

(No Model.)

F. H. PLUMMER.

FOOT REST.

No. 296,778.

Patented Apr. 15, 1884.

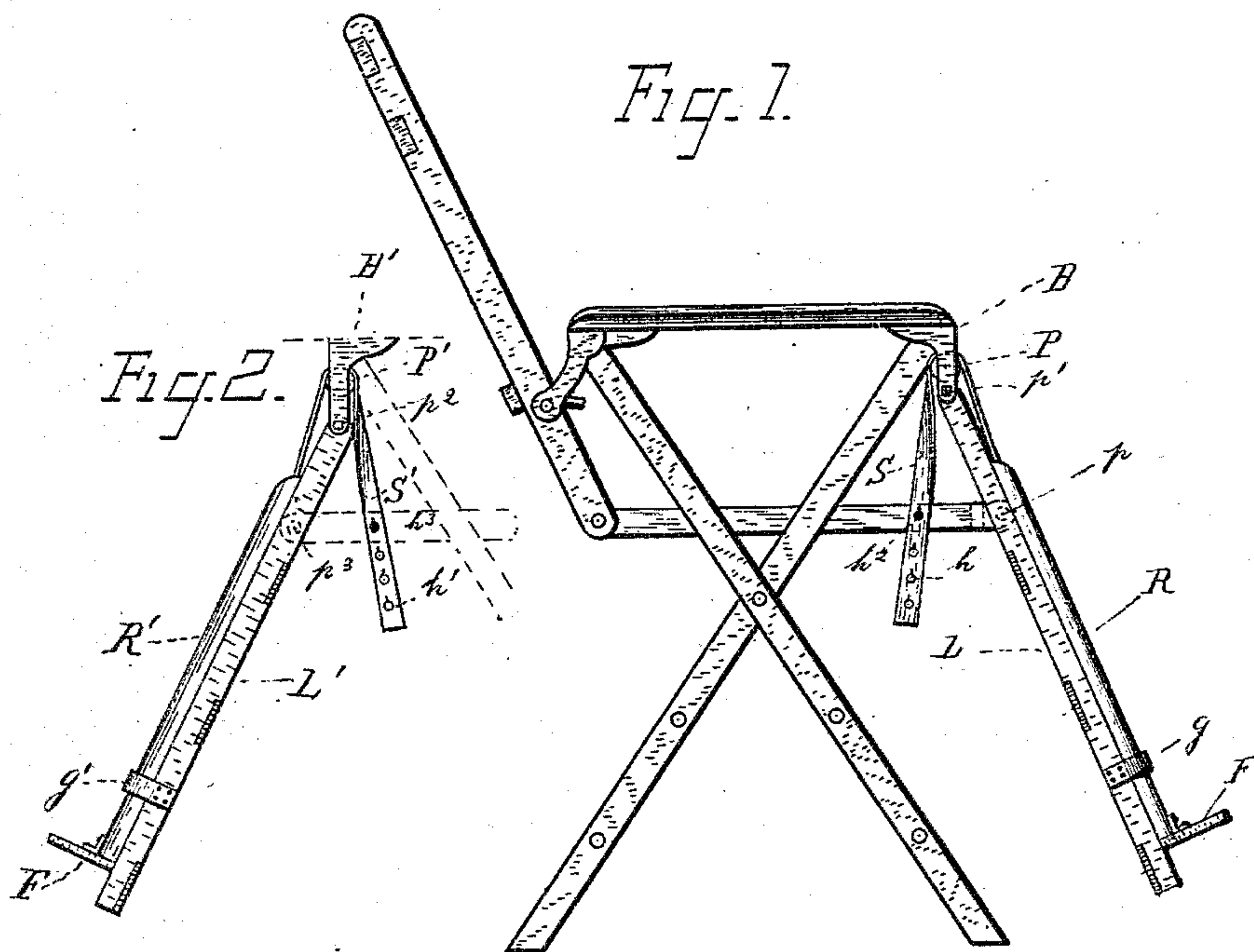
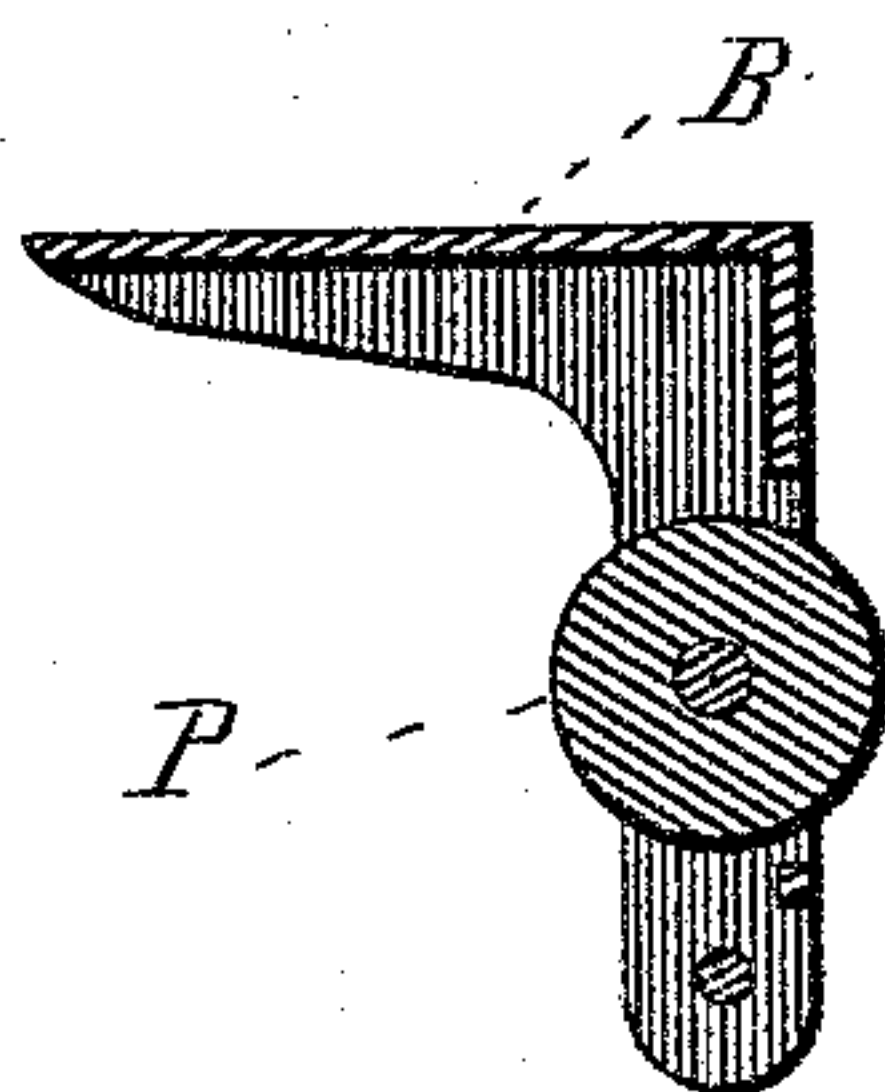


