

C. L. GREILICK.

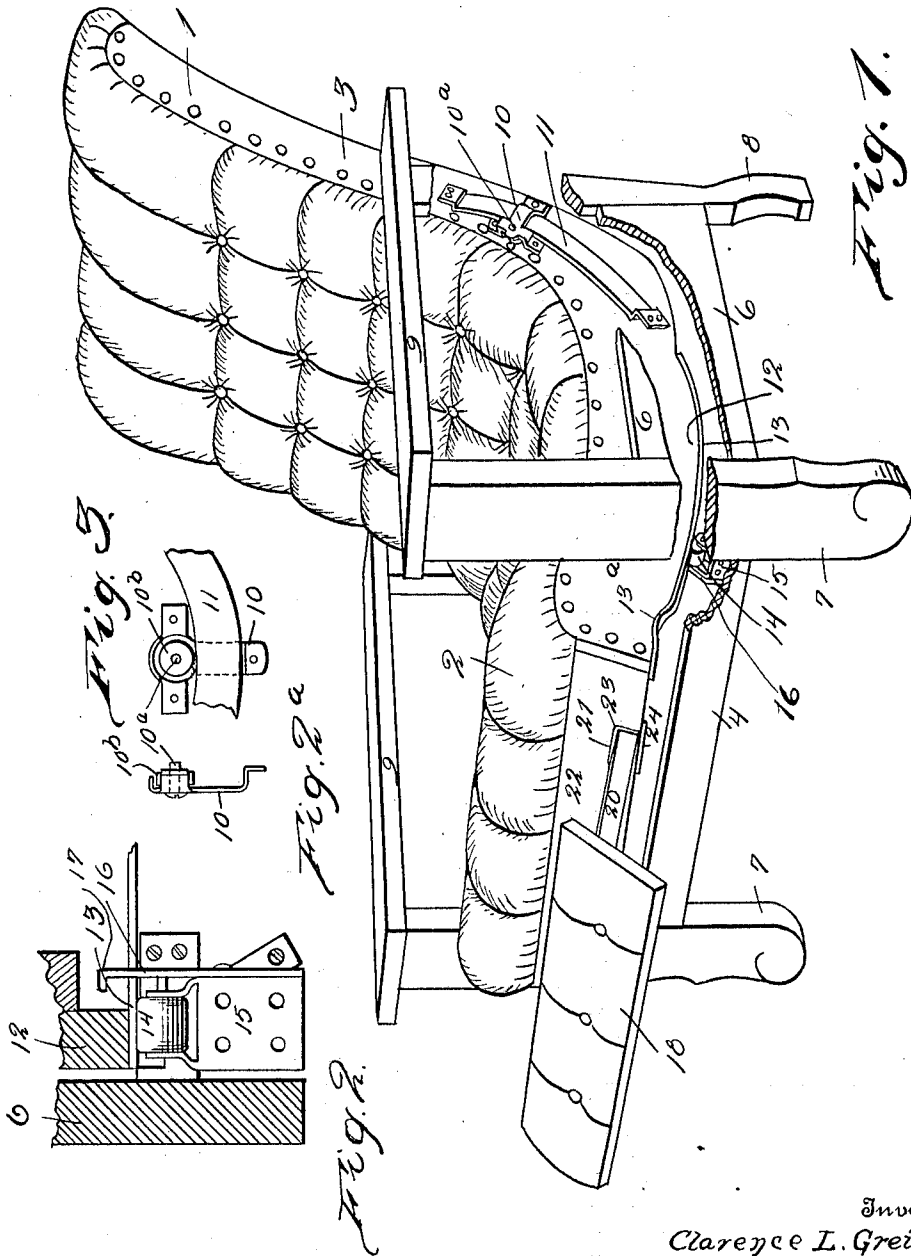
MORRIS CHAIR.

APPLICATION FILED JUNE 25, 1912.

1,048,306.

Patented Dec. 24, 1912.

2 SHEETS—SHEET 1.



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Fig. 4.

