

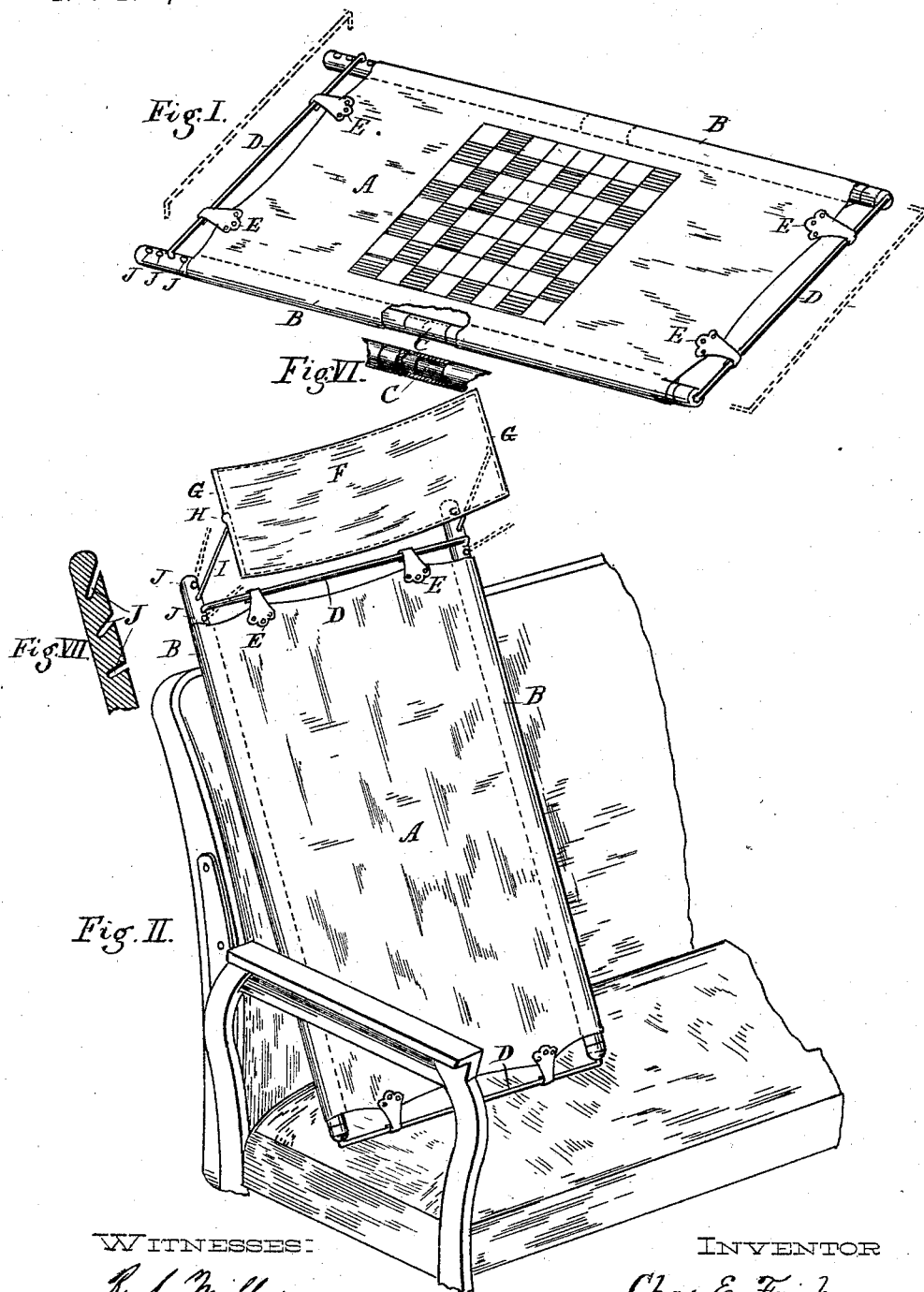
(No Model.)

2 Sheets—Sheet 1.

C. E. FRICK.
COMBINED BACK AND HEAD REST.

No. 418,004.

Patented Dec. 24, 1889.



WITNESSES:

R. S. Millar
A. A. Farelly

INVENTOR

Chas. E. Frick.

By

J. Bailey
Attorney.

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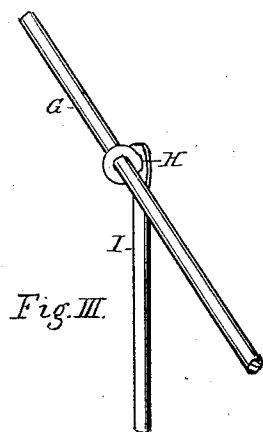


Fig. III.

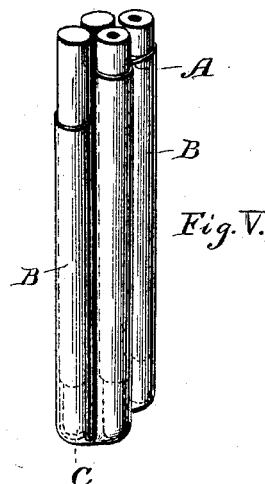


Fig. V.

