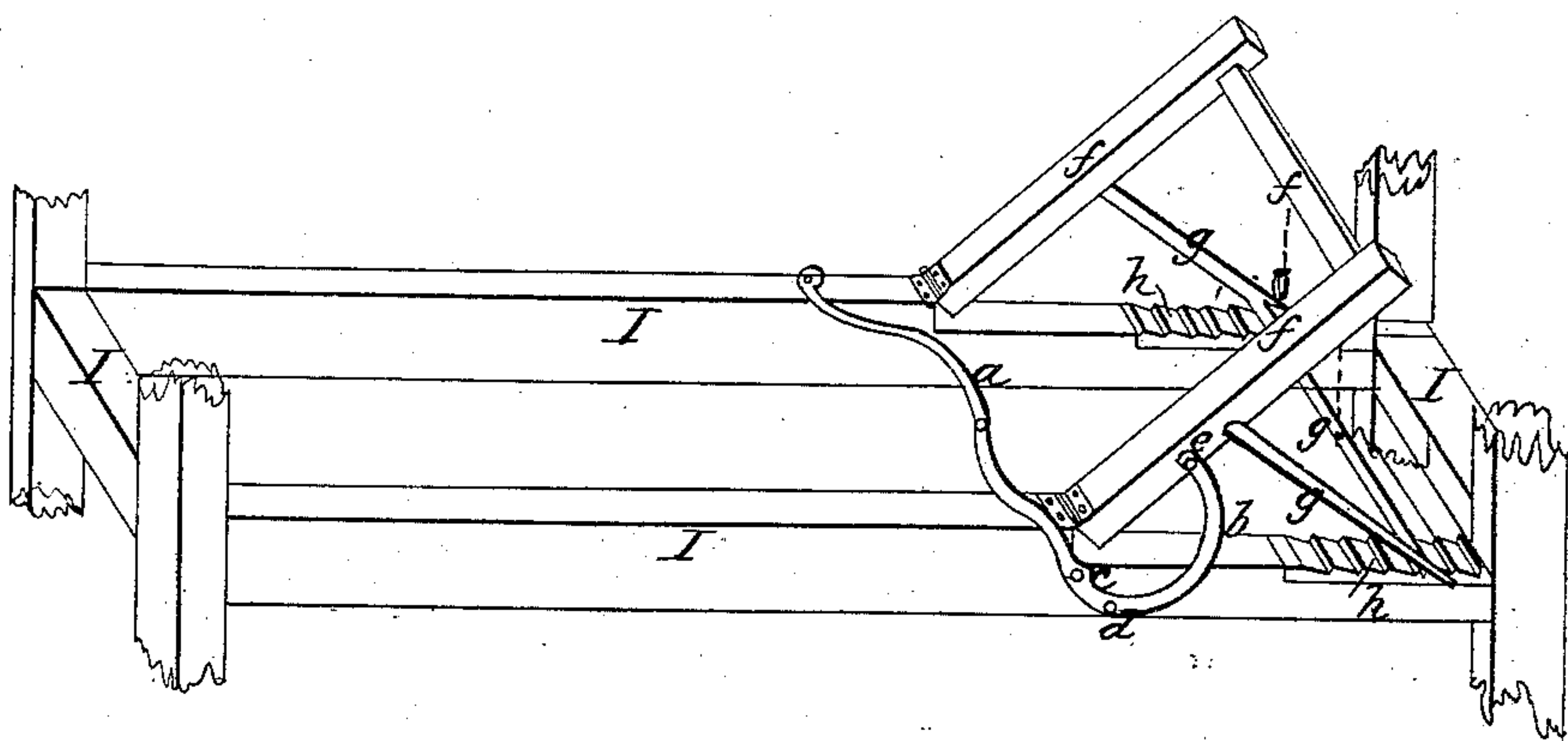
