No. 871,505. PATENTED NOV. 19, 1907.

R. L. HERMAN.

FOLDING BED.

APPLICATION FILED JUNE 8, 1906.

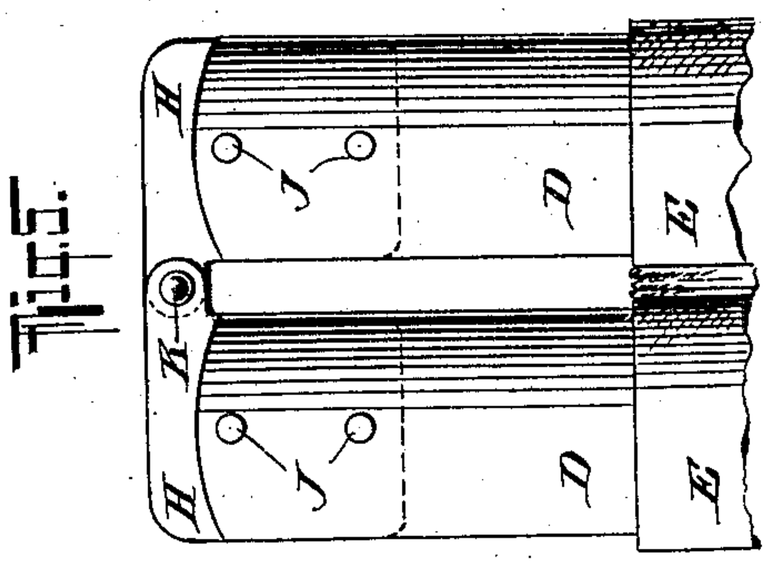
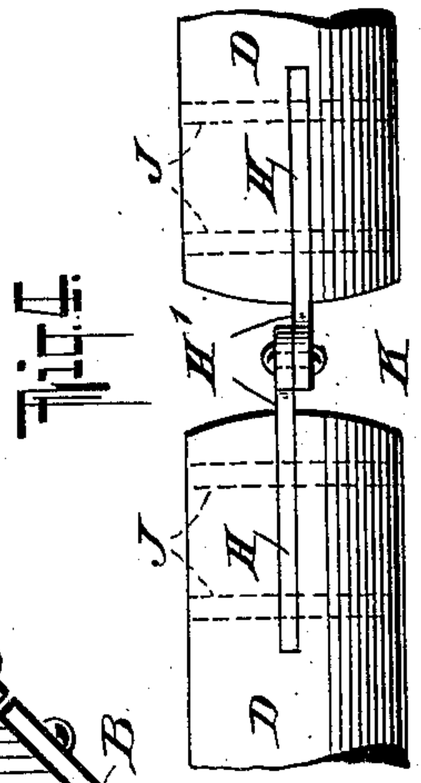


Fig. 5.



