M. E. KEIRAN.

Foot or Leg-Rest for Chairs.

No. 212,474. Patented Feb. 18, 1879.

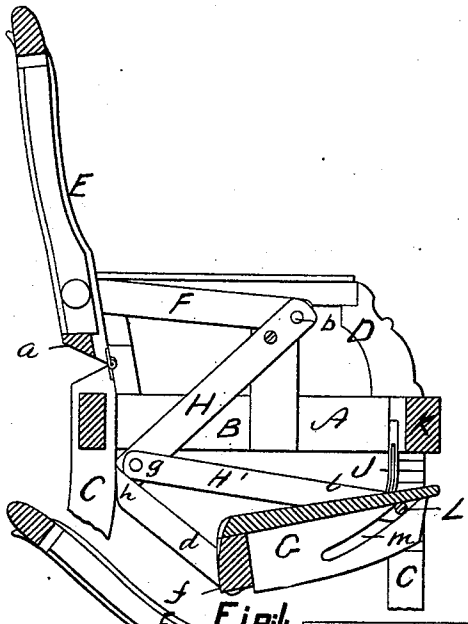

Fig:1.

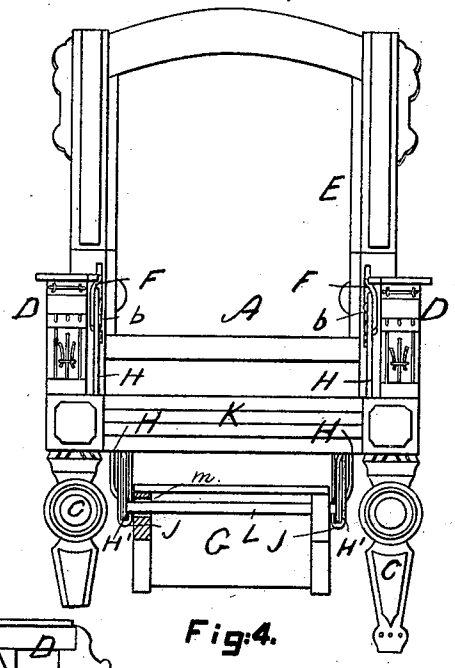

Fig:4.

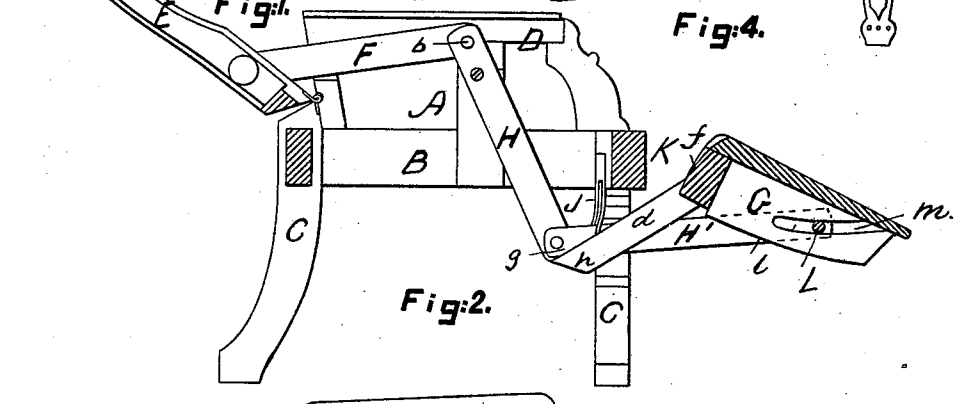

Fig:2.

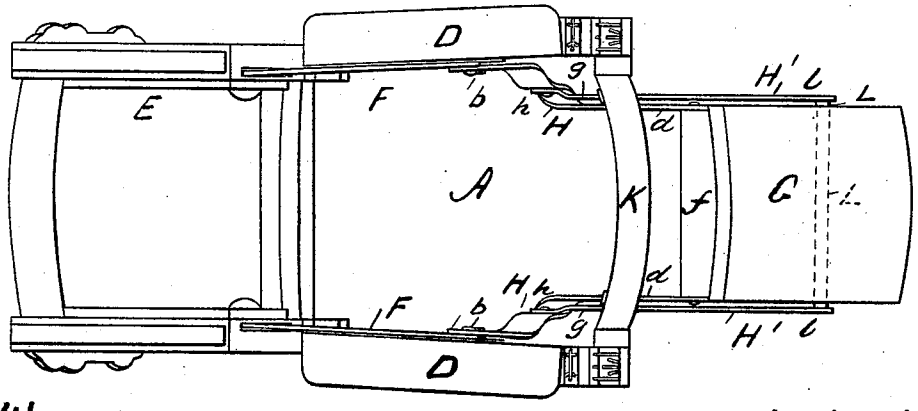

Fig:3.

