

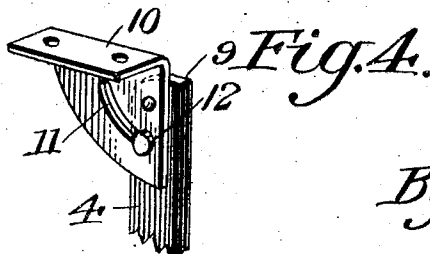
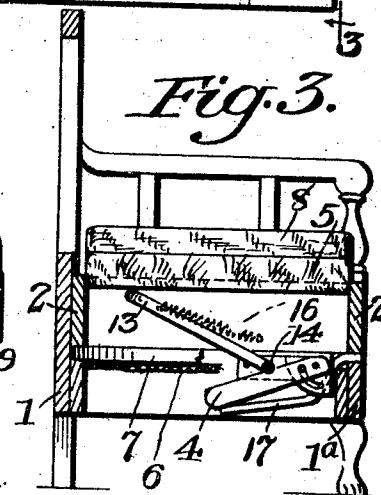
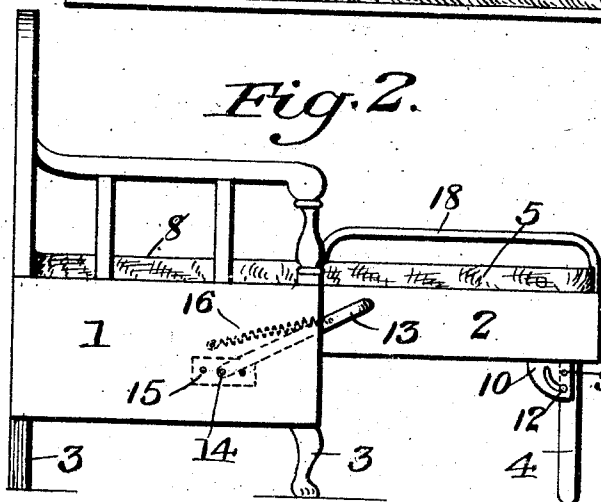
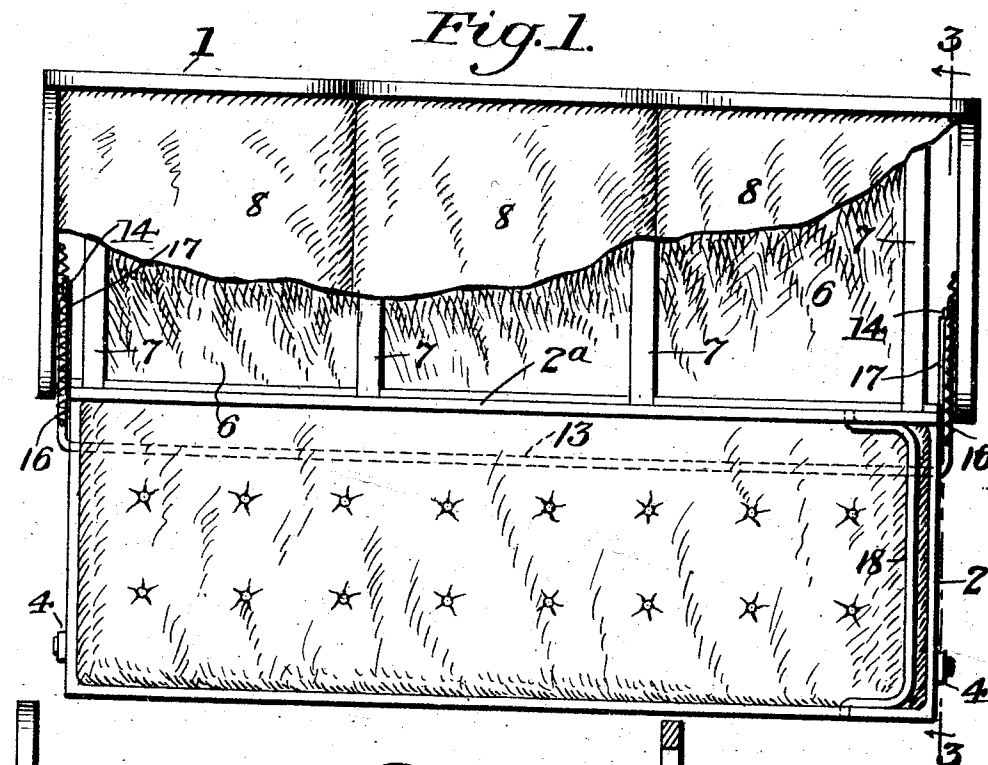
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D. H. CALDEMEYER

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FOLDING COUCH

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Inventor:
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UNITED STATES PATENT OFFICE.

DANIEL H. CALDEMEYER, OF EVANSVILLE, INDIANA.

FOLDING COUCH.

