

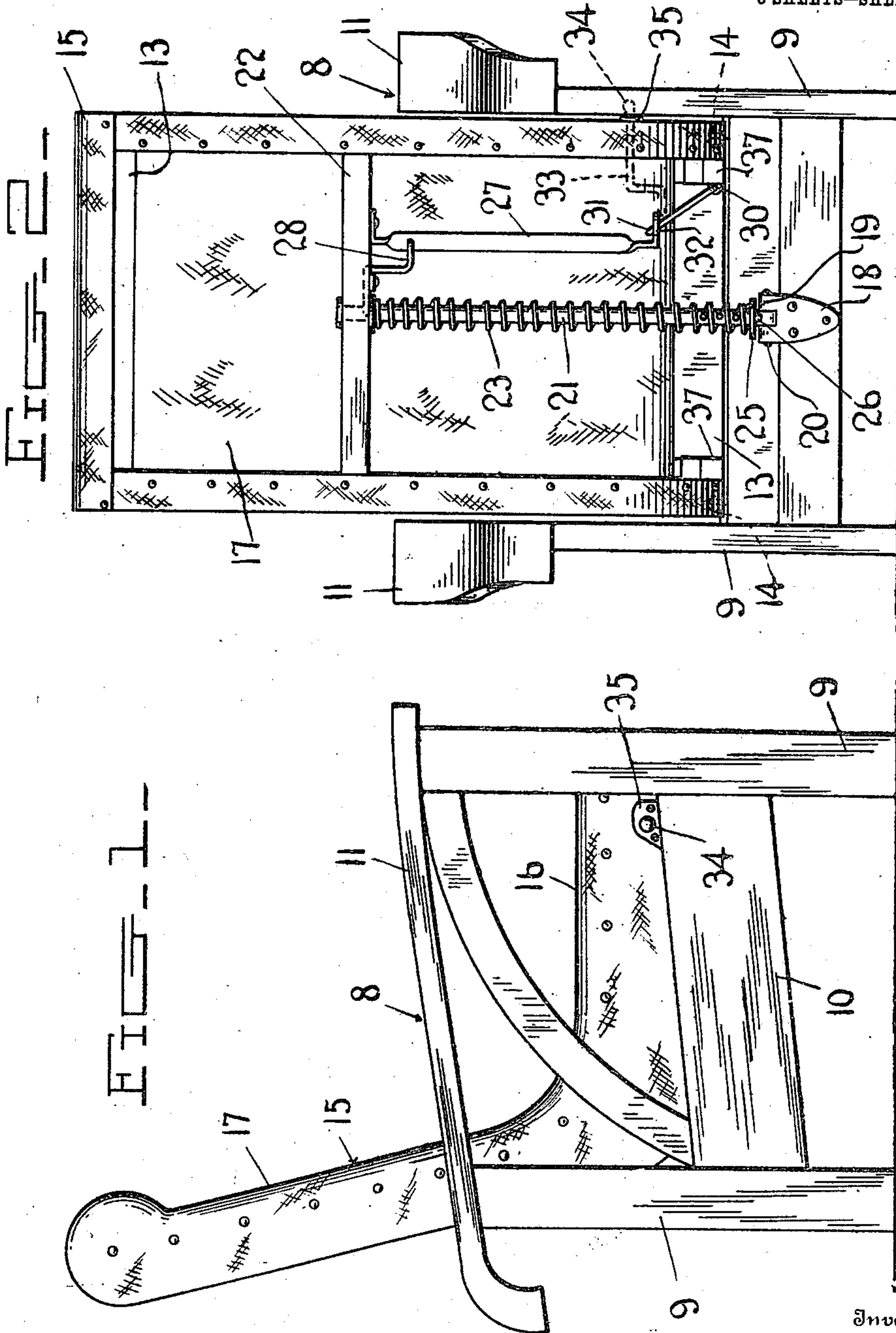
F. E. FOLTS.  
CHAIR.

APPLICATION FILED JULY 1, 1909.

964,012.

Patented July 12, 1910.