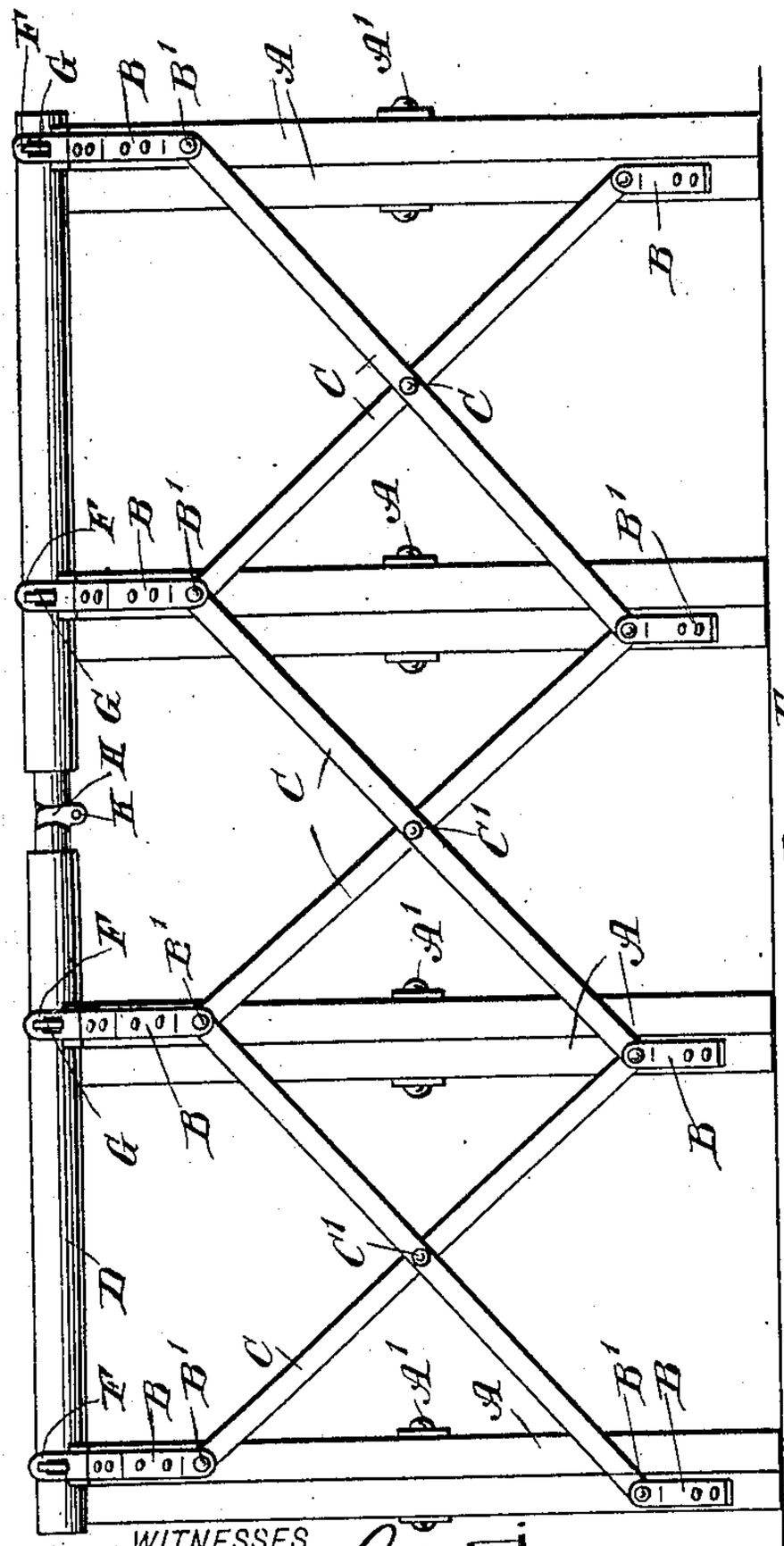


Fig. 1.

