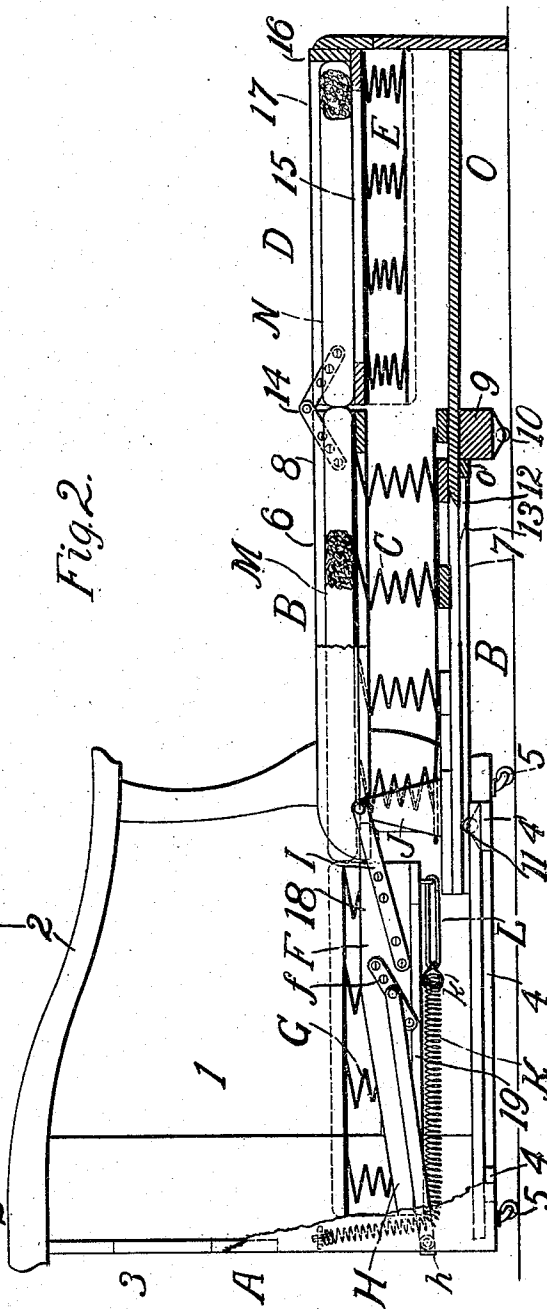
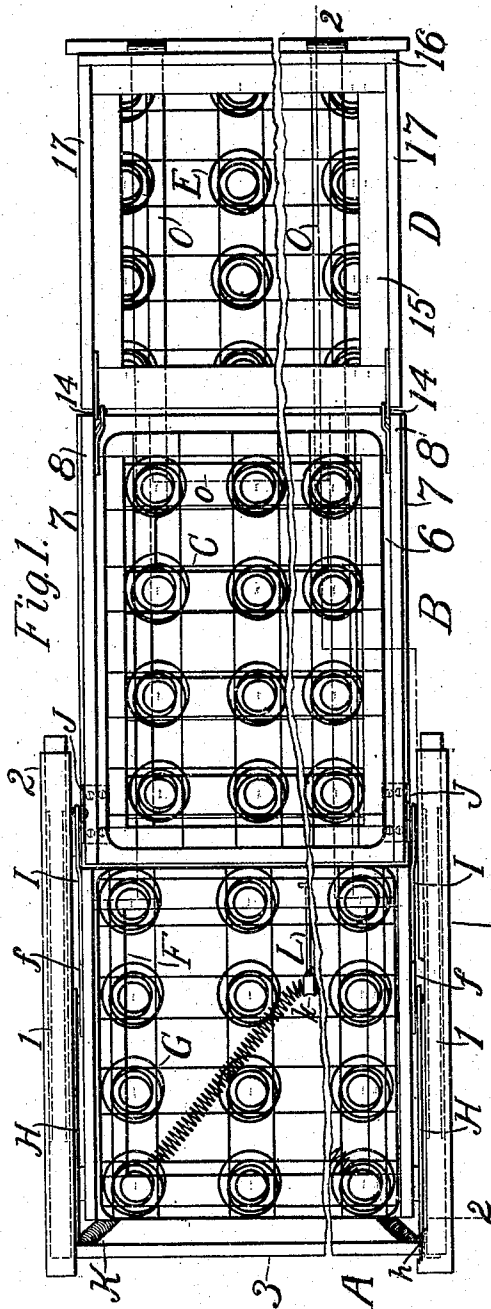


936,589.