Fig. 3.



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 Hen-
niker, in the county of Merrimac and State of
5 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
10 it appertains to make and use the same, ref-
erence being had to the accompanying draw-
ings, and to the letters and figures of reference
marked thereon, which form a part of this speci-
fication.

15 The object of my invention is to provide a
reclining or other suitable chair with an ad-
justable 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
20 make the chair suit his convenience. A fur-
ther 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-
25 rest automatically rising as the leg-rest as-
sumes 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,
30 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.

35 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 neces-
sary to say that the back, seat, and leg-sup-
port are pivoted together, the leg-support be-
ing also pivoted to the front brackets shown
40 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 to-
gether.

45 The foot-rest proper is seen at F. It con-
sists 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,
50 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 pul-
leys P P', journaled in the brackets B B'. The
straps continue down, and are provided with 55
adjusting-holes *h h'*, to engage with pins *h² h³*
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 60
the leg-support by pivots *p' p²*. Its construc-
tion will be understood at a glance.

The leg-support will not be particularly de-
scribed here, as it is a necessary part of the
main frame of the chair, and said main frame 65
forms the subject of a separate application spe-
cifically 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' p² p³*.) It is 70
evident, therefore, that as the chair-seat is
pushed out by the person leaning against the
chair-back said leg-support will move corre-
spondingly, carrying the foot-rest, the feet
pressing the latter out as far as the strap per- 75
mits or comfort dictates. As the person as-
sumes 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- 80
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. 85

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 90
the end of the chair-seat.

In the drawings, the chair is not shown in a
normal position, the back being inclined some-
what, the foot and leg rest assuming a corre-
sponding inclination. When the chair is not 95
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- 100

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
10 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
15 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
20 brackets, the back pivoted to the rear brack-

ets, 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
25 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.
30

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
35 presence of two witnesses.

FRANK H. PLUMMER.

Witnesses:

H. W. CRAGIN,

C. A. COOPER.