3 SHEETS—SHEET 1.



Inventor

Frank E. Folts

Witnesses

L. B. James  
W. T. Miller.

334

*Signature*

Attorneys

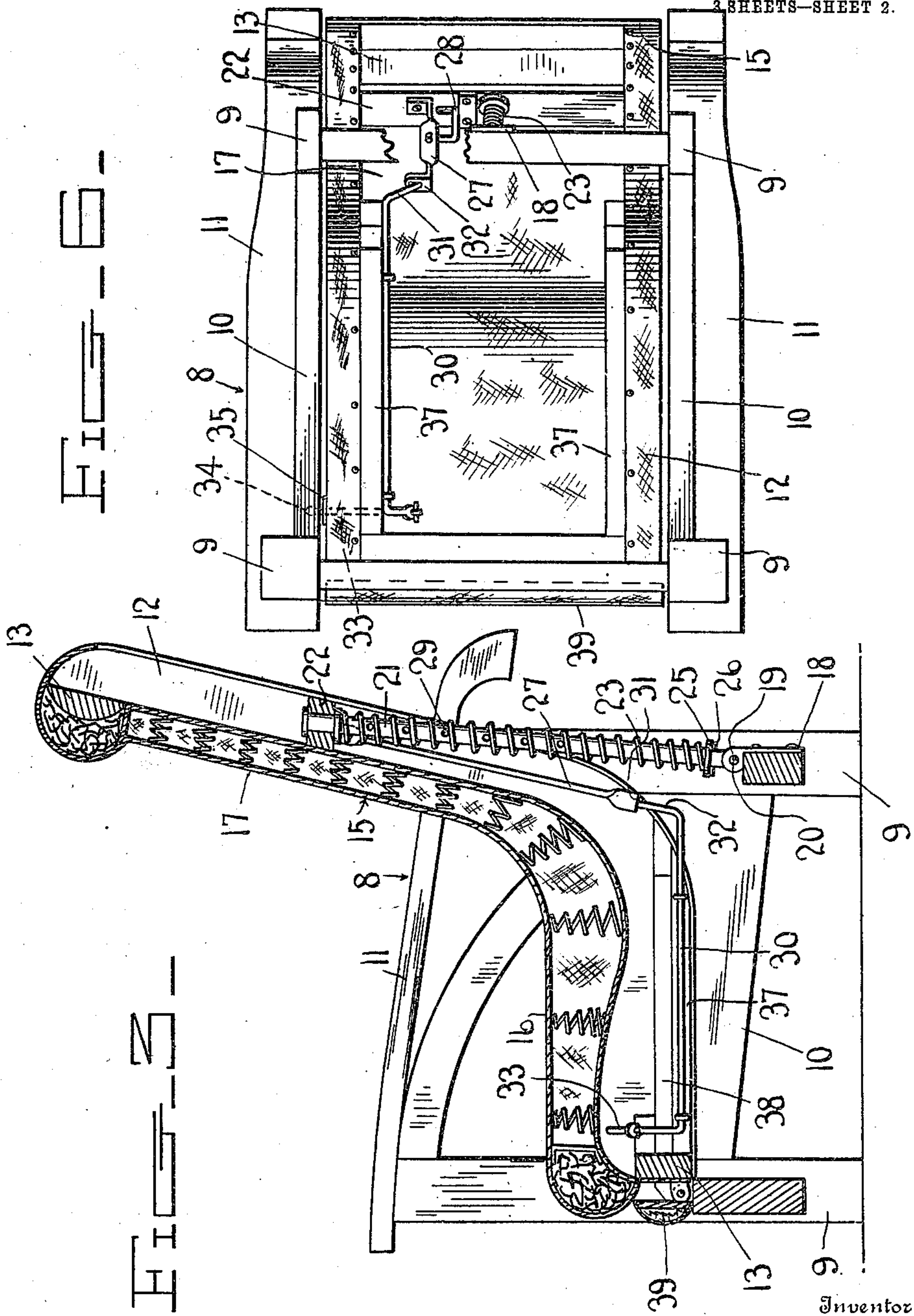
