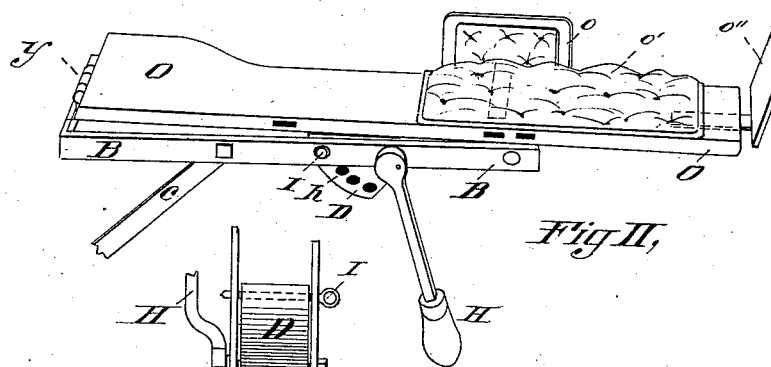
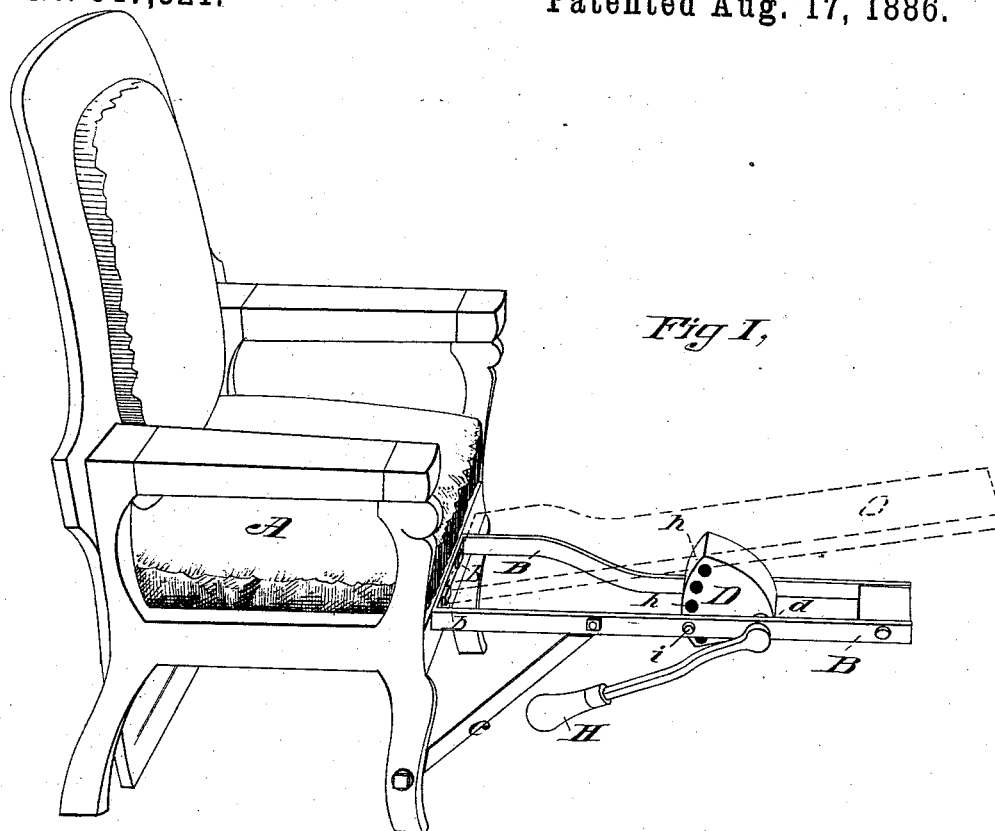


(No Model.)

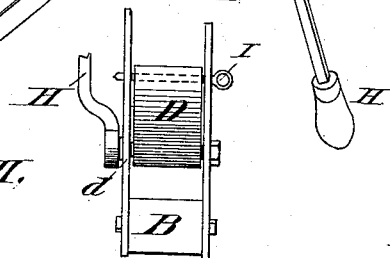
C. CLARKE.  
INVALID CHAIR.

No. 347,321.

