J. FLINDALL.

FOOT AND LEG REST.

APPLICATION FILED JAN. 13, 1908.

920,854. **Patented May 4, 1909.**

Fig. 1.

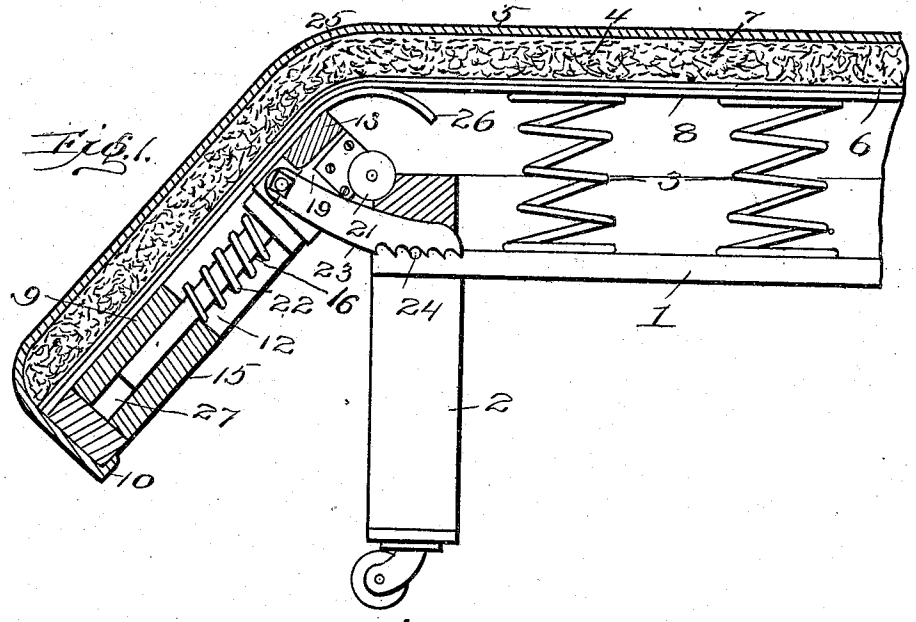
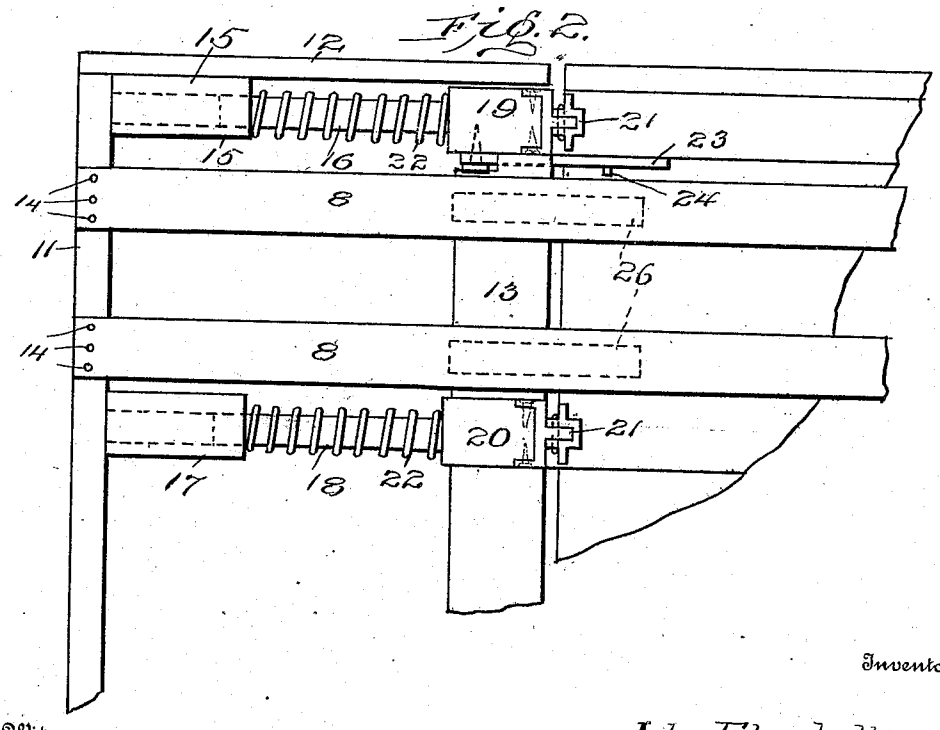


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

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FOOT AND LEG REST.