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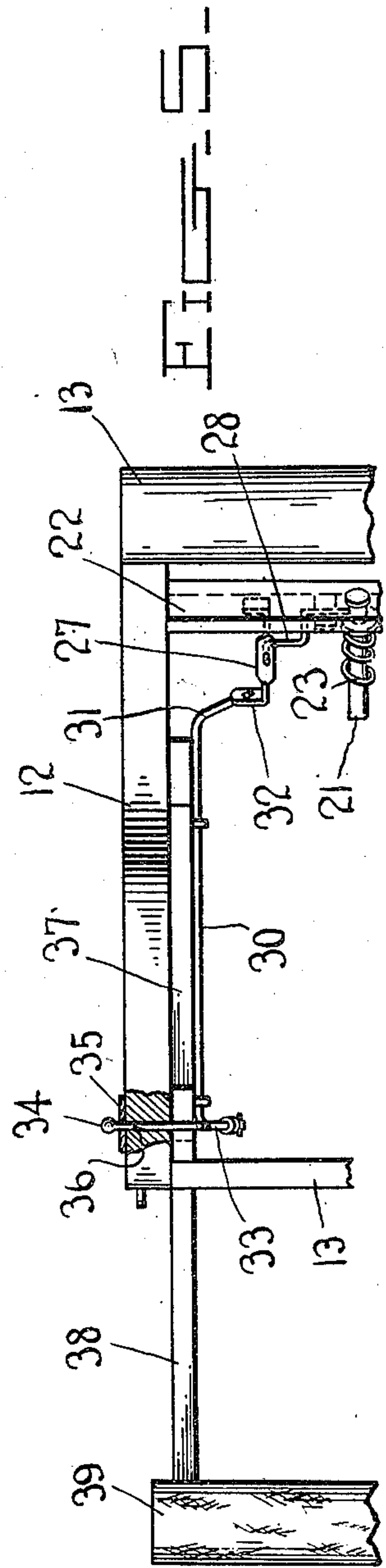
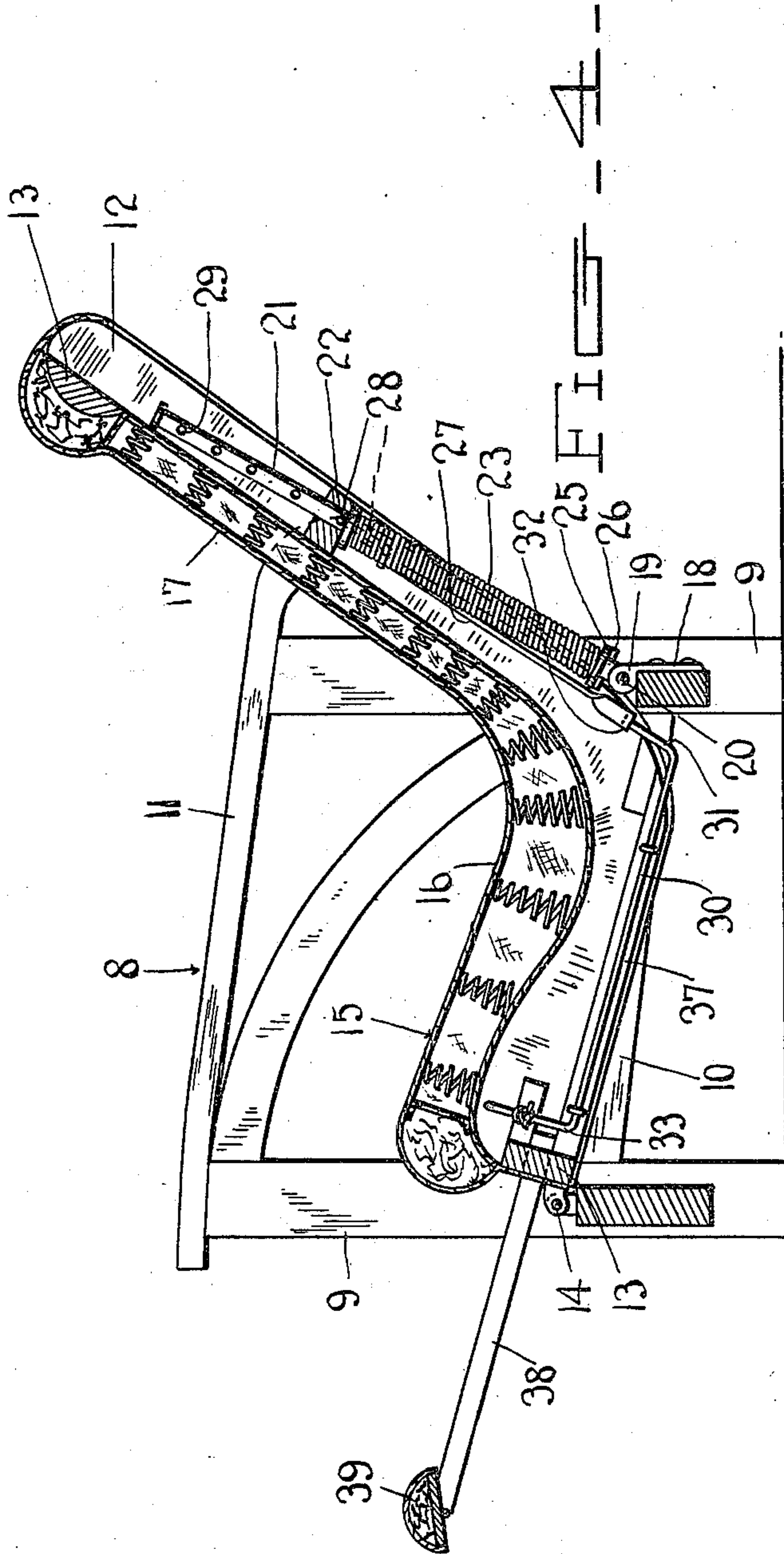
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3 SHEETS—SHEET 3.



