

982,139.

W. T. JONES.
CONVERTIBLE COUCH AND BED.
APPLICATION FILED MAY 2, 1910.

Patented Jan. 17, 1911.

2 SHEETS—SHEET 1.

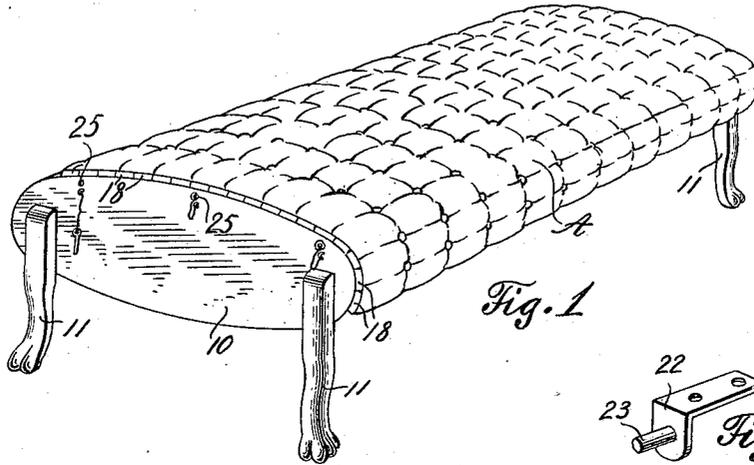


Fig. 1

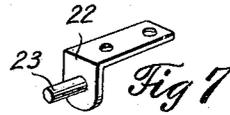


Fig. 7

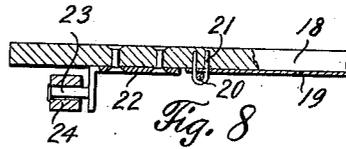


Fig. 8

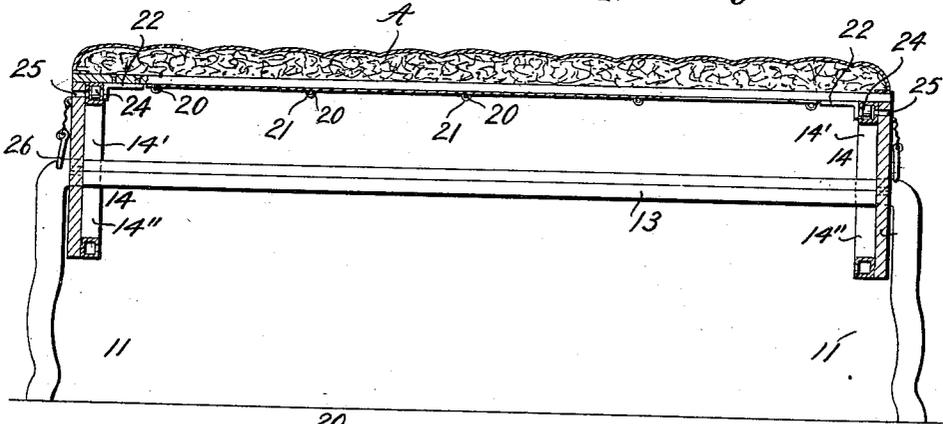


Fig. 2

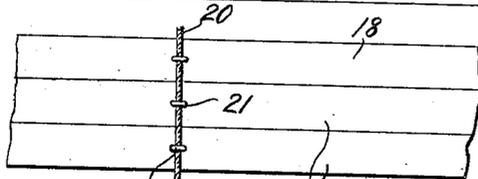


Fig. 9

Witnesses

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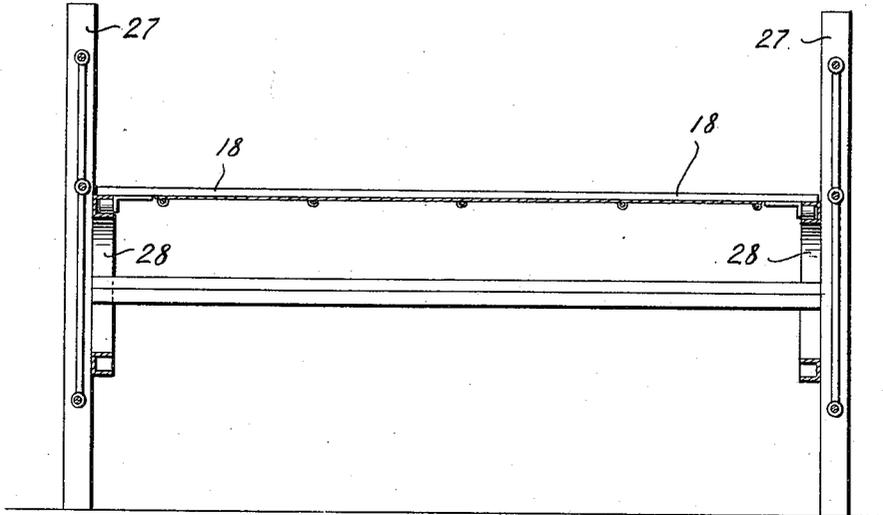


Fig. 3

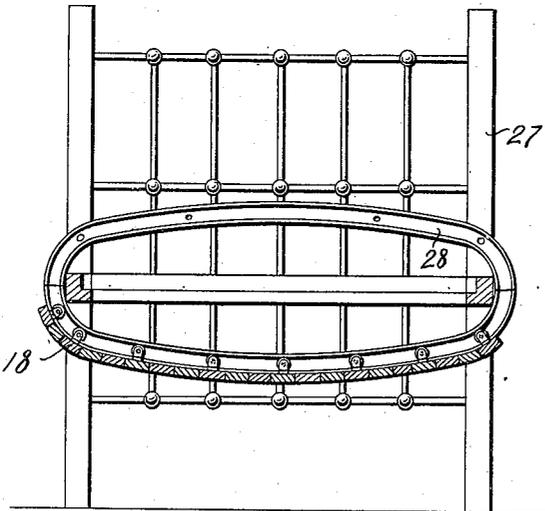


Fig. 4

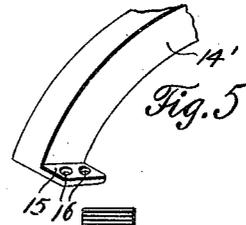


Fig. 5

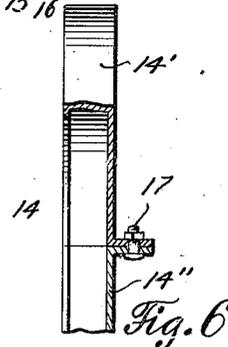


Fig. 6

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UNITED STATES PATENT OFFICE.

WILLIAM TREVOR JONES, OF NEW YORK, N. Y.

CONVERTIBLE COUCH AND BED.

982,139.

Specification of Letters Patent. Patented Jan. 17, 1911.

Application filed May 2, 1910. Serial No. 558,901.

To all whom it may concern:

Be it known that I, WILLIAM TREVOR JONES, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Convertible Couches and Beds, of which the following is a specification.

The present invention has reference to convertible beds and couches, and is designed to provide a means whereby the cover imparting the appearance of a couch to the frame-work may be removed by sliding the same to a position under the frame-work, thus permitting the same to be used as a bed. This is accomplished by the provision of a transversely flexible but longitudinally substantially rigid cover which operates in tracks at each extremity of the frame-work, and which will carry on its outer surface upholstery of any suitable material.

With the above and other objects in view this invention consists in the construction, combination, and arrangement of parts, all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of a convertible couch bed constructed in accordance with the present invention; Fig. 2 is a central longitudinal section thereof; Fig. 3 is a similar view of a bed construction provided with the present invention; Fig. 4 is a transverse section of Fig. 3; Fig. 5 is a perspective view of the end of the terminal of one of the track sections; Fig. 6 is an end elevation partly in section of the track, illustrating the connection between the track sections; Fig. 7 is a perspective view of the roller bracket; Fig. 8 is a fragment of one of the elements of the flexible cover illustrating in section the mounting of the roller thereon; Fig. 9 is a bottom plan view of several of the elements of the cover illustrating the connection thereof.

