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Patented June 24, 1902.

H. C. JONES.

SOFA BED.

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(No Model.)

Atty

UNITED STATES PATENT OFFICE.

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SOFA-BED.

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To all whom it may concern:

Be it known that I, HERBERT C. JONES, 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 Sofa-Beds, of which the following is a specification.

The object of this invention is the production of a sofa-bed embodying the improvements herein shown and described.

In the accompanying drawings, Figure 1 is a transverse vertical section through this sofa-bed near one end thereof. Fig. 2 is a similar view showing the parts in a different position. Fig. 3 is a fragmental section on dotted line 3 3 of Fig. 1.

Like letters of reference indicate corresponding parts throughout the several views.

In the construction of this sofa-bed I provide a supporting-framework A, having the ends or arms A', each of which arms has the horizontal track A² and the vertical track A³ fixed rigidly thereto.

B represents the upholstered seat, and B' the back, of this sofa-bed, said seat and said back being hinged together at their adjacent edges. The lower rear edge of the seat is chamfered, as at B², and at each end said seat is provided at this point with a roller B³, intended to run upon the horizontal track A², also with a hoisting-pawl B⁴, loosely supported upon a pivot B⁵. The coinciding edge of the back is similarly chamfered, as at B⁶, and likewise has at this point at each end of said back a roller B⁷, which roller is adapted to run upon the horizontal track A², also upon the vertical track A³. At each end of the back B', I secure the arm B⁸, which arm projects outward beyond the framework of said back and is provided near its outer end with a notch B⁹, adapted to receive the point of one of the hoisting-pawls B⁴. Pivoted legs B¹⁰ of common form turn downward beneath the seat B and support the outer edge of said seat when the latter is extended.

A swinging link C is pivoted to the rear edge of the arm A' at each end of the framework A and at its free end has a pivotal connection with the back B' near the rear edge

of the latter and slightly below its vertical center, as shown in Fig. 1.

When it is desirable to use the sofa as a bed, the seat is drawn forward. This causes the back to swing downward upon its links C, its rollers B⁷ running upon the horizontal tracks A². When the back is in a horizontal position, the forward edge of the seat rests upon the swinging legs B¹⁰, and the sofa is ready to be used as a bed. When it is desirable to restore the bed to sofa form, the forward edge of the seat is raised upward until the points of the pivoted hoisting-pawls B⁴ at each end of the seat engage the notches B⁹ in the arms B⁸. If the seat is now turned downward, the back will be raised from its horizontal position, swinging upward upon the links C, the rollers B⁷ at opposite ends of said back running upon the horizontal tracks A² and when the back nears its normal position striking against the vertical tracks A³.

I claim as my invention—

1. In a sofa-bed, in combination, a supporting-framework having a horizontal track; a seat and a back hinged together, the back having a link connection with said framework, also having an arm extending rigidly from the hinged side thereof, provided with a notch near its outer end; and a gravity-pawl pivotally mounted upon said seat at the side thereof adjacent to said back, for engaging the notch near the outer end of said rigid arm, to hold the seat and the back at an angle with each other.

2. In a sofa-bed, in combination, a supporting-framework; a seat and a back hinged together, the back having a link pivotally connected with each of its ends, the outer ends of said links having a pivotal connection with said framework; an arm projecting from the hinged side of said back, said arm having a notch near its outer end; and a gravity-pawl pivoted upon said seat at the hinged side thereof, which pawl is adapted to engage the notch in said arm to hold the seat and the back at an angle with each other.

3. In a sofa-bed, in combination, a supporting-framework having a horizontal track; a seat and a back hinged together, the back hav-

ing a link connection with said framework; and the back at an angle with each other,
an arm rigidly fixed to said back, extending said seat and said back being provided with
from a point near one end thereof, said arm rollers adapted to run upon said track.
having a notch near its outer end; and a pawl
5 pivotally mounted near one end of said seat
at the hinged side thereof, adapted to engage
the notch in said rigid arm to hold the seat

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Witnesses:

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