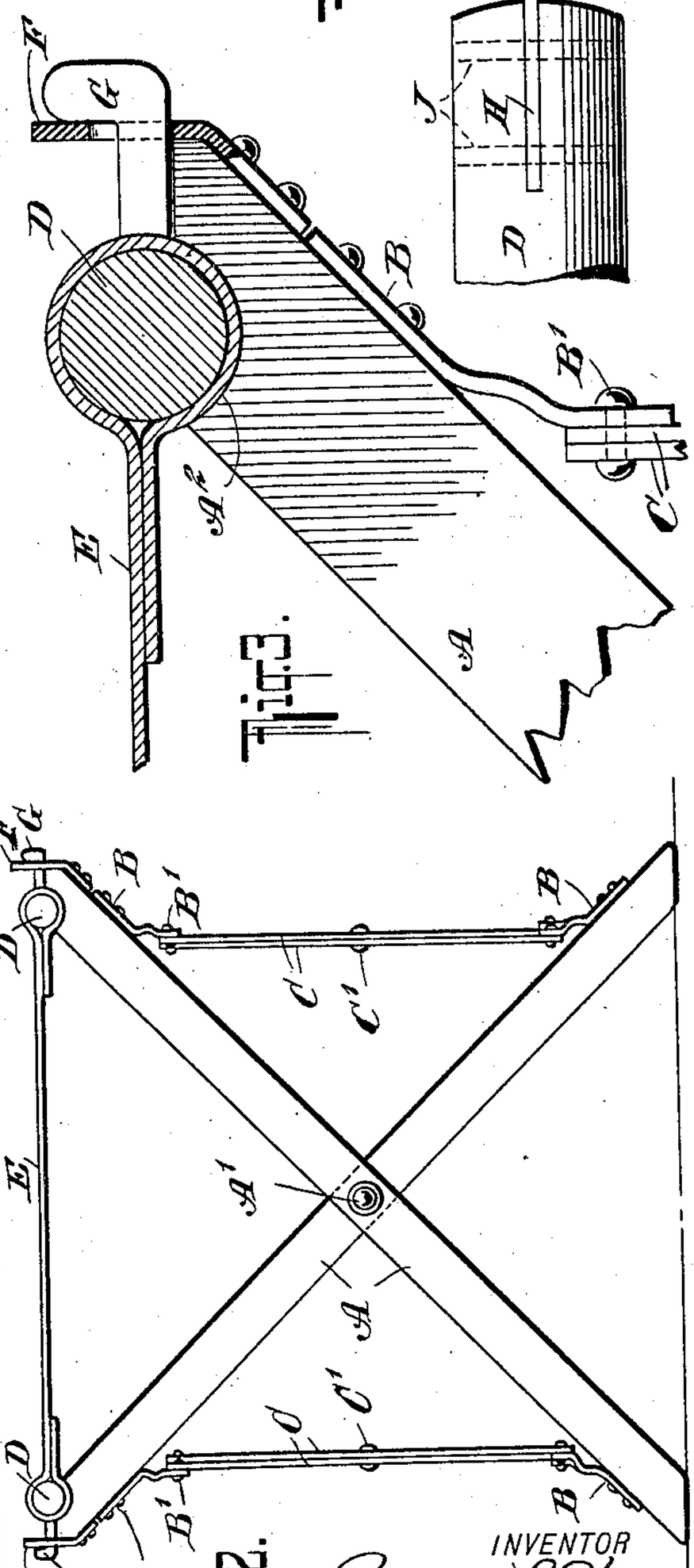


Fig. 3.

Fig. 2.

WITNESSES

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FOLDING BED.

No. 871,505. Specification of Letters Patent. Patented Nov. 19, 1907.

Application filed June 8, 1906. Serial No. 320,702.

To all whom it may concern:

Be it known that I, RAYMOND L. HERMAN, a citizen of the United States, and resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Folding Beds, of which the following is a specification.

My invention relates to folding beds such as used for camping and other purposes.

The object of my present invention is to simplify the construction of such a folding bed without, however, detracting from the strength of the bed.

The invention will be fully described hereinafter and the features of novelty pointed out in the appended claims.

Reference is to be had to the accompanying drawings, in which

Figure 1 is a side elevation of my improved folding bed; Fig. 2 is an end view thereof; Fig. 3 is a sectional detail view showing the connection of the legs with the top and with the braces; and Figs. 4 and 5 are detail views showing the joint of the side bars of the top.

The improved folding bed comprises two parts, to-wit, a support and a top. Each of these parts is folding and is capable of being detachably connected with the other. The support consists of a series of legs A pivotally connected at their centers as indicated at A′, and provided near their upper ends with longitudinally extending springs B, the free ends of which are capable of moving toward and from the respective legs. These free ends are connected by pivots B′ extending at right angles to the pivots A′, with braces C arranged crosswise to connect adjacent pairs of legs, and pivotally connected with each other at their intersections C′. At the upper end of each leg A is located a seat A^2 for one of the side bar sections D of the top E; and furthermore, at the upper end of each leg is arranged a connecting device such as a keeper F for receiving a companion member, such as a hook G on the said side bars. The side bars are made in sections and the joints between said sections are so located that they will come between two pairs of legs A and therefore, the hooks G or like devices, will be on the side bars at some distance from the joint and preferably at the distance which corresponds to one-half the interval between two adjacent pairs of legs. For the joint between the side bar sections I prefer the construction shown in Figs. 4 and 5, according to which the adjacent ends of the side bar sections are split or forked, but unevenly, so that the hinge plates H, which are inserted in said split portions and held by rivets J or other fastening devices, will lie side by side at their lateral projecting portions H′, which are connected by the pivot K. This pivot lies laterally of the longitudinal axes of the side bar sections it connects. This construction is not only strong but allows sufficient space as shown in Fig. 5, for the reception of the top E when folded. The fact that the joint of the side bar sections is not at the same point where the top is supported or carried by the legs A, gives the entire structure great firmness and rigidity.

I claim:

1. A folding bed comprising pivotally connected pairs of legs, springs extending lengthwise of said legs and having their upper ends secured to said legs, while the lower ends of the springs are free to move toward and from the legs, braces pivotally connected with the movable portions of said springs to swing about axes perpendicular to those of the legs and also pivotally connected with each other, and a top carried by said legs.

2. A folding bed comprising pivotally-connected pairs of legs, springs secured to said legs, braces pivotally connected with each other and with said springs, and a top carried by said legs.

3. A folding bed comprising pivotally-connected pairs of legs, springs secured to said legs and movable in a direction transverse to the pivots, braces pivotally connected with said springs to swing about axes perpendicular to those of the legs and also pivotally connected with each other, and a top carried by said legs.

4. A folding bed comprising legs, springs the upper ends of which are secured to the

said legs while the lower ends of the springs are free to move transversely of the bed, braces pivotally connected with the lower portions of said springs to swing about axes extending transversely of the bed, and also pivotally connected with each other, and a top carried by said legs.

In testimony whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

RAYMOND L. HERMAN.

Witnesses:

JOHN LOTKA,

JOHN A. KEHLENBECK.