

(No Model.)

S. G. SCARRITT,
RECLINING CHAIR.

No. 339,477.

Patented Apr. 6, 1886.

FIG. 1.

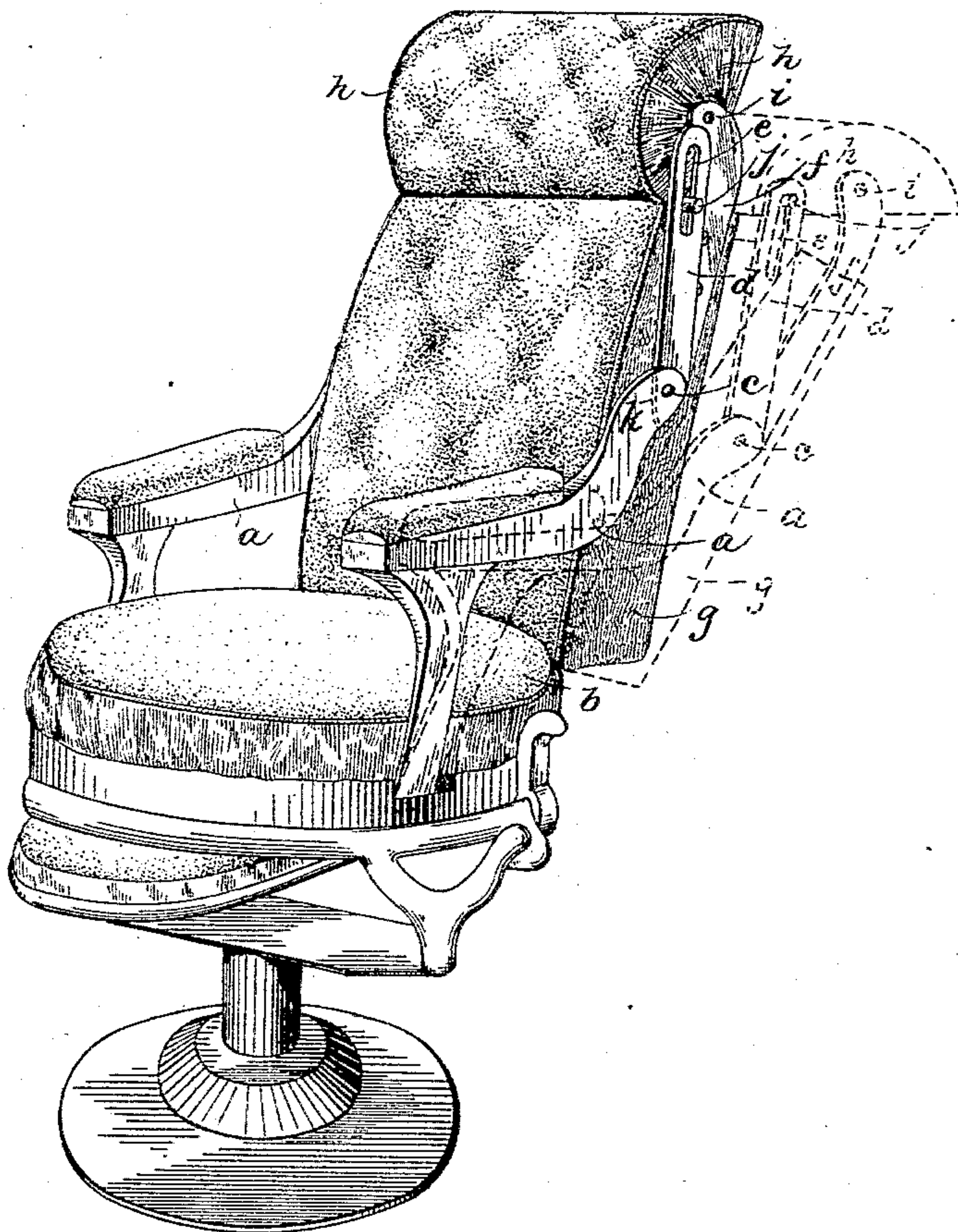
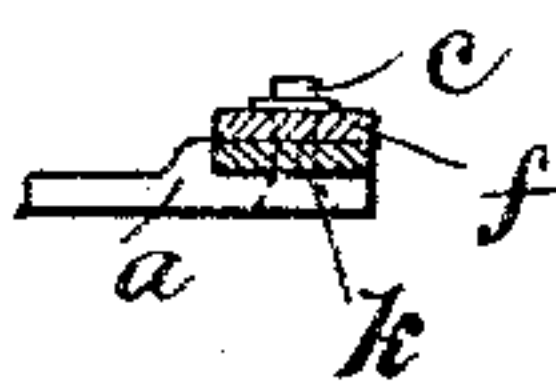