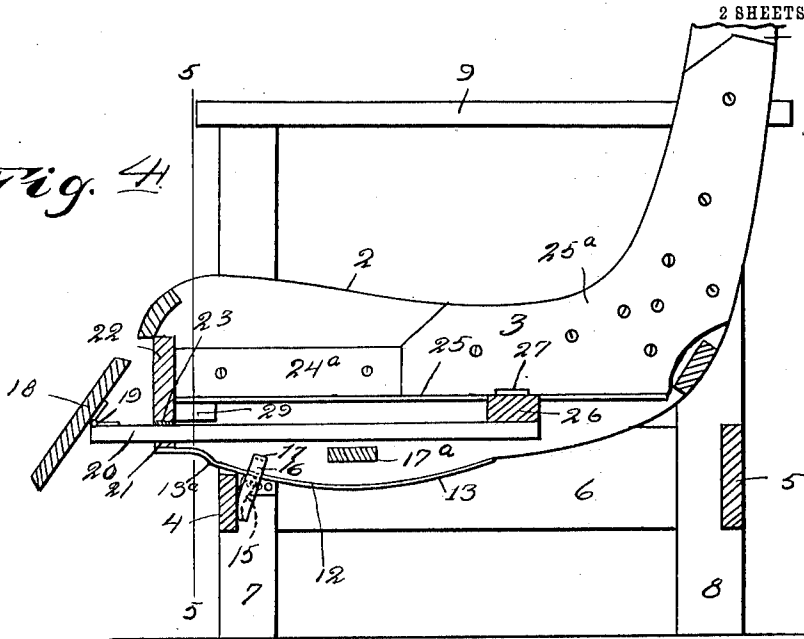
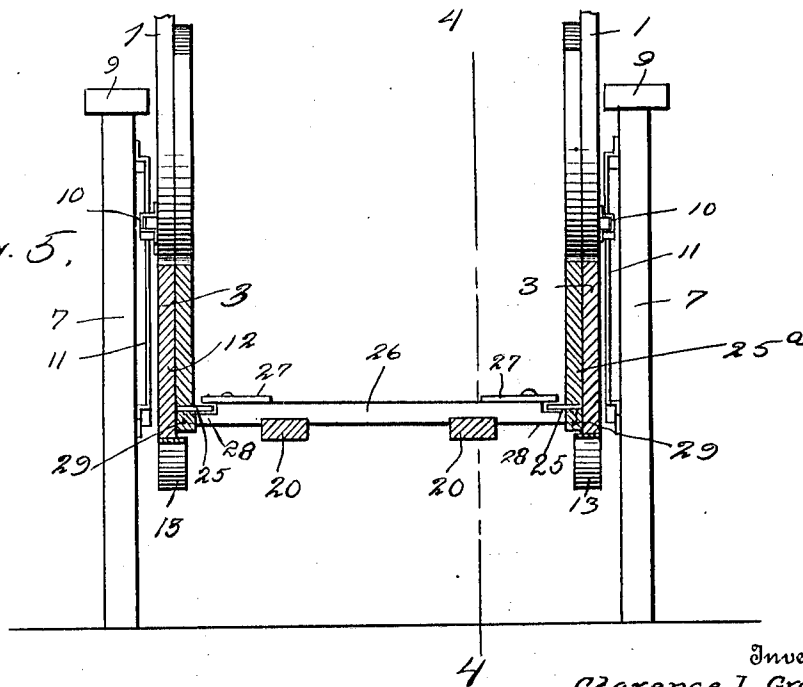


Fig. 5.



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UNITED STATES PATENT OFFICE.

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MORRIS CHAIR.

1,048,306.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CLARENCE L. GREILICK, a citizen of the United States, residing at Traverse City, in the county of Grand Traverse and State of Michigan, have invented certain new and useful Improvements in Morris Chairs, of which the following is a specification.

The present invention relates to an article of furniture and more particularly to a chair of the type commonly known as Morris chair.

The invention aims to provide a Morris chair, which is formed of few and simple parts, is comfortable, easily adjustable, neat in appearance, and cheap to manufacture.

A further object of the invention is to provide novel and simple means to securely hold the movable support, including the back and seat, in its upright position.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numerals are employed to designate like parts throughout the same, Figure 1 is a perspective view of my improved chair, Fig. 2 is an enlarged detail section through one corner of the chair, showing the lower supporting roller, Fig. 2^a is an edge view of the upper bracket and its roller, Fig. 3 is an inner side elevation of the same, Fig. 4 is a longitudinal vertical sectional view through the chair, taken on line 4—4 of Fig. 1, and, Fig. 5 is a vertical transverse sectional view taken on line 5—5 of Fig. 4.

In the drawings wherein is illustrated a preferred embodiment of my invention, the numeral 1 designates a back of a chair and 2 the seat, which form in effect, an integral movable support, curved as shown. The back and seat include side rails 3, curved, as shown. The back and seat are padded and may be upholstered in any desired manner.

The stationary body portion of the chair is in the form of a rectangular horizontal frame, including strips 4, 5 and 6, which are connected with forward and rear legs 7 and

8, as is customary. Secured upon the upper ends of these legs are arms 9.

The rails 3, back 1, and seat 2 are disposed within the body portion and between the chair legs, as shown. Rigidly mounted upon the rails 3 at the intermediate curved portions thereof, are substantially T-shaped brackets 10, receiving therein curved tracks 11, having their ends off-set, as shown. The upper ends of these tracks are rigidly secured upon the inner surface of the upper end portions of the rear legs 8 while the lower ends of these tracks are rigidly connected with the inner surface of the strips 6, midway the ends thereof. Attention is called to the inclined position of the tracks 11, which permit of the circular swinging of the curved rails 3. Each of the T-shaped brackets 11 is provided with an inwardly extending bolt 10^a or the like, upon which is rotatably mounted a roller 10^b, to travel upon the upper longitudinal edge to the curved track 11. Attention is called to the fact that the rails 3 may partake of restricted swinging movement with relation to tracks 11, to raise the forward end of seat 2, for a purpose to be described.

