(No Model.)

F. H. PLUMMER.

FOOT REST.

No. 296,778. Patented Apr. 15, 1884.

Fig. 1.

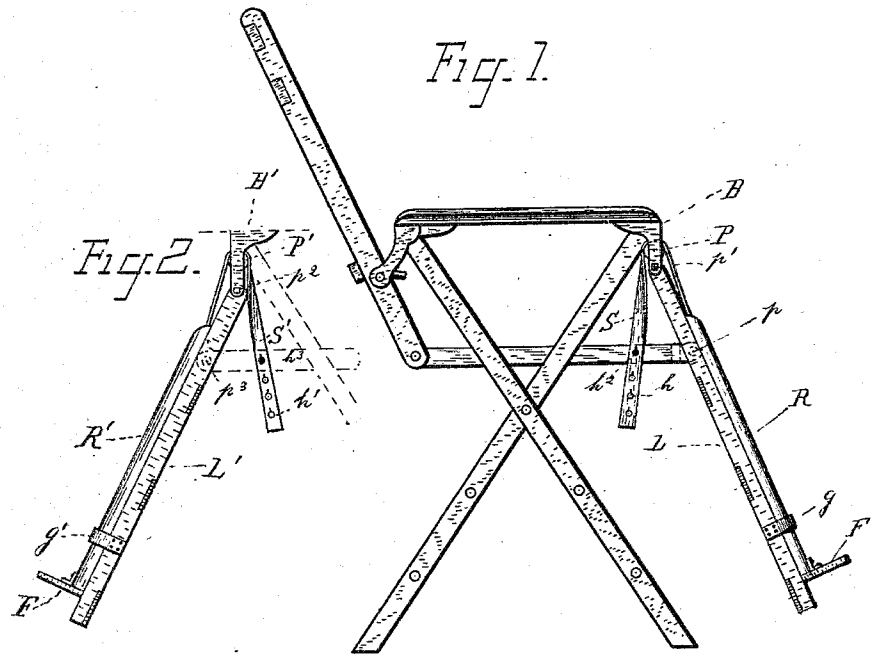
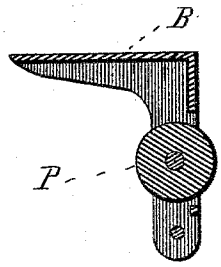


Fig. 2.

Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANK H. PLUMMER, OF HENNIKER, ASSIGNOR OF ONE-HALF TO G. W. & M. L. STEARNS, OF LEBANON, NEW HAMPSHIRE.

FOOT-REST.

SPECIFICATION forming part of Letters Patent No. 296,778, dated April 15, 1884.

Application filed November 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. PLUMMER, a citizen of the United States, residing at Henniker, in the county of Merrimac and State of New Hampshire, have invented certain new and useful Improvements in Foot-Rests; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The object of my invention is to provide a reclining or other suitable chair with an adjustable foot-rest, one which, when adjusted as to the limit of its movement, may be pressed out by the feet as the person leans back to make the chair suit his convenience. A further object is to combine the foot-rest with a leg-support, upon which the former rests and moves, the latter being pivoted to follow the changes of position of the chair-seat, the foot-rest automatically rising as the leg-rest assumes a vertical position.

In the drawings, Figure 1 is a side elevation, the chair proper being in dotted lines. Fig. 2 is a side elevation, partly in dotted lines, the chair being reversed. Fig. 3 is a detail view, in vertical section, of a bracket for the adjusting-strap of the foot-rest.

Like letters refer to like parts.

The main frame or chair-body is shown in side elevation combined with the foot-rest. For the purposes of this case it is only necessary to say that the back, seat, and leg-support are pivoted together, the leg-support being also pivoted to the front brackets shown under the arm-rests and the back pivoted to the rear brackets. From this it will be seen, in connection with the following description, how the foot-rest and main frame operate together.

The foot-rest proper is seen at F. It consists in the present instance simply of a strong piece of wood, and extends across from rod R to rod R′, as shown. (See Figs. 1 and 2.) The foot-rest and rods R R′ are securely joined, and rest or move upon the side bars, L L′, of the leg-support, the guides g g' holding said rods in place. At the upper ends of the rods are fastened straps S S′, which pass over pulleys P P′, journaled in the brackets B B′. The straps continue down, and are provided with adjusting-holes h h', to engage with pins h^2 h^3 at the sides of the chair-seat.

The form of bracket shown at B, Figs. 1 and 3, is fastened below the chair-arms. It carries the strap-pulleys P P′, and is connected with the leg-support by pivots p' p^2. Its construction will be understood at a glance.

The leg-support will not be particularly described here, as it is a necessary part of the main frame of the chair, and said main frame forms the subject of a separate application specifically mentioned below; but it will be proper to call attention to it as combined with the foot-rest. The former is pivoted to the brackets and to the chair-seat. (See p p' p^2 p^3.) It is evident, therefore, that as the chair-seat is pushed out by the person leaning against the chair-back said leg-support will move correspondingly, carrying the foot-rest, the feet pressing the latter out as far as the strap permits or comfort dictates. As the person assumes an upright sitting posture again, the seat and leg-support move back, the foot-rest following, but sliding up until the strain on the strap is over. It will be seen that the foot-rest not only moves to suit the comfort of the person each time the inclination of the chair-back is changed, but also that there are no sharp projections to stop the circulation of the blood in the legs.

Attention is called to the simplicity of the strap adjustment, which can easily be made while in the chair.

Instead of a leg-support, the foot-rest might be combined with pivoted side bars only or the end of the chair-seat.

In the drawings, the chair is not shown in a normal position, the back being inclined somewhat, the foot and leg rest assuming a corresponding inclination. When the chair is not occupied the back and rests are vertical or nearly so.

In this application I expressly disclaim the main frame, except as legitimately combined with the foot-rest, said main frame *per se* form-

ing the subject of a separate application, Serial No. 111,759, filed November 14, 1883.

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

1. The combination of the main frame and supporting means, substantially as described, with the pivoted leg-support, the sliding foot-rest, and means, substantially as described, for connecting the foot-rest and main frame, as and for the purposes set forth.

2. The combination of the foot-rest with the leg-support, the main frame, and means for connecting the foot-rest and leg-support, as set forth, and means, substantially as described, for connecting the foot-rest and main frame, whereby the foot-rest may be adjusted, as and for the purposes specified.

3. The combination of the arm-rests and their brackets, the back pivoted to the rear brackets, the leg-support pivoted to the front brackets, and a seat pivoted to the back and leg-support, with a foot-rest connected with the leg-support, substantially as set forth, and means, as described, for connecting the foot-rest and seat, as and for the purposes specified.

4. The combination of the foot-rest F and rods R R′ with the adjustable straps S S′, pulleys P P′, the swinging leg-support, and the chair-frame, as set forth.

5. The combination of the arm-rests and brackets B B′, provided with pulleys P P′, with the chair-frame, leg-support, adjustable straps S S′, rods R R′, and the foot-rest F, as set forth.

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

FRANK H. PLUMMER.

Witnesses:

H. W. CRAGIN,

C. A. COOPER.