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# UNITED STATES PATENT OFFICE.

FRANK E. FOLTS, OF LINCOLN, NEBRASKA.

## CHAIR.

964,012.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed July 1, 1909. Serial No. 505,467.

*To all whom it may concern:*

Be it known that I, FRANK E. FOLTS, a citizen of the United States, residing at Lincoln, in the county of Lancaster, State of Nebraska, have invented certain new and useful Improvements in Chairs; and I do hereby 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 it appertains to make and use the same.

The invention relates to a chair and more particularly to the class of reclining or Morris chairs.

The primary object of the invention is the provision of a chair of this character in which the seat and back thereof may be adjusted to either a sitting or reclining position according to the wishes of an occupant, and also permit the latter to have a rocking or teetering motion if so desired.

Another object of the invention is the provision of a chair of this character which is capable of imparting to the occupant a rocking or teetering movement and that will enable the said occupant to assume either a sitting or reclining position, and means under the control of the occupant for locking and releasing the chair in various adjusted positions.

Another object of the invention is the provision of a chair of this character which is simple in construction, durable, thoroughly efficient in operation and inexpensive in the manufacture.

In the drawings accompanying and forming part of this specification is illustrated the preferred form of embodiment of the invention, which to enable those skilled in the art to practice the invention, will be set forth at length in the following description, while the novelty of the invention will be brought out in the claims succeeding the description. However it is to be understood that changes, variations and modifications may be made, such as come properly within the scope of the appended claims without departing from the spirit of the invention or sacrificing any of its advantages.

In the drawings;—Figure 1 is a side elevation of the invention the same being in a normal sitting position. Fig. 2 is a rear elevation thereof. Fig. 3 is a longitudinal sectional view. Fig. 4 is a similar view with the chair in an inclined position. Fig. 5 is a fragmentary plan view, partly in sec-

tion, of the back portion of the chair with the covering removed. Fig. 6 is a bottom plan view.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

In the drawings the numeral 8 designates generally a suitable supporting frame comprising legs 9, the bars 10, which connect the legs together and the arms 11 which are disposed at the upper ends of the legs on opposite sides of the frame.

Mounted in the frame 8, is a unitary swinging seat and back section which latter comprises a frame formed of correspondingly shaped curved side bars 12, united by end cross bars 13, and these side bars 12, are connected by pivots 14, to the front cross bars of the supporting frame to permit the swinging frame to be moved to a reclining position at the will of the occupant.

