

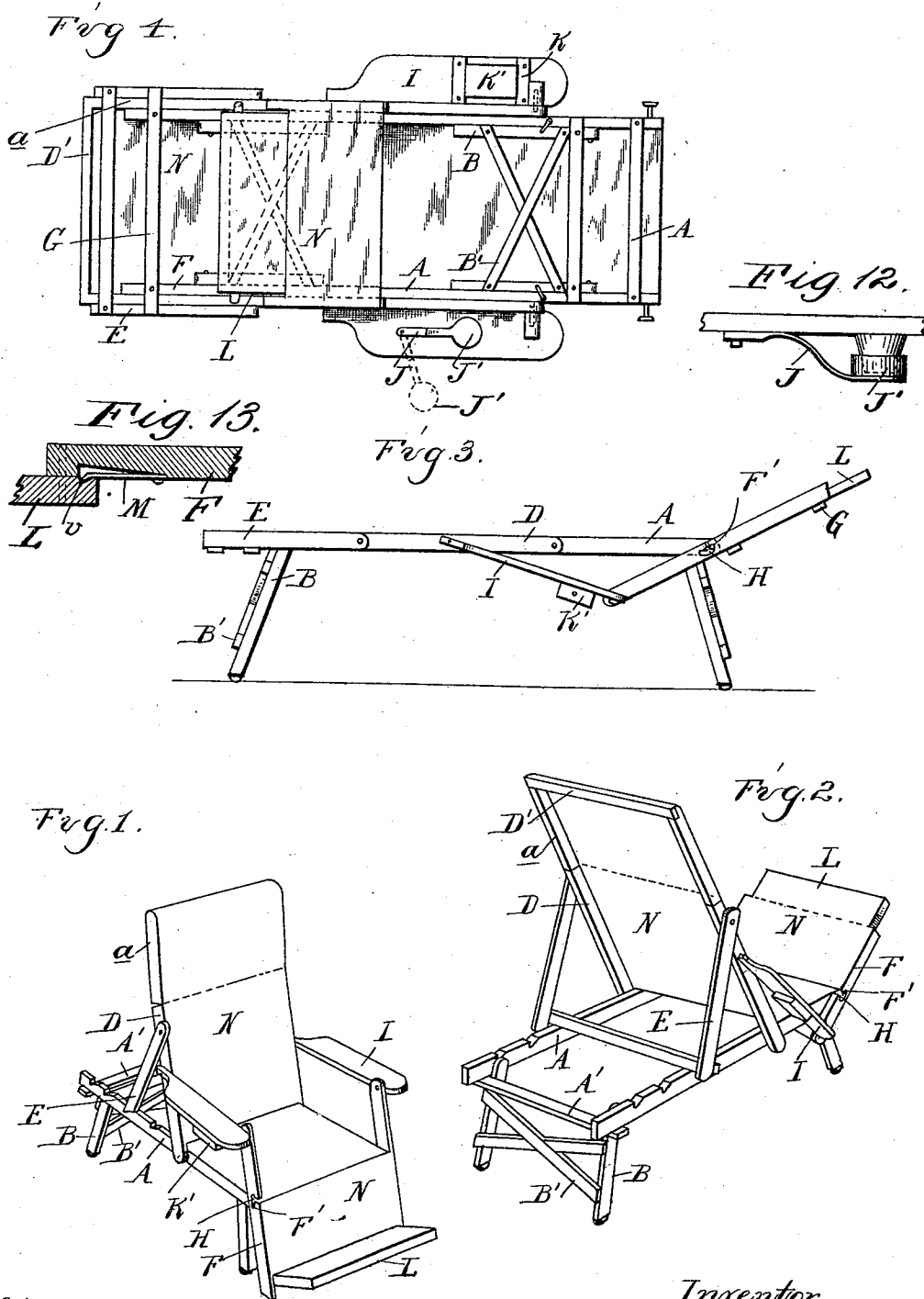
(No Model.)

2 Sheets—Sheet 1.

T. FORTIER.
RECLINING CHAIR.

No. 543,681.

Patented July 30, 1895.



Witnesses
A. C. Kobby
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Inventor,
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(No Model.)

2 Sheets—Sheet 2.

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Fig. 7.

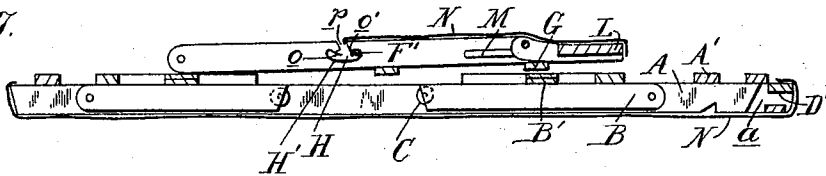


Fig. 6.