No. 920,854. Specification of Letters Patent. Patented May 4, 1909.

Application filed January 13, 1908. Serial No. 410,643.

To all whom it may concern:

Be it known that I, JOHN FLINDALL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Foot and Leg Rests; 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.

This invention relates to improvements in chairs, and particularly to leg rests therefor, and has for an object the provision of a rest that may be folded down in front of the chair and again moved up to any desired position.

Another object in view is the provision of an upholstered chair and a foot rest secured thereto and having the upholstering of the chair extend over and cover the foot rest, the foot rest being so arranged as to be moved to an upper or raised position or lowered to a position out of the way, as may be desired, without causing any undue straining of the upholstering.

A still further object in view is the provision of a foot rest arranged to normally hold the upholstering positioned thereon in correct position, and without any bagging or wrinkling of the upholstering either in an elevated or a lowered position.

With these and other objects in view the invention comprises certain novel constructions, combinations and arrangement of parts as will be hereinafter more fully described and claimed.

In the accompanying drawings: Figure 1 is a vertical section through a part of an upholstered chair and foot and leg rest. Fig. 2 is a top plan view of Fig. 1, the upholstering being removed to better disclose the construction and operation of the foot rest.

In constructing a chair and foot rest according to the present invention a chair frame or body 1 is provided of any desired structure having legs or supports 2. Positioned upon frame 1 are any desired kind of springs 3 for holding in position upholstering 4. The upholstering 4 may be of any desired kind having a covering 5 upon the upper side of any desired material as, for instance, plush, and a bottom piece or cover 6 of any strong material for holding the packing 7 in position, and against which springs 3 may act. Ordinarily, however, I provide strips 8 of strong cloth which are designed to receive one end of spring 3 and thereby assist the cover 6 and incidentally to prevent any wear thereon. The upholstering 4 is designed to extend over a foot and leg rest 9 and be secured thereto at 10 so that any movement of the leg rest will be communicated to that part of the upholstering. The leg rest 9 is formed with a framework having an end piece 11 and side pieces 12, together with a cross bar 13. The strips 8 are designed to extend over from the chair to the outer end of foot rest 9 and be secured in position by suitable means as tacks at 14. Secured to the end pieces 12 are legs or guides formed with an opening therein and into which pivotally mounted rod 16 is positioned and upon which rod the legs or guides 15 are adapted to reciprocate. One leg on each end of the foot rest is usually sufficient, but if desired, a central leg 17 may be provided and which is adapted to reciprocate upon rod 18. Secured to bar 13 opposite leg 15 are blocks 19 to which rod 16 is secured. The central rod 18 is secured to a block 20. Blocks 19 and also block 20 are pivotally secured in position upon the framework 1 by suitable hinges 21 so that the blocks together with rods 16 and 18 and the remaining part of the rest 9 may be swung upward or downward as the case may be. Mounted upon rod 16 and also rod 18 are springs 22 that normally force outward blocks 15 and blocks 17, together with the framework formed of members 12 and 11.

In order that the rest 9 may be held at any desired position as, for instance, the angle shown in Fig. 1, a pawl as 23 is pivotally mounted upon one of the blocks 19 which is designed to engage with pin 24 secured in framework 1.