The swinging frame is suitably upholstered and covered as is designated by the numeral 15, so as to afford a comfortable seat portion 16, as well as a back portion 17, for an occupant.

Fixed centrally on the rear bar 10, of the supporting frame is a plate 18, the same formed with spaced bearing ears 19, between which latter is mounted for swinging movement by a pivot 20, the lower end of a guide rod 21, the latter slidable through a suitable opening contained in a cross bar 22, fixed to the swinging frame near the upper end thereof. Surrounding the guide rod 21 is a coiled tension spring 23, the latter having one end bearing against a washer contacting with the under face of the cross bar 22, and the opposite end bearing against a washer 25, located near the lower end of the guide rod and resting against a cotter pin 26, mounted in the said guide rod, so that the swinging frame will be tensioned when it is moved from a sitting position to an inclined or reclining position.

Fixed to the crossbar 22, at one side of the guide rod 21, is a depending flat spring arm 27, to which is connected a pivotal catch or locking member 28, the same being slidably held in the cross bar 22, and is adapted to engage and disengage in any one of a series of openings 29, contained in one side of the guide rod. In this manner the swinging frame can be locked in various adjusted positions according to the desire of the occupant.



Hinged to one side bar 12 of the swinging frame is a rocking lever 30, the same having right angular terminal arms 31, to one of which is pivotally connected a right angular extension 32, of the spring arm 27, and to the other arm 31, of said rocking lever is connected a pull rod 33, the same freely passing through the adjacent side bar 12, at the forward end of the swinging frame and terminating exteriorly thereof in a grip button 34, to be manipulated by the operator for releasing the catch or locking member 28, from engagement with the guide rod.

Mounted upon the frame section and surrounding the pull rod 33, is a plate 35, formed with notches 36, to engage the pull rod 33, for locking the latter when it has been properly moved to release the catch or locking member 28, from engagement with the guide rod so as to permit free movement of the swinging frame.

Mounted in the swinging frame and slidable upon the guide pieces 37, is a foot rest frame 38, the latter having hinged thereto a foot rest section 39, which may be adjusted to suit the occupant of the chair and also the frame 38, can be extended at the will of the occupant.

It will be noted that the cotter pin 26, can be inserted in any one of a suitable number of openings arranged at intervals longitudinally in the lower end of the guide rod so as to enable the tension of the spring 23, to be varied at will.

What is claimed is:—

1. A chair of the class described comprising a supporting frame having legs and bars connecting the same together, arms secured to the upper ends of said legs at opposite sides of the supporting frame, a swinging frame having correspondingly shaped curved side bars and cross connecting bars at opposite ends to form a unitary seat and back portion, pivots connecting the forward end of said swinging frame to the front legs of

the supporting frame, a cross bar fixed to the swinging frame near the free end thereof, a guide rod pivotally connected to the rear of the supporting frame and slidably engaging the cross bar of the swinging frame, a tension spring surrounding said guide rod and acting upon the swinging frame, a spring controlled locking member engaging the guide rod to hold the swinging frame in adjusted position, and manually operable means carried by the swinging frame and connected to the locking member to permit the releasing of the latter.

2. A chair comprising a supporting frame, a swinging frame forming a unitary seat and back portion, pivots connecting the forward end of the seat portion to the supporting frame, a cross bar fixed to the upper portion of the back portion of the swinging frame and containing a central opening, a guide rod having its lower end pivotally connected to the rear end of the supporting frame and slidable through the opening in the cross bar, a coiled expansion spring surrounding the guide rod for tensioning the swinging frame, the said guide rod being provided with a plurality of apertures arranged in spaced relation to each other, a locking member having connection with the cross bar and adapted for engagement with any one of the apertures in the guide rod to lock the swinging frame in adjusted position, a spring normally holding the locking member in engagement in one of the apertures in the guide rod, and manually operable means on the swinging frame and having connection with the spring to act upon the same for releasing the locking member.

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

FRANK E. FOLTS.

Witnesses:

J. R. SWAN,  
H. H. BACHE.