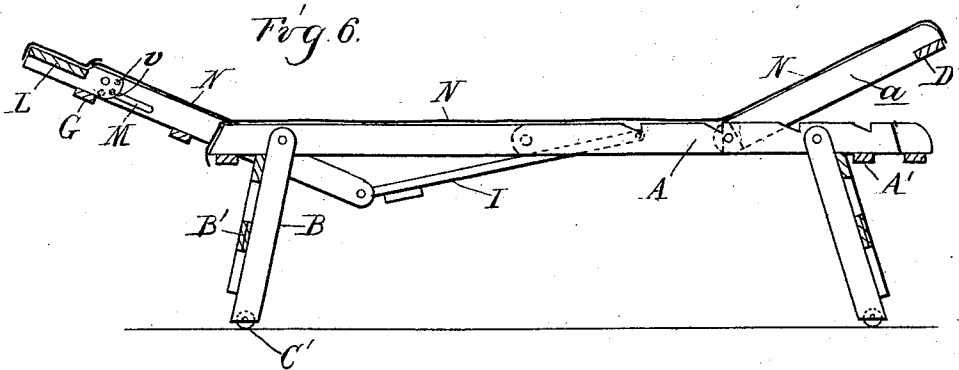


Fig. 8.

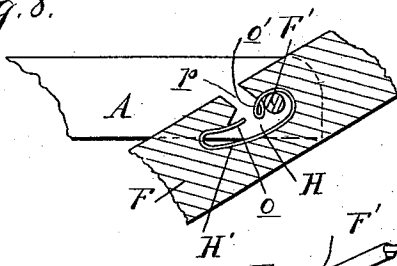


Fig. 5.

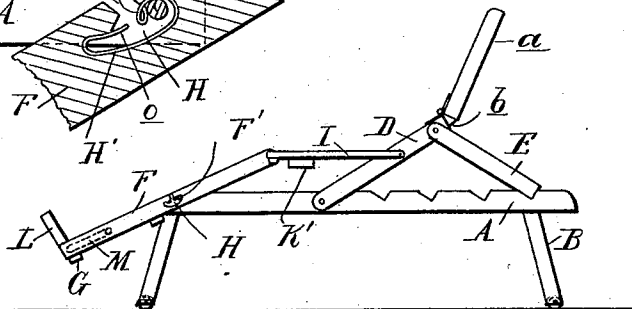


Fig. 10.

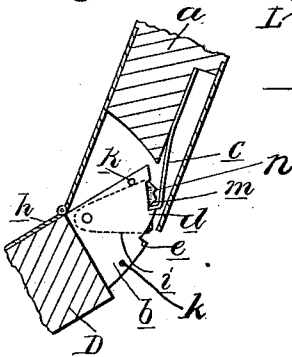


Fig. 9.

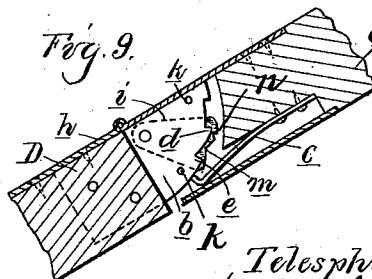
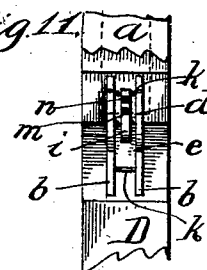


Fig. 11.



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UNITED STATES PATENT OFFICE.

TELESPHORE FORTIER, OF DETROIT, MICHIGAN.

RECLINING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 543,681, dated July 30, 1895.

Application filed March 11, 1895. Serial No. 541,240. (No model.)

To all whom it may concern:

Be it known that I, TELESPHORE FORTIER, a subject of the Queen of Great Britain, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Reclining-Chairs, of which the following is a specification, reference being had therein to the accompanying drawings.

The chair comprises a frame with folding legs, an adjustable back, and an adjustable foot-section, which latter may be made into a head-section when the device is adjusted for a cot.

The invention consists in the construction, arrangement, and combination of the various parts, all as more fully hereinafter described.

In the drawings, Figure 1 is a perspective view of my device adjusted as a chair. Fig. 2 is a rear perspective view showing a different adjustment of the back and foot sections. Fig. 3 is a side elevation showing the foot-section adjusted for a head-rest, the device being extended as a cot. Fig. 4 is a bottom plan view showing the parts folded up. Fig. 5 is a side elevation showing a similar adjustment of parts to that shown in Fig. 1. Fig. 6 is a longitudinal section through the device adjusted as a cot. Fig. 7 is a similar section, showing the parts folded together. Fig. 8 is a section showing the fulcrum for the foot-rest section; and Figs. 9, 10, and 11 are sections showing different positions of the hinge for the head-section of the back. Fig. 12 is an elevation showing the relation of the pivoted cup J' with the arm I. Fig. 13 is a detail showing the means for adjusting the position of the foot-board L.

The frame comprises the side bars A and end bars A'. To the ends of the side bars of the frame are hinged the leg-frames B, which are adapted to fold up between the sides, as shown in Fig. 4. The sides of the leg-frames are connected by the diagonal braces B'. On the lower ends of the legs are the rollers C', which are let into end recesses in the legs, as shown. Slightly in front of the middle point of the sides of the frame are pivoted the ends of the back-frame, which comprises the side bars D and the end bar D'.