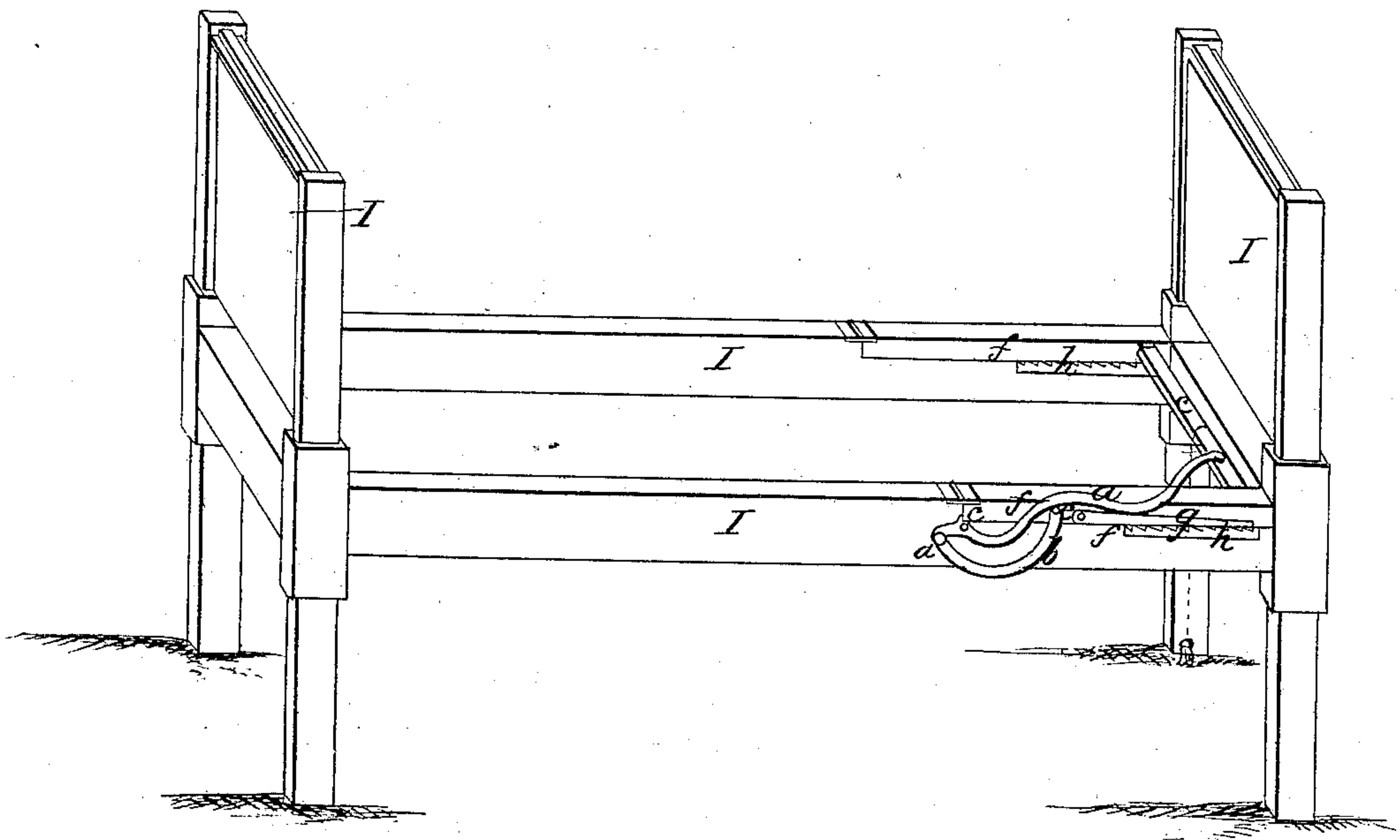