Application filed August 25, 1923. Serial No. 659,338.

To all whom it may concern:

Be it known that DANIEL H. CALDEMEYER, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, has invented certain new and useful Improvements in Folding Couches, of which the following is a specification.

This invention relates to folding couches of the "swing-over" type wherein one section is adapted to swing laterally or transversely in relation to the other section for the purpose of stacking or superposing it thereon, or to be arranged alongside the first named section to convert the couch into a bed.

My object is to provide a folding couch or davenport of the character set forth wherein the swing-over section is supported in an improved manner by the stationary section; further, to provide couch sections and a couch bottom of improved construction, as also an improved swing-over connection between the couch sections and a novel arrangement of foldable legs and supports therefor.

The invention comprises certain improved features and novel combination of parts set forth at length hereinafter and recited in the appended claims.

In the accompanying drawing:

Figure 1 is a plan view, partly broken away, the couch or davenport being open;

Fig. 2 is an end elevation, the couch or davenport being open and the swing-over connection shown in dotted lines;

Fig. 3 is a transverse section on the line 3—3, Fig. 1, the couch or davenport being closed, illustrating the manner of supporting the folding legs; and

Fig. 4 is a detail perspective of the joint for one of the foldable legs.

The couch or davenport comprises a main or stationary section 1 and a swing-over section 2, the latter being adapted to stack on the former when the piece of furniture is to be used as a davenport or couch as shown in Fig. 3. Section 1 is provided with rigid legs 3 and section 2 has foldable legs 4 which are of such a height that when the section 2 is extended to convert the couch into a full width bed, the legs 4 rest upon the floor as shown in Fig. 2.

Section 2 is provided with suitable upholstery 5.

Section 1 has a bottom comprising fabric or other material 6 and cross-slats 7, the latter resting on the framework of said section 1.

Three cushions 8 are adapted to be placed upon the bottom 6, 7, when the sections 1 and 2 are in extended relation as shown in Figs. 1, 2. When the section 2 is stacked upon the section 1, the cushions 8 are then placed upon the upholstered part 5 so that the couch may be used as such, as shown in Fig. 3.

The legs 4 are pivotally connected at 9 to brackets 10 secured to the section 2. The brackets are provided with slots 11 in which is adapted to travel the stud 12 carried by leg 4. Thus, the leg is guided and strengthened in its opening and closing movement and when in the position shown in Fig. 2 and also prevented from accidentally folding when supporting the said sections.

The section 2 is connected to section 1 so that it may swing in relation thereto into the positions shown in Figs. 2 and 3 by a bail 13 whose ends are pivoted at 14 to plates 15 secured to the inner faces of the ends of the frame of the section 1. The bail is suitably mounted in bearings carried by section 2. Thus, the section 2 may be raised and swung over into the position shown in Fig. 3, or, lowered into the position shown in Fig. 2 according to the use to which the couch is to be put.

To assist in closing the couch there are provided contractile coil springs 16 which are connected to the bail 13 and to the section 1.

To support the foldable legs 4 when the piece of furniture is converted into a couch as shown in Fig. 3, inclined metal supports and guides 17 are provided at the ends of section 1. The supports and guides 17 are so positioned that when the section 2 is swung over onto section 1, the legs 4 contact with the supports and guides 17 and said legs are thereby automatically folded.

When it is desired to convert the couch into a bed, the cushions 8 are removed from the upholstered part 5 and the section 2 is then swung over into the position shown in Fig. 2. Cushions 8 are then placed upon the bottom 6, 7, whereupon they lie flush with the upholstered part 5 and the couch is then adapted for use as a bed. When used as a couch as shown in Fig. 3, the

cushions 8 rest upon the upholstered part 5. Any suitable pillow rest or holder 18 may be provided on section 2.

The relationship of the section 2 to section 1 is such that when section 2 is extended as shown in Figs. 1 and 2, the framework thereof rests, along its inner piece 2^a on the outer piece 1^a of the framework of the section 1, thus dispensing with legs for section 2, other than the legs 4 which support the outer part thereof.

I claim:

1. In a folding couch, the combination of sections adapted to stack, one on top of the other, or to be arranged side by side, foldable legs carried by the movable section, operative connections between the sections, adapting one section to be folded on the other section, and elongated, inclined plates carried by the stationary section adapted to exert a camming, folding action

on said legs, and to sustain the legs when the movable section is stacked on the stationary section.

2. In a foldable couch, the combination of a stationary section, a swing-over section adapted to stack on the stationary section or to be extended in relation thereto, operative connections between the sections adapting the swing-over section to operate as aforesaid, foldable legs for supporting the swing-over section when it is extended in relation to the stationary section, and means on the stationary section adapted to engage the legs with a camming action to automatically fold said legs when the swing-over section is stacked on the stationary section.

In testimony whereof I affix my signature.

DANIEL H. CALDEMEYER.