E is a hinged brace for the back, the cross-

bar of which is adapted to engage in any one of a series of notches in the upper face of the frame to hold the back at any desired angle to the frame, as shown in Figs. 1, 2, and 5.

The side bars of the back-section are formed in two parts hinged together, the upper parts a, with the cross-bar, forming what I call the "head-section" of the back. The hinge-joint between the back and its head-section is shown in detail in Figs. 9, 10, and 11, and comprises the two side plates b on the side bars of the back section and the spring-dog c secured to the ends of the head-section, bearing with its edge on the face of the plates, which are provided with the notches or shoulders d e, with which the dog is adapted to engage to hold the head-rest in its adjusted positions in relation to the back, as shown in Figs. 5 and 6. The two parts are connected by any ordinary hinge h. Between the plates is the hinged carrier i, which plays between the stops k, and in the upward movement of the spring-dog is carried thereby until it strikes the upper stop, when further movement causes the dog to engage into the notch m in the carrier, in which position it engages the upper shoulder on the plates. Now, to release the dog and return the head-section to its normal position, the operator moves the dog far enough up, by turning the head-section, to engage into the notched bearing n in the carrier; when a reverse movement of the head-section will move the dog across the plates, being carried above the notches in the plates by its engagement with the carrier. After the carrier strikes the lower stop it is released and returns to its initial position, as shown in Fig. 9. Thus the back may be adjusted upon the frame when it is desired to use it as a cot, and the head-section may be adjusted in relation to the back when desired.

The foot-section comprises the side bars F, which are pivoted at or near their middle on the pins F' and are connected together on the under side at the lower end by the cross-bar G. The pins F' enter longitudinal slots H in the side bars of the foot-section, as shown in Fig. 8, and this slot is lined or faced with the spring H', having end lips o o' beneath the entering-slot p in the upper part of the side bars so constructed that the pins may slide

from one end to the other of the slots without disengaging therefrom; but by applying pressure on the side bars the spring-lip *o* may be bent to permit the disengagement or re-engagement of the pin with the slot.

I indicates arms or connecting-links extending from the upper end of the foot-section to a point slightly below the middle of the back-section, being pivoted at both ends. On the under side of one of these arms is pivotally secured a spring-arm J, having a cup-shaped socket J' at its free end, adapted to hold a cup or glass, which will be held tightly against the under side of the arm by the tension of the spring, and thus in all ordinary movements of the chair will prevent its spilling. To remove the glass or cup it is simply necessary to turn the cup J', as indicated in dotted lines in Fig. 4. Upon the opposite arm are transverse guides K, in which engages a drawer K', which may be used for holding any desired articles.

At the end of the foot-section is pivoted the foot-board L, which may be extended out parallel with the foot-section or turned at any desired angle thereto, as shown in Figs. 1 and 5. To retain the board L in its adjusted position I make use of spring-catches M, secured to the bars F and having pins adapted to engage with recesses *v* in the foot-board L to hold it in its adjusted position. (See Figs. 6 and 13.) The springs M extend inwardly beyond the ends of the side bars of the foot-board L, and can be disengaged by hand from the recesses *v* when the position of the foot-board is to be changed.

Upon the top of the frame and extending over the foot-section and back is a cloth cover N.

The device thus constructed may be adjusted, as shown in Fig. 1, as a chair, or as in Fig. 2, in which the foot is shown elevated, or, as shown in Fig. 5, as a reclining-chair, or as in Fig. 6, showing it as a cot, or, as in Fig. 3, as a single cot. Either the foot-rest or the back-section may be raised for the head-rest. The chair for transportation purposes or for

storing may be compactly folded up, as shown in Figs. 4 and 7.

This chair and cot is capable of many other adjustments, which will be obvious to any one familiar with its construction.

What I claim as my invention is—

1. In a reclining chair, the combination with the frame, of an adjustable back section, the pivoted end section on the back, means for holding the end section at different angles when it is moved in one direction, comprising a notched member and a swinging carrier member projecting beyond the notches, and a spring dog for engaging the notched member and arranged to engage the carrier member by a further movement of the pivoted section, substantially as described.

2. In a reclining chair, the combination with the body and the adjustable back section, of the foot rest comprising the side bars centrally pivoted at one end of the frame, and being connected to the back section by the arms I, the pivot pins F' engaging longitudinal slots H in the side bars of the foot rest, and the entering slots *p*, of the lining H' for the slots, having the spring lips *o o'* opposite the entering slots, substantially as described.

3. In a reclining chair, the combination of the frame, the folding legs hinged thereto, the back section hinged to the frame, the inclined brace pivoted centrally to the back and adapted to engage notches in the frame, the head section of the back hinged to the lower part thereof and devices for holding the head section in its adjusted position comprising the side plates *b* on the end of the back section, having the shoulders *e* and *d*, the notched carrier *i* between the plates and the spring dog *c* on the head section, the parts combined as and for the purpose described.

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

TELESPHORE FORTIER.

Witnesses:

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O. F. BARTHEL.