FIG. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

SANFORD G. SCARRITT, OF ST. LOUIS, MISSOURI.

RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 339,477, dated April 6, 1886.

Application filed January 18, 1886. Serial No. 188,873. (No model.)

To all whom it may concern:

Be it known that I, SANFORD G. SCARRITT, of the city of St. Louis, State of Missouri, have made certain new and useful Improvements in Reclining-Chairs, of which the following is a full, clear, and exact description.

My invention relates to that class of reclining-chairs having adjustable head-rests, and has for its object a simple and certain means of automatically adjusting the head-rest to the varying inclinations of the back of the chair.

It consists in hinging to the movable arms and extension side brackets, between which the head-rest is pivoted to the back of a reclining-chair, upright bars formed with slots in which work studs or pins projecting from the ends of the head-rest, the slotted bars acting in combination with the extension side brackets and with specially formed shoulders on the movable arms in such a manner that upon pushing backward the back of the reclining-chair to any desired inclination the head-rest is brought by the slotted bars and studs or pins into a corresponding adjustment to a person's head.

On the accompanying drawings, Figure 1 is a side and front perspective view of a reclining-chair fitted with my invention, and Fig. 2 a detached view of a part of Fig. 1, like letters denoting like parts in both figures.

a a are the hinged movable arms of the reclining-chair *b*, and to each of these arms is hinged at *c* an upright bar, *d*, formed with slot *e*, the pin *c* passing through the lower end of the extension-bracket *f*, which is screwed or otherwise secured to the side of the back *g*, the latter being hinged below in the usual manner. The head-rest *h* extends between and is pivoted at *i* to the upper ends of the extension-brackets *f*, each end of the head-

rest *h* being formed at a suitable distance from the pivot *i* with a stud or pin, *j*, which passes through the slot *e* of the bar *d*. On each movable arm *a*, directly behind the front edge of the bar *d*, is a shoulder, *k*, (see also Fig. 2,) for taking against the beveled hinged end *c* of the bar *d*.

On pushing backward the back *g* of the reclining-chair *b* the beveled hinged ends *c* of the bars *d*, after a certain distance has been traversed by the movable arms *a*, are caught by the shoulders *k*, whereby the bars *d* are held fast at a fixed angle or position to the arms *a*, and on the back *g* being pushed further backward into the position shown by the dotted lines, the upper ends of the extension or head-rest brackets *f* describe a longer arc than the hinged ends *c* of the bars *d*, and consequently diverge or separate from the upper ends of the latter, and the studs or pins *j* being constrained by the slots *e* of the bars *d* the latter thereby cause the head-rest *h* to be partially rotated on its pivot *i*, in the direction indicated by the arrow, to the required adjustment relatively with the back *g*, as shown by the dotted lines.

I claim as my invention—

In a reclining-chair, the combination of the movable arms *a*, having shoulders *k*, extension or head-rest brackets *f*, secured to sides of back *g*, and carrying head-rest *h*, with studs or pins *j*, hinge *c*, and slotted arms *d*, substantially as shown, and for the purpose described.

In testimony whereof I have affixed my signature, in presence of two witnesses, this 12th day of January, 1886.

SANFORD G. SCARRITT.

Witnesses:

PAUL BAKEWELL,
J. W. CROOKES.