In forming a chair and rest the chair is formed in the usual manner with the exception that the upholstering 4 is extended over a considerable distance in front so that the same may be secured in position upon rest 9. After being secured in position upon rest 9 the rest may be pivotally moved upon hinges 21 to any desired extent and held in the adjusted position by placing one of the notches in pawl 23 in engagement with pin 24. When the rest 9 is moved to a horizontal, or approximately horizontal position, the upholstering would normally bag or puff up at point 25, but by reason of the continual pres-

sure of springs 22 bar 11 has a continuous tendency to move outward and consequently gives a continual tendency for the upholstering 4 to be stretched and consequently any bagging at point 25 will be obviated. In folding rest 9 in the lowered position the upholstering at point 25 would ordinarily be stretched or strained, but by reason of the yielding action of spring 22 member 11 may move upward or toward point 25 and consequently permit the folding down of the rest without unduly straining the upholstering. In moving the rest 9 upward and downward blocks 19 and 20, and also bar 13 would normally press against the bottom cover 6 and wear the same to a certain extent. In order to obviate this I provide flat curve springs 26 and secure the same to bar 13 at any desired place, as seen in Fig. 2, or to blocks 19 and 20, as may be desired, or both upon blocks 19 and 20 and bar 13. This spring is not absolutely necessary but is more desirable as the same obviates or prevents any considerable wearing at this point.

It will be evident that blocks 15 and also block 17 are formed with an aperture 27, and the blocks are of sufficient length so that the rods 16 and 18 may freely reciprocate as the rest 9 moves upward and downward, without danger of moving out of the aperture.

What I claim is:

1. In a chair, a body portion, a seat-extension made in two parts, one part having a slide, and the other part having a recess for the slide to travel in, a continuous upholstering attached to the body portion and also attached to the outer extension part, and means to keep the upholstering taut by resilient pressure exerted against the outer extension part.

2. In a chair, a chair body, a foot and leg rest pivotally secured thereto, upholstering for said body and said foot and leg rest formed in one continuous piece, means for varying the angle of said foot and leg rest with respect to the said chair body, and curved friction plates secured to the frame of the foot and leg rest and contacting with the upholstery under said angle for preventing undue wear of the same.

3. In a chair, a chair body, upholstering therefor, a pivotally mounted foot and leg rest secured to said chair body, means for placing the foot and leg rest under a continuous outward pressure, upholstering for said foot and leg rest, said upholstering for said foot and leg rest and said chair body being formed in one piece and held taut by the continuous outward pressure against said foot and leg rest.

4. In a chair, a chair body, a pivotally mounted foot and leg rest secured thereto, upholstering extending over said chair body and said foot and leg rest, and a spring for forcing the outer part of said foot and leg rest to an outer position by a resilient longitudinally directed pressure for holding said upholstering taut.

5. In a chair, a chair body, a foot and leg rest pivotally secured thereto, upholstery for said body and said foot and leg rest formed in one continuous piece, means for varying the angle of said foot and leg rest with respect to the said chair body, and curved resilient friction plates secured to the frame of the foot and leg rest and contacting with the upholstery under the said angle for preventing undue wear thereof.

6. In a chair, a chair body proper, a foot and leg rest pivotally secured thereto and formed with a framework mounted, to reciprocate, and springs for normally forcing said framework away from the pivotal point of said foot and leg rest, upholstering for said chair body and said foot and leg rest formed in one continuous piece, means for securing the end of said upholstering to said framework of said foot and leg rest whereby the upholstering is kept taut by reason of the continual tendency of said framework moving outward under the action of said springs, and means for holding said foot and leg rest at any desired angle.

7. In a chair, a chair body, a foot and leg rest hinged to the said body, the said foot and leg rest comprising a frame formed of a pair of sections, and springs disposed between the sections and acting to normally extend the frame longitudinally, and a single piece of upholstery secured to the said chair body and the said foot and leg rest.

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

JOHN FLINDALL.

Witnesses:
GEO. SMITH,
OLIVE M. CLARK.