2 SHEETS--SHEET 1.



Mo. S. Dow,
Israel C Newman

ATTORNEYS

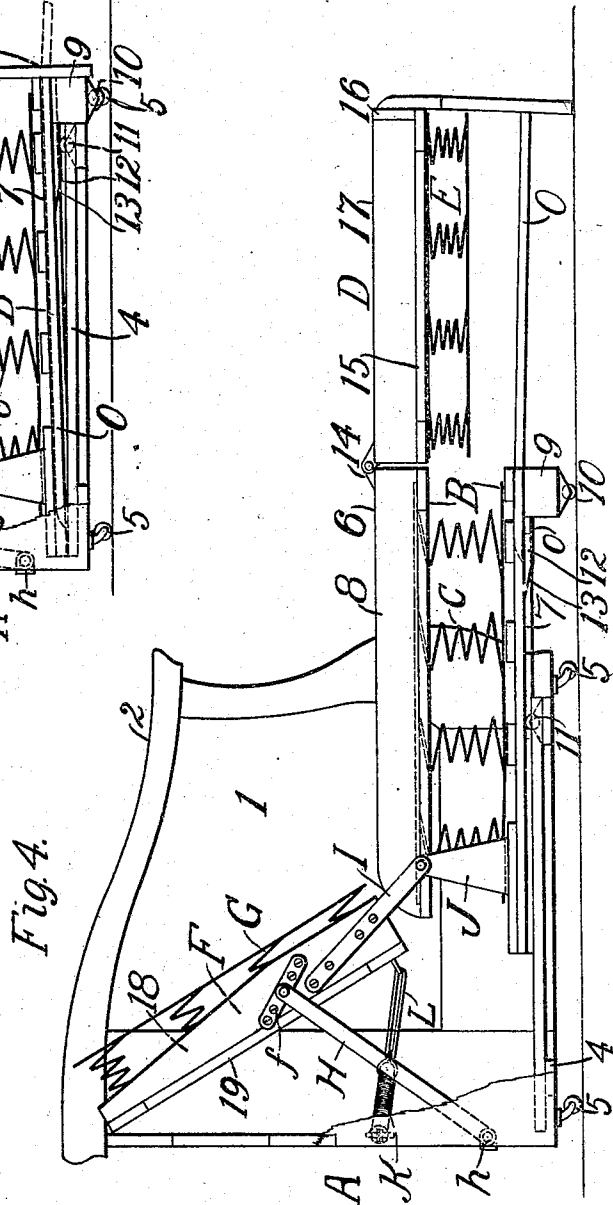
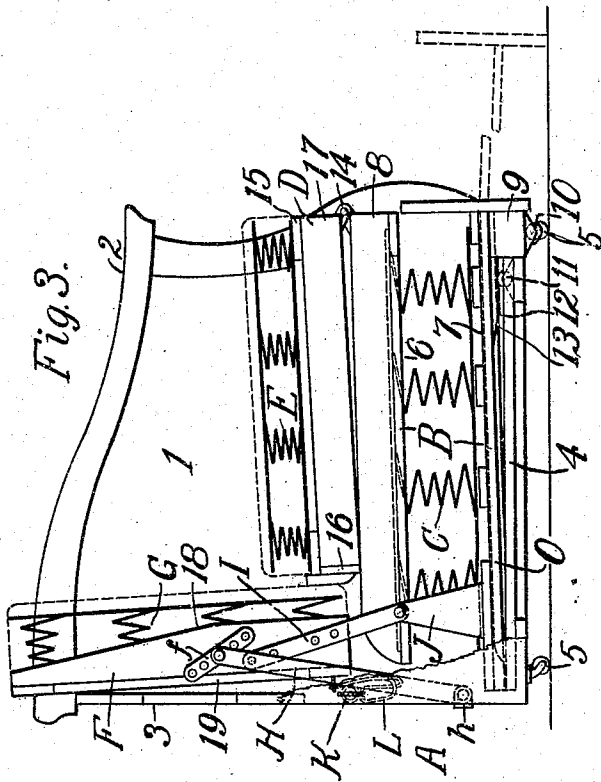
C. A. WARNER.
RECLINING CHAIR.

APPLICATION FILED DEC. 24, 1908.

936,589.

Patented Oct. 12, 1909.

2 SHEETS—SHEET 2.



WITNESSES:

Wm. B. Dow
Abner C. Kuman

INVENTOR

C. A. Warner

BY

Clare, Deming & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE

CHARLES A. WARNER, OF NEW YORK, N. Y.

RECLINING-CHAIR.

936,589.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed December 24, 1908. Serial No. 469,123.

To all whom it may concern:

Be it known that I, CHARLES A. WARNER, a citizen of the United States, and resident of New York city, county of New York, and State of New York, have invented certain new and useful Improvements in Reclining-Chairs, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof, in which similar characters of reference indicate corresponding parts.

This invention relates to reclining chairs of the class adapted for conversion into either a couch or a bedstead; the object thereof being to provide an article of this character which embodies novel features of construction and arrangement of parts, whereby both the seat and back may be maintained in the various positions necessary to produce the several said articles of furniture, the parts being arranged to move and swing correlatively with each other in such a manner that the proper positions necessary to comfort may be maintained throughout the various positions which the device is adapted to assume.

A further object is to provide a structure which in its normal or initial shape contains a plurality of movable parts so assembled as to occupy but a minimum of floor space.

The invention will be hereinafter fully described and specifically set forth in the annexed claims.

