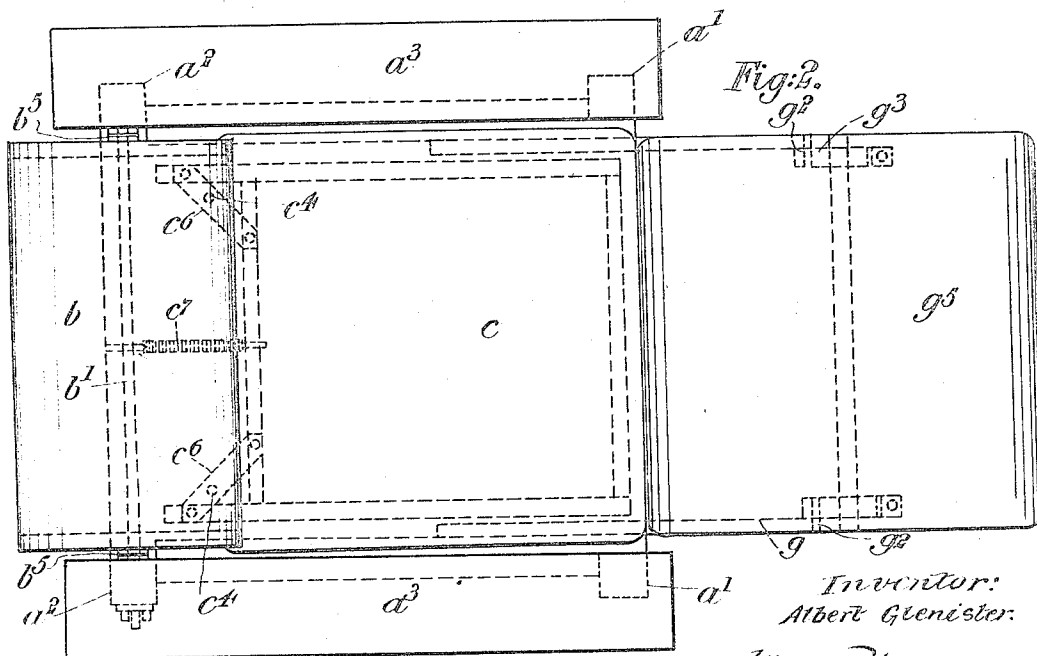
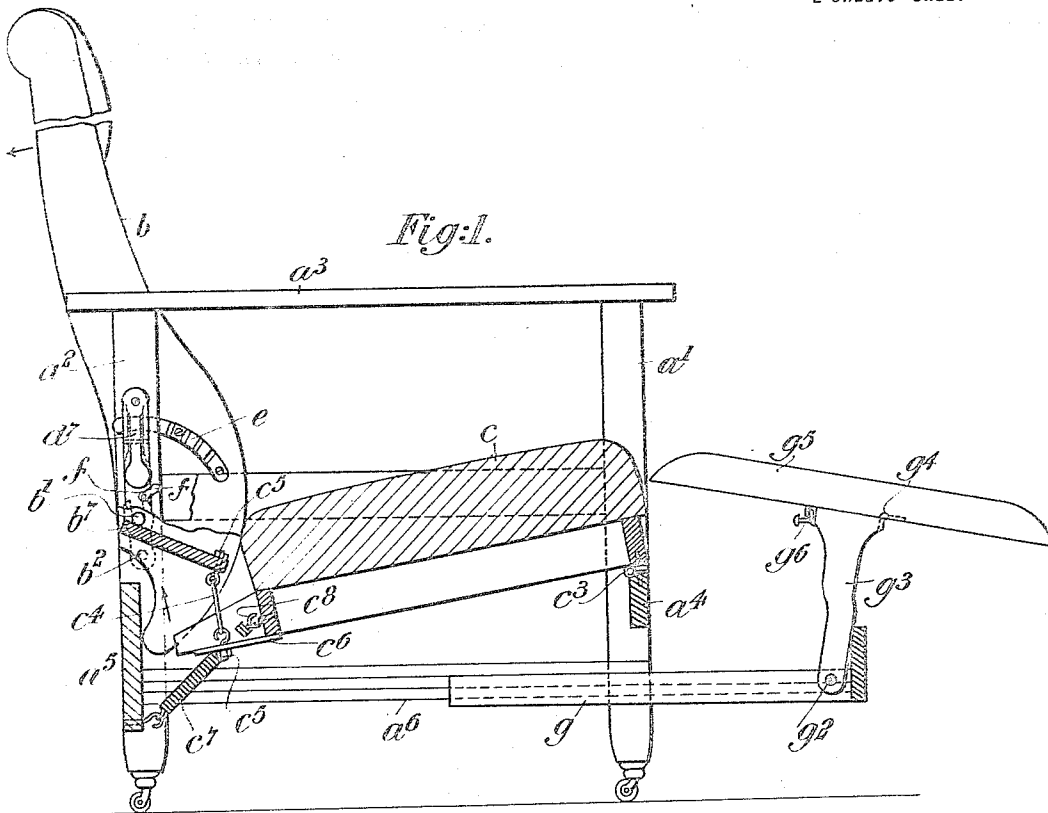