The forward lower edges of the rails 3 are shaped into curved portions 12, upon which are rigidly mounted shoes 13, extending inwardly beyond these rails, as more clearly illustrated in Figs. 2 and 5. These shoes 13 are curved longitudinally through their entire length and are provided near their forward ends with pronounced humps or shoulders 13^a. The shoes 13 are disposed to travel upon rollers 14, suitably mounted within stationary brackets 15, which are fixedly mounted within the corners of the main frame adjacent the forward legs 7. As more clearly shown in Fig. 2, each bracket 15 has a keeper 16 rigidly connected therewith, which has its upper end bent to form a horizontal tip 17, suitably spaced from the upper surface of the shoe 13, as shown. Disposed below the seat 2 is a transverse reinforcing bar 17^a, connected with the rails 3 and suitably spaced from the shoes 13, so that it will not engage the tip

17 of the keeper 16 to prevent the proper swinging of the movable support including back and seat.

I provide a swinging foot rest 18, hinged
 5 as shown at 19, upon the outer ends of horizontal reciprocatory bars 20 forming a movable support for the rest, whereby such foot rest may be arranged at different convenient distances from the seat 2. These bars 20
 10 extend through openings 21 formed in a transverse strip 22 included in the seat 2. These openings 21 are preferably provided with metal sockets 23, held in place by plates 24 secured to the strip 22, as shown.
 15 Rigidly connected with reinforcing strips 24^a and 25^a on the seat portion of the rails 3, are horizontal tracks 25. Rigidly connected with the inner ends of the bars 20 is a transverse bar 26, provided at its ends and
 20 upon its upper surface with metal plates 27, which engage the tracks 25. At its ends the transverse bar 26 has reduced extensions 28, which slidably engage the lower surface of the tracks 25. Fixed stops 29 are provided,
 25 which are disposed in the path of travel of the transverse bar 26, whereby the outward movement of the foot rest 18 is limited.

In the use of my improved chair, the movable support including the integral back and
 30 seat may be circularly swung to bring it to a desired position, such movement being limited by the engagement of the brackets 10 with the off-set ends of the tracks 11. The shoes 13 and rollers 14 serve to properly support this movable support. When
 35 the movable support including the seat and back is swung to its upright position, the rollers 14 will engage behind the shoulders 13^a, to rigidly lock the same in this position.
 40 When it is desired to swing the movable support from the upright position, the forward end of the seat 2 is elevated so that rollers 14 may clear shoulders 13^a upon the longitudinal movement of the shoes 13. This is
 45 accomplished by either raising the forward end of the seat 2 or depressing the upper end of back or rails 1, whereby said rails partake of a restricted swinging movement with relation to the track 11, as hereinabove set
 50 forth. The upward movement of the forward end of the seat 2 is limited when the shoes 13 engage the tips 17 of the keepers 16. The foot rest 18 may be moved toward or away from the seat 2, and may also be
 55 swung upon its support.

It is to be understood that the form of my invention herewith shown and described, is to be taken as a preferred example of the same and that certain changes in the shape,
 60 size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I
 65 claim:—

1. A chair of the character described, comprising a main supporting structure including legs, a curved support including a seat and back, connecting means between the main supporting structure and support including curved tracks and brackets receiving them, curved shoes carried by the seat portion of said support, and means engaging the shoes and attached to the main supporting structure. 70

2. A chair of the character described, comprising a stationary supporting structure, a swinging support mounted therein to be moved with relation thereto, brackets rigidly mounted upon opposite sides of the swinging support, rollers carried by the brackets, and curved tracks placed in engagement with the rollers and rigidly connected with the stationary supporting structure. 75

3. A chair of the character described, comprising a stationary supporting structure, a swinging support mounted therein to be moved with relation thereto, shoes curved longitudinally throughout their length and provided near their ends with humps and rigidly mounted upon the swinging support, fixed brackets, rollers carried by the brackets and engaging the shoes, and keepers having portions thereof disposed near and spaced 85 from said shoes. 90

4. A chair of the character described, comprising a stationary supporting structure, a swinging support mounted therein to be moved with relation thereto, shoes 100 rigidly connected with the swinging support and being curved longitudinally throughout their length and provided near their forward ends with humps, fixed brackets, rollers mounted in the fixed 105 brackets and engaging the lower surface of the shoes, and keepers connected with the fixed brackets and having portions thereof spaced from the upper surface of the shoes.

5. In a chair of the character described, a 110 stationary supporting structure, a longitudinally movable support including side rails, connecting means between the intermediate portion of the movable support and the rear portion of the stationary supporting 115 structure, shoes attached to the forward ends of the rails included in the movable support and provided with humps, rollers connected with the forward corner portions of the stationary supporting structure and 120 engaging the shoes, and keepers suitably connected with the stationary supporting structure and having portions thereof disposed above and spaced from the exposed inner portions of the shoes to limit the vertical movement of the forward end of the movable support. 125

6. In a chair of the character described, a stationary supporting structure, a movable support mounted therein, tracks connected 130

with the stationary supporting structure, T-shaped brackets straddling the tracks, rollers connected with the heads of the T-shaped brackets and disposed above the
5 tracks, and means connecting the three ends of each T-shaped bracket with the movable support.

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

CLARENCE L. GREILICK.

Witnesses:

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K. D. LEWIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