*E. Cherrington,*  
*Invalid Bedstead,*  
*No 1,078,* *Patented Feb. 9, 1839.*





# UNITED STATES PATENT OFFICE.

EDMUND CHERRINGTON, OF BOSTON, MASSACHUSETTS.

MODE OF RAISING OR INCLINING THE VARIOUS PARTS OF BEDSTEADS, SOFAS,  
CHAIRS, &c.

Specification of Letters Patent No. 1,078, dated February 9, 1839.

*To all whom it may concern:*

Be it known that I, EDMUND CHERRINGTON, of Boston, in the county of Suffolk, in the State of Massachusetts, have invented a  
5 new and improved mode of raising or inclining the various parts of bedsteads, chairs, sofas, and other articles of furniture to any desired angle that may be required; and I do hereby declare that the following is a  
10 full and exact description thereof.

The nature of my invention consists in applying a lever of metal (or any suitable material) whose fulcrum is made fast to the  
15 frame, or stationary part of the bedstead or other article of furniture, and a connecting link of metal (or other suitable material), one end of which is connected to the short arm of lever by a pin or screw or otherwise), so as to form a hinge, and the other end is  
20 secured by a pin or screw or otherwise to the part of the bedstead (or other article of furniture) that is to be raised or inclined so that the occupant by applying one hand to the long arm of lever and forcing it to or from  
25 them can place the movable part to any desired angle that may suit their convenience, with the greatest ease without getting off the bed, chair, sofa or other article of furniture they may be reclining on, thereby enabling  
30 the sick or decrepit to change their position so as to alleviate their sufferings without the aid of others, or it may be operated upon by another person or attendant without disturbing the occupant.

35 *The process of manufacture.*—To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation as applied to a bedstead. Its application to other articles be-  
40 ing on similar principles, only changing the forward proportions, suitable to the shape and size of the article of furniture to be operated upon.

I construct my head and foot boards and  
45 end rails in any of the known forms. I then take 2 pieces of wood of the same width as the side rails and one third of their depth and of the length desired to be raised or inclined. I frame these 2 pieces together by  
50 a cross rail toward the ends next the end of bedstead. I then cut away the side rails so that these pieces fit in smooth and level and connect the side rails and the other ends of the 2 pieces with a pair of hinges as

shown in the drawing accompanying and 55 forming part of this specification. I then construct a lever of metal or other suitable material, preferring though not confining myself to the form as shown at letter *a*, and connect it to the side rail I by a pin *c* or 60 screw or otherwise passing through a hole near the end of lever *a*, thus forming a fulcrum for the lever to turn on. The short arm of lever is connected by means of a pin *d*, screw, or otherwise to a connecting link *b*, 65 thus forming a joint between the two. I make the link *b* of metal (or other suitable material) and prefer the form shown in drawing, but do not confine myself to that particular one, varying it according to the 70 size and form of article to be operated upon. The other end of this link I connect by means of a pin *e* or screw otherwise to the movable frame *f*, this forming a joint, to this frame *f* I attach a swinging frame *g* 75 which as the frame *f* is raised or inclined falls into the ratchet pieces *h* upon the side rails II, and retains the frame *f* in any position it may be placed. To this frame I attach a cord so as to be within the reach 80 of the occupant. I then finish the bottom with a racking, cord or any of the known methods.

*Operation.*—I will now proceed to describe the operation of my invention. A 85 person occupying the bedstead, chair, sofa, or other article of furniture, wishing to raise the bed or cushion they may be reclining upon applies one hand to the end of long arm of lever *a* and pulling it forward thereby 90 causes the short arm of lever to force upward the connecting link *b*, which being connected with the movable frame *f*, the frame *f* is carried up with the bed or cushion and the person reclining upon it and is retained in 95 its position by the swinging lower end of frame *g* falling into the ratchet pieces *h*. If the person desires a less inclination they press with one hand on the lever *a* forcing it slightly downward, thereby releasing the 100 end of swinging frame *g* from the ratchet and raising the frame by applying the other hand to the cord attached to it. The frame *f* with the bed or cushion and person upon it is lowered to the desired angle when releas- 105 ing the hold upon the cord, the frame *g* falls into the ratchet, and retains the frame *f* in the desired position.

What I claim as my invention and desire to secure by Letters Patent is—

The application of a lever and connecting link and the manner of applying the same  
5 for the purpose of raising or inclining the various parts of bedsteads, chairs, sofas, or other articles of furniture to any desired

angle as herein described, using for that purpose any desired shape or material which will produce the desired effect.

EDMUND CHERRINGTON.

Witnesses:

NOAH BUTTS,  
H. H. WHITELEY.