A. GLENISTER.
 CHAIR, COUCH, OR THE LIKE.
 APPLICATION FILED AUG. 26, 1918.

1,301,835.

Patented Apr. 29, 1919.
 2 SHEETS—SHEET 1.



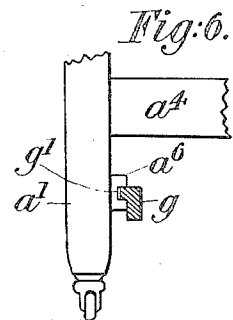
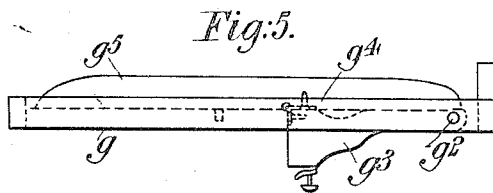
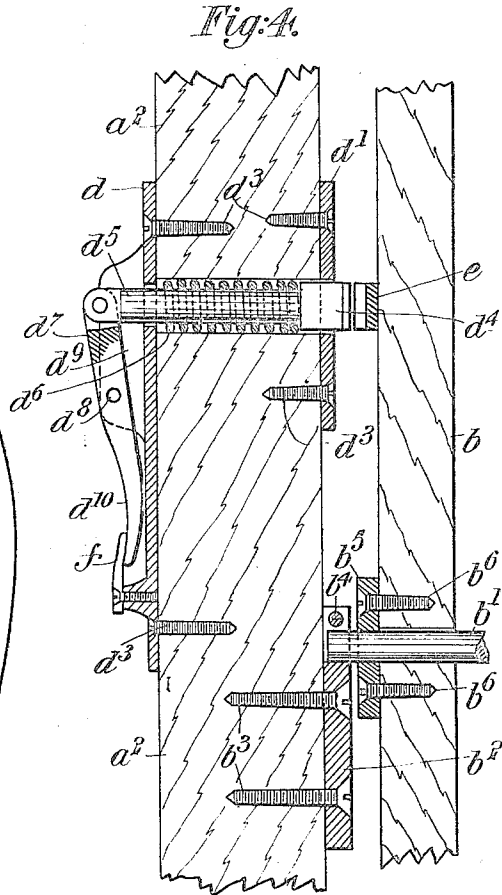
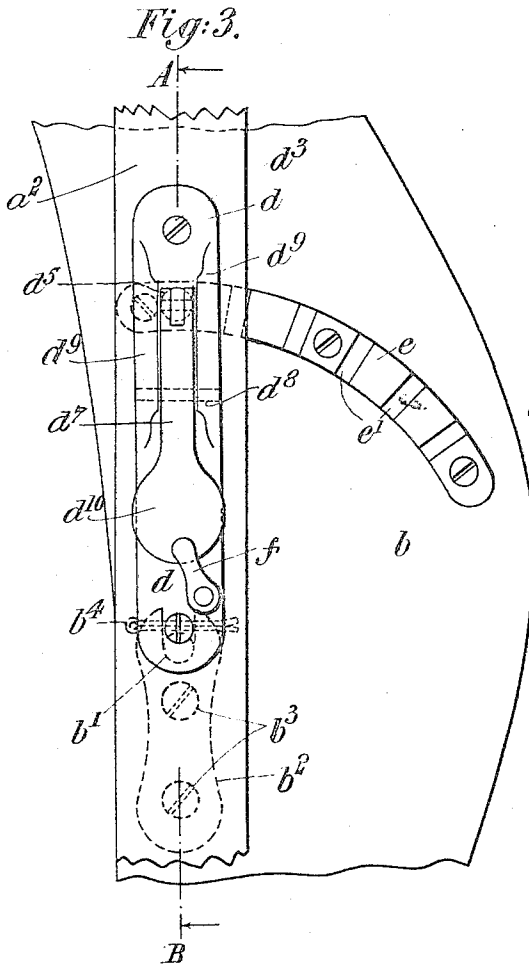
Inventor:
 Albert Glenister.

by *E. H. Hadden*
 his Attorney.

