up and firmly resisted by the unbroken extension of the plate connecting the pivot to the rack. The metallic socket provided in the plate also serves to make a close-fitting bearing for the pivot-pin *e*, which cannot wear or work loose, and will work uniformly with far greater smoothness and ease than has been found practicable in the pivot-joints as heretofore made.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the quadrantal ratchet-plate R, having the central pivot-socket and neck, with the latch-plate B, having pivot *e* and fulcrumed latch *f*, and the cam-shaft and 5 cams *i*, substantially as and for the purpose specified.
2. In combination with the adjustable head of a lounge or sofa, duplicate quadrantal ratchet-plates R R, latch-plates and latches B *f* B *f*, 10 and cams *i* *i*, substantially as set forth.
3. As a new manufacture, the quadrantal plate R and latch-plate and attached latch B *f*, formed to co-operate as and for the purpose set forth.

In testimony whereof I have signed my name 15 to this specification in the presence of two subscribing witnesses.

THEODORE HOFSTATTER, JR.

Witnesses:

J. F. ACKER, JR.,

DANIEL R. GARDEN.