Witnesses.

W. S. Billows

Chas. E. Hibbard

Inventor.

M. E. Keiran

Per Brown Bros

Attorneys.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MICHAEL E. KEIRAN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN FOOT OR LEG RESTS FOR CHAIRS.

Specification forming part of Letters Patent No. **212,474**, dated February 18, 1879; application filed November 2, 1878.

To all whom it may concern:

Be it known that I, MICHAEL E. KEIRAN, of Boston, county of Suffolk, and State of Massachusetts, have invented certain new and useful Improvements in Foot or Leg Rest Chairs, of which the following is a full, clear, and exact description.

This invention relates to that class of foot or leg rest chairs having such rest arranged to be disposed within the leg-frame of the chair when not to be used, and to be projected from the front of the chair-seat when to be used.

The invention consists in the suspension of said rest at each side, to and from each side of the chair-frame, through two bars or rods, one of which is angular in shape, and has one of its arms hung vertically upon a center of the chair-frame, and its other arm by its outer end hung to the inner end of the rest, and the outer of which bars is pivoted at one end to said angular bar, near its elbow or angle, and at the other end is arranged to travel in an inclined slot in the side of the rest, which slot runs from the outer end of the rest toward its inner end, and between such ends is supported in guide-loops fixed to the under side of the chair-seat, at its front side, all substantially as hereinafter described.

In the accompanying plate of drawings, Figures 1 and 2 are central vertical sections of a chair having my improved foot-rest arrangement, Fig. 1 showing the foot-rest as within the leg-frame of the chair, and Fig. 2 as projected from the front of the chair-seat; Fig. 3, a plan view of Fig. 2, and Fig. 4 a front elevation of Fig. 1.

In the drawings, A represents a chair having seat B, legs C, arms D, and back E, all constructed and arranged together as ordinarily, and therefore needing no more particular description herein, except to say that in the present instance the back is hinged at its lower end, *a*, to the rear of the seat B, and, by links F F, one at each side of the chair, is connected to the mechanism, to be now described, by which the foot or leg rest G is suspended on the chair, said connection being for the purpose of operating the foot or leg rest G, as will hereinafter appear.

The suspension of the rest G is from each side of the chair-frame, and on each side the means of suspension consists of two bars or rods, H and H′, and of a loop or guide, J, fixed to the under side of the front, K, of the seat B.

The bar H is angular in shape, and it has one of its arms hung vertically on a pivot, *b*, to the chair-arm D, and the other arm, *d*, at its outer end pivoted to the inner end, *f*, of the rest G.

The bar H′ is straight, and at its inner end, *g*, it is pivoted to the angular bar H, at or near its angle or elbow *h*, and at its outer end, *l*, it is hung in a slot, *m*, in the side of the rest G, which slot *m* inclines from the front or outer edge to the rear or inner edge, and between its two ends, *g* and *l*, it rests in the guide or loop J.

The links F F, which connect the back to the rest mechanism, above described, are pivoted to the upper ends of the angular bars H H of such mechanism, and the straight bars H′ H′ are connected together by a cross-rod, L, passing through the slot *m*, and from one bar H′ to the other bar H′ of the rest.

Swinging the chair-back E backward on its hinges throws the rest G out at the front of the chair into the position shown in Figs. 2 and 4, and swinging the chair-back forward on its hinges draws the rest G in under the chair-seat and within the leg-frame, as shown in Figs. 1 and 4.

The rest G, when out in position for use, is supported on the bars H and H′, and the angular direction of the slots *m m* secures an inclination of the rest when drawn out for use.

The chair-back may be stationary, and if so, the rest G may be operated either by pulling it out or pushing it in at the front of the chair, or by extending the angular bars above the pivot-connection *b* with the chair A, and using such extensions as handles to throw the rest forward and backward.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The foot or leg rest G, having an elongated slot at its side, in combination with the bar H′, having a guide-rod arranged to move in

said slot, and an angular suspended pivoted bar, H, to which the bar H′ is pivoted, and having its free end connected with the rear part of the foot or leg rest, substantially as and for the purpose described.

2. The combination, with the foot or leg rest G, having elongated slots in its sides, the bars H′ H′, having guides arranged in said slot, pivoted depending angular bars H H, to which the bars H′ are pivoted, having their lower free ends connected with the rear part of the foot or leg rest, and links F F, attached to the upper ends of the bars H′, above their pivotal points, and to the hinged back of the chair, all substantially as and for the purpose described.

MICHAEL E. KEIRAN.

Witnesses:
EDWIN W. BROWN,
W. S. BELLOWS.