1,301,835.

Patented Apr. 29, 1919.

2 SHEETS—SHEET 2.



Inventor:
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his Attorney.

UNITED STATES PATENT OFFICE.

ALBERT GLENISTER, OF HIGH WYCOMBE, ENGLAND.

CHAIR, COUCH, OR THE LIKE.

1,301,835.

Specification of Letters Patent.

Patented Apr. 29, 1919.

Application filed August 28, 1916. Serial No. 116,977.

To all whom it may concern:

Be it known that I, ALBERT GLENISTER, a subject of the King of England, residing at High Wycombe, in the county of Buckingham, England, have invented certain new and useful Improvements in Chairs, Couches, or the like, of which the following is a specification.

This invention relates to chairs, couches or the like and more particularly to those which are provided with an angularly adjustable back-member which is subjected to the action of a spring tending to return same to raised or normal position and wherein also the seat-member is pivoted and the rear end thereof has imparted to it rising and falling movements in accordance with the angular adjustments of the back-member.

The invention consists in certain novel features of construction, hereinafter fully described and claimed, these features being briefly as follows:—

The back-member is connected to the rear of the pivoted seat-member by means of detachable eye bolts, and these latter may extend at one end through plates secured to the underside of the seat-member, and at the other end through a rail or cross member forming part of the back-member and are secured at both ends by nuts.

The seat-member has a fixed pivot at its extreme forward end and is suspended from the back-member by detachable bolt connections.

A locking device for the back-member is provided of the type which includes a notched plate engageable by a bolt under control of the occupant, the improved construction comprising a lever pivotally mounted outside a frame member in a vertical direction with a spring bolt connected to said lever, and the notched plate being secured to the side of the back-member between the latter and the frame and adapted to be engaged by the spring bolt.

A latch is provided adapted to engage the lever for rendering the spring bolt inoperative at will.

The back member is pivoted in the frame by means of a cross-rod, which is located at the base of the back-member and inclosed by said member for substantially its entire

length, the protruding ends of said rod being pivoted in fixed relationship to the frame in bearing plates detachably connected to the inside of said frame, and held in said bearing plates by cotter pins.

An improved form of leg rest is also provided, comprising a frame slidable under the seat, an elevating frame pivoted to the sliding frame, and a rest member hinged to said elevating frame, the improvements residing in said rest-member being adapted, when out of use, to fold flatly on to said slidable frame and a catch or equivalent being provided to secure the rest member to the elevating frame.

Referring to the accompanying drawings:—

Figure 1 is a sectional elevation showing a chair having the present improvements applied thereto:

Fig. 2 is a top plan view of Fig. 1.

Fig. 3 is a detail side elevation on an enlarged scale showing part of the back-member and means for holding same in adjusted position.

Fig. 4 is a section of Fig. 3 on the line A—B thereof.

Fig. 5 is a side elevation showing the parts of the leg-rest in collapsed condition and

Fig. 6 is a detail view showing guiding means for said leg-rest.

In said drawings the main frame of the chair is shown as comprising front and rear legs or uprights a^1 and a^2 respectively, arms a^3 , and general chair structure parts. b designates the back-member which is shown as suitably upholstered and which may be formed in any appropriate manner, this member being pivoted in the rear uprights a^2 by means of a rod b^1 extending through the back-member so as to be hidden from view, the protruding ends of said rod each resting in a slot in the upper end of a bearing-plate b^2 secured to the inside face of each of the uprights a^2 as by screws b^3 and the rod being secured against accidental removal from said slots by means of cotter pins b^4 . The said protruding ends of the rod between the back-member and the bearing-plates are encircled by thick washers b^5 secured to the back-member as by screws b^6 and which serve to prevent the rod from working loose

on the back-member and maintain it in position between the bearing-plates.

The upholstered seat-member *c* is pivotally attached to the front rail *a*¹ of the chair structure positioned between the front uprights *a*¹ as by a pair of hinges *c*³ and the rear end of this seat-member is suspended from the rail or cross frame *b*⁷ of the back-member *b* by means of a pair of eye-bolts *c*⁴ which are each passed at one end through a metal plate *c*⁵ secured to the under side of the seat-member and at the other end through said rail or cross frame *b*⁷ being secured at both ends by nuts *c*⁵. By reason of this construction, it follows that when the occupant of the chair by movement of his body forces the back-member into a reclining position, the rear end of the seat-member is automatically raised at the same time, a feature which adds materially to the comfort and rest afforded by the use of the chair.