Referring to Figs. 1, 2, 5, 6, 7, 8, and 9, 10 indicates the elliptical end pieces of a frame-work of a couch constructed in accordance with the present invention, each end piece having the supports or legs 11 at each extremity thereof. A pair of longitudinal bars 12 are interposed between the end pieces and are provided with the extensions or projections 13 which support the springs, mattress, and bedding in a manner

exactly similar to the usual bed. An elliptical track is secured to the inner surface of each end piece 10 and is constructed in two sections 14' and 14'', each section comprising a channel bar forming substantially one-half of the track having an inwardly extending flange on each side thereof. The abutting ends of the sections are provided with the transversely extending ears or lugs 15 through the registering openings 16 of which extend the bolts 17, thus rigidly but detachably securing the sections of the track together. These tracks are secured to the end pieces by rivets or bolts extending through said end pieces and the base portion of said U-shaped track in such a manner that the heads of said bolts or rivets will in no way interfere with the operation of the device.

The flexible covering which converts the bed into a couch comprises a plurality of longitudinal slats or sections 18 which extend to the outer edge of the end pieces 10, thus concealing the tracks 14 and the upper edges of the end piece. The outer surfaces of the sections or slats 18 are covered with the upholstery 10 of any suitable character, which extends substantially the entire longitudinal dimension of the slats. The under surfaces of the slats are provided with a flexible connection 19 of canvas or the like, which extends completely under said slats, and a secondary connection being provided, consisting of the transverse wires 20 secured to each slat by a staple 21, thus the slats are doubly secured together and provide a substantial construction which will resist practically all weights. An L-bracket 22 is secured adjacent to each extremity of a portion of the slats 18 and is provided with an outwardly extending shaft or stud 23 on which is mounted a roller 24 spaced from the bracket which bears in one of the blocks 14 and as it is spaced from the slat 18 carrying the same supplies sufficient space thereby for the slats to extend over the track and edge of the end pieces 10.

In order that the frame-work may be retained as a couch a plurality of openings pierce the end pieces 10 adjacent to the upper ends thereof and the base 14' of the track through which a pin 26 is adapted to be projected and bear against one of the rollers 24, thus preventing the slats and cover from sliding under the frame.

Referring to the modification set forth

in Figs. 3 and 4, there is illustrated a bed with the head and foot 27 of equal height to which is secured the tracks 28 constructed exactly similar to the tracks 14 in which operate the slats 18 as heretofore described. Thus it will be seen that the present invention may be attached to beds of the ordinary construction, thus making it possible to convert the same into couches.

10 Having thus fully described my invention what I claim as new and desire to secure by Letters Patent, is:

1. The combination with a frame, of a bed supported thereby, elliptical tracks carried at each extremity of said frame, adapted to encircle said bed, a series of strips flexibly connected adapted to operate at each extremity thereof, a series of off-set brackets carried adjacent to the terminals of a portion of said strips, and rollers rotatably mounted on said brackets adapted to travel in said tracks, said strips adapted to conceal said tracks at all times.

2. The combination with a frame, of a sectional track carried at each extremity thereof, a bed supported by said frame adapted to be encircled by said track, a series of flexibly connected strips adapted to operate over said tracks, off-set brackets carried adjacent to each terminal of a por-

tion of said strips, rollers carried by the off-set portion of each bracket adapted to be permanently retained in said tracks, a cushion covering said strips, and means whereby said flexible member may be retained over said bed comprising a series of pins adapted to be projected through said tracks and bear against said rollers.

3. The combination with a frame, of a U-shaped track having an inwardly extending flange formed on each arm thereof, a bed supported by said frame adapted to be encircled by said track, a series of flexibly connected strips adapted to operate over said tracks, off-set brackets carried adjacent to each terminal of a portion of said strips, rollers carried by the off-set portion of each bracket adapted to be permanently retained in said tracks, a cushion covering said strips, and means whereby said flexible member may be retained over said bed comprising a series of pins adapted to be projected through said tracks and bear against said rollers.

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

WILLIAM TREVOR JONES.

Witnesses:

ROBERT B. EVANS,
R. A. GERTZEN.