In the accompanying drawings forming part of this specification, Figure 1, is a plan view of my improved article of furniture shown extended in the form of a bedstead; Fig. 2, a longitudinal elevation taken on the line 2-2, of Fig. 1; Fig. 3, a side elevation of the device, partly broken away, showing the parts in position forming a chair; and Fig. 4, is a similar view showing a couch formation.

In the practice of my invention I employ primarily a chair body or frame A, which comprises sides 1, having arms 2, a back wall 3, and a bottom framework 4, the same being mounted on suitable casters 5. Within the said chair frame A, between the ends 1, is mounted the chair seat parts which comprise the slidable frame B, embodying the top part 6, and bottom part 7; the spring cushion C, being located between the said parts. The said top frame is provided with upwardly extended end walls 8, and extended laterally beneath the lower frame at the front edge

thereof is a cross beam 9, having rollers 10, for contact with the floor surface, the whole bottom frame bearing on rollers 11, mounted on the bottom of the chair frame. Located beneath the bottom frame 7, at the forward part thereof is a lug having a tapered end part 13, said lug rides over the rollers 11, when the sliding frame B, is in its inward position and slightly tilts the same, whereby the rollers 10, are removed from contact with the floor allowing the whole structure to rest squarely upon the casters 5. Hinged to the frame 6, by means of the hinges 14, is the chair seat proper D, which embodies a bottom 15, a front wall 16, and side walls 17, one side of the bottom wall 15, carrying a spring-cushion E, which is upholstered to form the seat proper.

The back of the chair comprises the frame F, having the spring-cushion G. The said frame F, embodies the side walls 18, and bottom 19, and it is supported by means of oscillatory arms H and I, located at each end. The said arms H, are fulcrumed to the side walls of the chair-frame A, at *h*, and are pivoted at their upper ends to plates *f*, secured to the side walls of the frame F; and the arms I, are secured to the side walls of the said frame F, and pivoted to uprights J, which are secured to the sliding frame B.

Extended laterally between the walls 1, of the frame A, is a spiral spring K, which acts as a counter balance when swinging the chair-back F, to assist in operating the same. This spring has a ring *k*, located centrally thereof which engages a cord L, which is secured to the lower part of the back wall of the chair-back.

Located between the side walls of the frames B and D, are removable cushions M and N. These act as part of the upper surface of the bed when the device is used as a bed, and also as the body part of the couch when the device is used as a couch. The device is further provided with a slide O, which extends through a lateral slot in the front beam 9, of the slide B. This said slide O, is employed as a means for supporting the frame D, when the parts are in position as shown by Fig. 2, of the drawings, or it may be extended and used as a foot-rest when the device is employed as a chair, see dotted lines Fig. 3, of the drawings. Forward motion of the slide O, is limited by means of the lateral stop *o*. The spring-cushions are all upholstered, as shown by

dotted lines Fig. 2, of the drawings, but the upholstery is left off of the drawings in order that the working parts of the device may be clearly shown.

5 In the operation and use of the invention, when it is desired to convert the same from its normal or chair-shape to a couch, it is simply necessary to move the slide B, forwardly into position shown by Fig. 4,
10 of the drawings, then pull the slide O, outwardly to the fullest extent and fold the frame D, over into position shown. A further extension of the slide B, converts the device into a bed; the chair-back F moving
15 automatically. It will be especially noted that the slide B, comprises the upper and lower frames 6 and 7, the frame 6 supported on the spring cushion C, whereby it is readily movable downwardly and inde-
20 pendently of the lower frame 7. Thus a comfortable and springy article of furniture is maintained in each of the several positions the parts are correlatively susceptible of assuming.

25 I do not confine myself to the specific details of mere mechanical construction and design of the several parts, as herein shown and described, as it is obvious that under the scope of my invention I am entitled to slight
30 variations.

I claim:

35 1. In a convertible chair, the combination, with the supporting frame, of the swinging chair-back, and the oscillating arms fulcrumed to the supporting frame and pivoted to the chair-back, and the counterbalance spring connected to the back of the frame and to the bottom of the chair-back, and the

slide comprising the two sections hinged together, the lower frame and the intermediate spring, and the uprights and arms connecting the chair-back to the lower frame of the said slide, said frame having a front beam with rollers thereon and a lateral slot therein, and an auxiliary slide for supporting one of the seat sections when the same is opened, and roller bearings for the lower frame, and a lug on the bottom of said frame for tilting the same when the device is closed and folded, substantially as shown and described. 40 45 50

2. In a convertible chair, the combination, with the swinging back and the supporting arms which are fulcrumed to the chair frame and pivoted to the sides of the said back; of the slide comprising the upper frame embodying the two hinged parts, the lower frame and the intermediate spring cushion, and the removable cushions on the said hinged parts, and the uprights and connecting arms, whereby the slide and back move correlatively, and bearing means supporting the slide, and an auxiliary slide for supporting the free end of the upper one of said hinged parts when it is in extended position, substantially as shown and described. 55 60 65

In testimony that, I claim the foregoing as my invention, I have signed my name in presence of two witnesses, this 19th day of December 1908. 70

CHARLES A. WARNER.

Witnesses:

W. S. Dow,
ISRAEL C. NEWMAN.