A helical spring *c*⁷ at the back of the chair is secured to the back-rail of the seat-member *c* by a hook or the like *c*⁸ and at the opposite end in the same way to the back-rail *a*⁵ of the chair frame, or the first mentioned end may be secured to the rail *b*⁷ of the back-member, so that said spring has the effect of restoring the back-member and consequently the seat-member to normal position when the locking device hereinafter referred to is released.

For packing, transport or other purposes, the back-member may be readily released from the chair structure by unscrewing the nuts *c*⁵ below the seat-member, withdrawing the cotter-pins *b*² and unhooking one end of the spring *c*⁷ whereupon said back-member may be placed upon the seat-member between the arms of the chair and thus occupy a minimum of space.

The locking-device for securing the back-member in desired position comprises a plate *d* secured outside one of the rear uprights *a*² and a second plate *d*¹ secured to the inside thereof each as by screws *d*³. These plates form bearings and guides for a spindle *d*⁵ having at its end a catch *d*⁴ under the action of a spring *d*⁶ and pivoted outside the chair to one end of a lever *d*⁷ fulcrumed at *d*⁸ in lugs *d*⁹ formed on the plate *d*, the opposite end of said lever being enlarged as at *d*¹⁰ for ready manipulation by the hand of the occupant. The spring *d*⁶ tends to force the catch *d*⁴ into engagement with one of a number of notches *e*¹ formed in a curved plate *e* secured to the side of the back-member, so that said back-member may be held in any position of adjustment corresponding to said notches and may be released by the occupant of the chair by pressing inwardly against the end *d*¹⁰ of the lever *d*⁷; but for the purpose of allowing the back-member to have freedom of movement I provide a latch *f* pivoted to the plate *d* and adapted to en-

gage and retain the lever in the depressed position mentioned whereby the catch *d*⁴ cannot engage the notches in the curved plate *e*.

The leg-rest above referred to consists of a frame *g* which is tongued at the sides as at *g*¹ to run in two grooved rails *a*⁶ comprised in the chair frame and secured to the front and rear uprights *a*¹ and *a*². Pivoted at *g*² near the outer end of said frame *g* are elevating arms or a frame *g*³, to the outer ends of which is hinged at *g*⁴ the upholstered leg rest *g*⁵ which as shown in Fig. 1 may be raised into position for use as a continuation of the seat-member *c*, or may be collapsed as shown in Fig. 5, whereupon the whole may be slid on the rails *a*⁶ below said seat-member. The leg-rest may be secured against movement in relation to the arms or frame *g*³ as by means of a button hinge catch *g*⁶ or other suitable device or may be left free relatively thereto so that the leg-rest may accommodate itself to movements of the occupant's legs as desired.

I do not limit myself to the exact arrangement or construction of parts hereinbefore described and illustrated in the accompanying drawings since the same may be varied within limits prescribed by the following claims without departing from the spirit of the invention.

What I claim and desire to secure by Letters Patent of the United States is:—

1. A chair or couch, comprising, in combination, a frame embodying pairs of front and rear uprights, and cross-rails connecting the same; a back member pivotally mounted between the rear uprights and provided with a substantially-horizontal cross-plate which is located below its pivotal axis; a seat pivotally mounted at its front end upon the front cross-rail; a plate secured to the under face of said seat at the rear end thereof and projecting rearwardly beyond said end and beneath said cross-plate; and depending eye-bolts pivoted at their upper ends to said cross-plate and at their lower ends to said projecting plate, so as to lift the rear end of said seat when said back member is swung rearwardly into inclined position.

2. A chair or couch, comprising, in combination, a frame embodying pairs of front and rear uprights, and cross-rails connecting the same; a back member pivotally mounted between the rear uprights and provided with a substantially-horizontal cross-plate which is located below its pivotal axis; a seat pivotally mounted at its front end upon the front cross-rail; a plate secured to the under face of said seat at the rear end thereof and projecting rearwardly beyond said end and beneath said cross-plate; depending eye-bolts pivoted at their upper ends to said cross-plate and at their lower

ends to said projecting plate, so as to lift the rear end of said seat when said back member is swung rearwardly into inclined position; and spring means connected at 5 opposite ends with the rear cross-rail and said projecting plate, to automatically return said back member to vertical position.

In witness whereof I have signed this specification in the presence of two witnesses.

ALBERT GLENISTER.

Witnesses:

A. J. WADDAN,
A. MORRELL.