Patented Aug. 17, 1886.



*Fig III,*



Witnesses,  
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By R. F. Hyde  
Att'y.

# UNITED STATES PATENT OFFICE.

CHRISTOPHER CLARKE, OF NORTHAMPTON, MASSACHUSETTS.

## INVALID-CHAIR.

SPECIFICATION forming part of Letters Patent No. 347,321, dated August 17, 1886.

Application filed December 23, 1885. Serial No. 186,510. (No model.)

### *To all whom it may concern:*

Be it known that I, CHRISTOPHER CLARKE, a citizen of the United States, residing at Northampton, county of Hampshire, State of Massachusetts, have invented a new and useful Improvement in Invalid-Chairs, of which the following is a specification.

My invention relates to an attachment adapted to be combined with an ordinary chair to convert it into an invalid-chair for certain maladies or conditions of the leg; and it consists in mechanism for supporting the leg and for moving said support to leave the leg rigid while changing its angle to the body, as more particularly described in the specification and pointed out in the claim.

My invention is fully illustrated in the accompanying drawings, in which Figure I is a perspective view of my device combined with a chair. Fig. II is a perspective view of the same detached, and Fig. III is a detail view of a part in plan.

To the class of patients whose legs from the hip-joint require to be held constantly rigid, and who are able to sit up in a chair with their leg so supported, the greatest relief is given by the movement at intervals of the whole leg upon the hip-joint, and this relief is augmented if, as more particularly in the case of those suffering from gout or inflammatory rheumatism, they are able themselves to effect the change of position of the limb, so that for those having these maladies, as well as for those having their leg in a splint, I have invented the following device, capable of being easily attached to any ordinary strong chair.

B is a metal frame, having one end adapted to conform to the front frame of a chair, as A, and provided with bolts *b b* or other convenient means of attachment to said framework of the chair.

*c* is a brace from the frame B to a leg or round of the chair.

The bolts *b b* and brace *c* are preferably arranged to hold the frame B in a horizontal position and immediately below the chair-cushion.

From the rear end of the frame B its side is

curved, to leave room for a well leg to rest and move to one side of the frame.

D is a cam, hinged at *d* between the sides of frame B, provided with a handle, H, outside of the frame B and in easy access to one sitting in the chair, and provided upon one face with a number of transverse holes, *h*, any one of which can be brought by handle H to coincide with a hole, *i*, through two sides of frame B.

I is a pin removable from frame B from its inner side, and adapted to pass through both sides of the frame and the intermediate cam, D, and to be easily operated from the chair.

O is a board or rest for the leg, adapted upon its upper surface by pads *o o'* to conform to the leg to support and hold it comfortably, adapted to rest between its ends upon the broad surface of cam D when said cam is projected above the surface of frame B, and upon the frame itself when the cam is below, and hinged at *y* at its rear end to frame B.

In operation the occupant of the chair by reaching forward can with one hand, by means of lever-handle H and cam D, raise his leg to the desired angle, and with the other hand, by means of pin I, secure it.

The cam D, with its pin I and holes *h*, is illustrated as a type of a variety of forms which may be given the operating-cam without a departure from the spirit of my invention.

The device as shown is made reversible, to adapt it to either side of a chair for either leg requiring it, the only changes required from the position of the parts shown being the reversal of the frame B as it is shifted to the other side of the chair, the swinging of the brace correspondingly, and the reversal of the rest O, for which purpose the hinge *y* has to be first unscrewed.

The pads *o o'*, &c., are adapted, as shown, to be reversed in the support O.

Now, having described my invention, what I claim is—

The within-described invalid attachment for chairs, consisting of a frame, B, adapted, substantially as shown, to be securely attached to

the front of a chair to project therefrom in an approximately-horizontal position, a support, O, hinged at the rear of frame B and above it, and adapted to hold an extended leg of the occupant of the chair and bear itself upon frame B, a cam, D, positioned between support O and frame B to bear against both, and adapted to swing the support O upon being

rotated, and an operating-handle, H, for rotating the cam, and means, as I, for locking it in the required position, all combined and operating as and for the purpose set forth.

CHRISTOPHER CLARKE.

Witnesses:

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