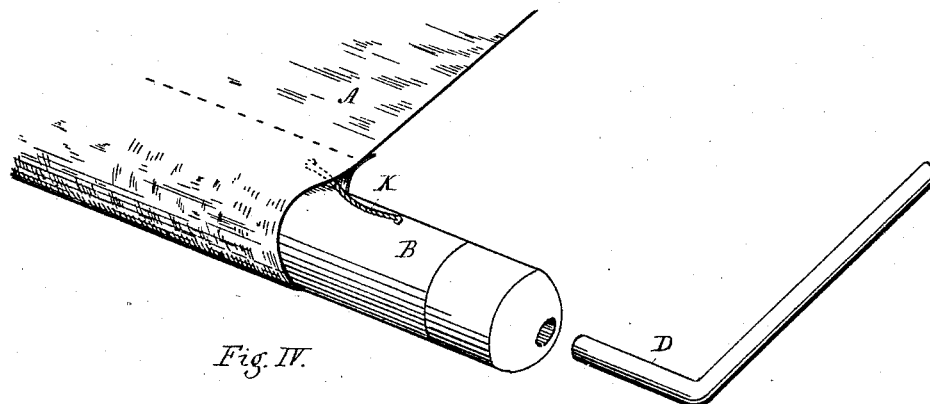


Fig. IV.

WITNESSES:

R. S. Millar

A. A. Farrell

INVENTOR:

Chas. E. Frick.

By

O. Bailey

Attorney.

UNITED STATES PATENT OFFICE.

CHARLES E. FRICK, OF NORWOOD, ASSIGNOR OF ONE-HALF TO FREDERICK GAU, OF CINCINNATI, OHIO.

COMBINED BACK AND HEAD REST.

SPECIFICATION forming part of Letters Patent No. 418,004, dated December 24, 1889.

Application filed June 22, 1889. Serial No. 315,154. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. FRICK, of Norwood, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in a Combined Back and Head Rest, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure I is a perspective view of my device in lap-board form; Fig. II, the same with pillow attached and inclined in a railway-car seat; Fig. III, a detail view of the pivotal connection of the pillow-stay and its supporting-rod. Fig. IV is a perspective view of a portion of one end of the device, showing one of the retaining or stay cords; Fig. V, the device in portable form. Fig. VI is a detail in perspective of the tubular joint. Fig. VII is a detail in section of the upper end of one of the side bars, showing the varying inclinations of the openings.

My invention relates to improvements in appliances primarily intended to relieve the tedium of railway travel; and its object is to provide a simple, inexpensive, and efficient device designed to promote individual comfort, and at the same time to afford facilities for social enjoyment and recreation.

When not in use, the apparatus may be readily and compactly folded, and will occupy but little space in an ordinary valise or satchel, or may be carried in an overcoat-pocket. Being complete in itself, it is not dependent upon any peculiar form of a car-seat or upon any attachment to the same, or to any other part of a car, but is merely supported by the back or arm of the seat or by the adjacent window-sill. In any position it will not injure or deface upholstery or wood-work. It may be used as a head-rest or, by change of adjustment, as a combined back and head rest, and when desired may be readily converted into a lap-board, adapted for games of chess, checkers, and other pastimes. In this form it may also be utilized as a tray by commercial travelers for the display of goods. In another position it becomes a book-rest. It will also be found a desirable adjunct for lawn-chairs, and equally suitable for camping and picnic parties.

Referring to the accompanying drawings, A designates a web of canvas or other flexi-

ble material, the central portion of which is checkered by needle-work or otherwise to adapt it for chess or similar games. The edges of the web are hemmed and fitted to the side bars B, which are made in two sections, so that they may be folded together. The sections are detachably united by tubular joints C. The outer ends of the bars are provided with ferrules having orifices in which the stay-rods D fit, whereby the web is extended and drawn taut. The web is also provided with hooks E, which engage the stay-rods. A head-rest F, also made of suitable flexible material, is attached to stay-rods G, which are pivoted, as shown at H, to supporting-rods I. It will be understood that by this arrangement the head-rest will readily adjust itself to the position of the head. The lower ends of the supporting-rods engage apertures J in the side bars B. These apertures are bored at varying angles from the plane of the bars, as shown by dotted lines in the drawings, and thereby provide means for regulating the height of the head-rest.

If it be desired to use the device for a book-rest, the lower end of the apparatus is placed upon the floor of the car and the head-rest supports I are inserted in the apertures in the upper ends of the bars.

The device is easily made portable by withdrawing two sections of the side bars from the tubular joints, folding them together with the head-rest and its fixtures, and forming all into a roll which may be placed in a small sack. (See Fig. V.)

It will be understood that two of the sections of the side bars are permanently attached to the web, and in order to prevent the other sections from being withdrawn too far in the folding process cords K, of suitable length, are fastened to the bars and also to the web and confine the movement within the desired limit.

Of course the ends of the stay-rod D at the upper end of the back-rest can be inserted in any one set of openings J, so that the web can be thus made more or less taut longitudinally.

What I claim as new is—

1. A combined back and head rest composed of folding side bars, a web of flexible material adjustably attached to said bars at

its side edges, transverse stay-bars having their ends bent to engage in perforations or openings in or near the outer ends of the side bars, one of said stay-bars being longitudinally adjustable on the side bars, and hooks secured to the end edges of the web and engaging the adjacent stay-bars, substantially as specified.

2. The combination, with the side bars having the sets of perforations J near their upper ends, each set of which perforations stands at a different angle from the axes of the side bars, of the adjustable support-rods I, capable of insertion in any one set of perforations J, and the head-rest having its side rods G inserted in eyes H, pivoted in the upper ends of said support-rods, substantially as specified.

3. The combination, with the folding side

bars B, provided in and near their ends with the sets of perforations J, and having their sections detachably connected by tubular joints, the stay-bars D, connecting the side bars near the ends thereof, the web adjustably attached to the side bars and attached to the stay-bars by the hooks E, of the support-bars I, the head-rest, and the eyes H, pivoted in the outer ends of the bars I and carrying the side bars of the head-rest, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand, this 14th day of June, 1889, in the presence of two witnesses.

CHARLES E. FRICK.

Witnesses:

EDWARD DIRNST,
EDWARD HILF.