

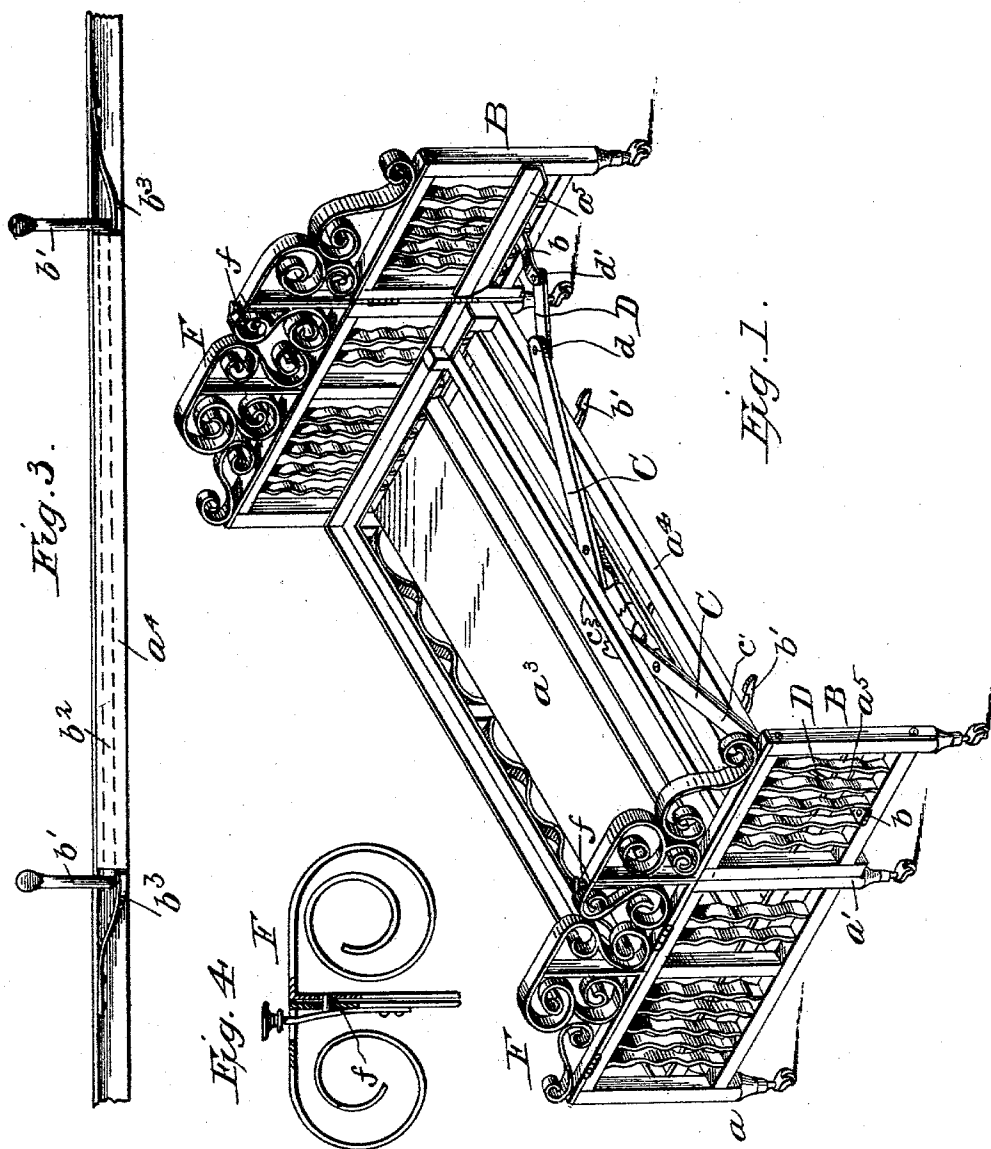
(No Model.)

2 Sheets—Sheet 1.

J. A. PERRY.
SOFA BED.

No. 569,664.

Patented Oct. 20, 1896.



Witnesses:
F. L. Ourand
A. E. Gibson

Inventor
James A. Perry
by P. C. Fitzgerald
Attorney.

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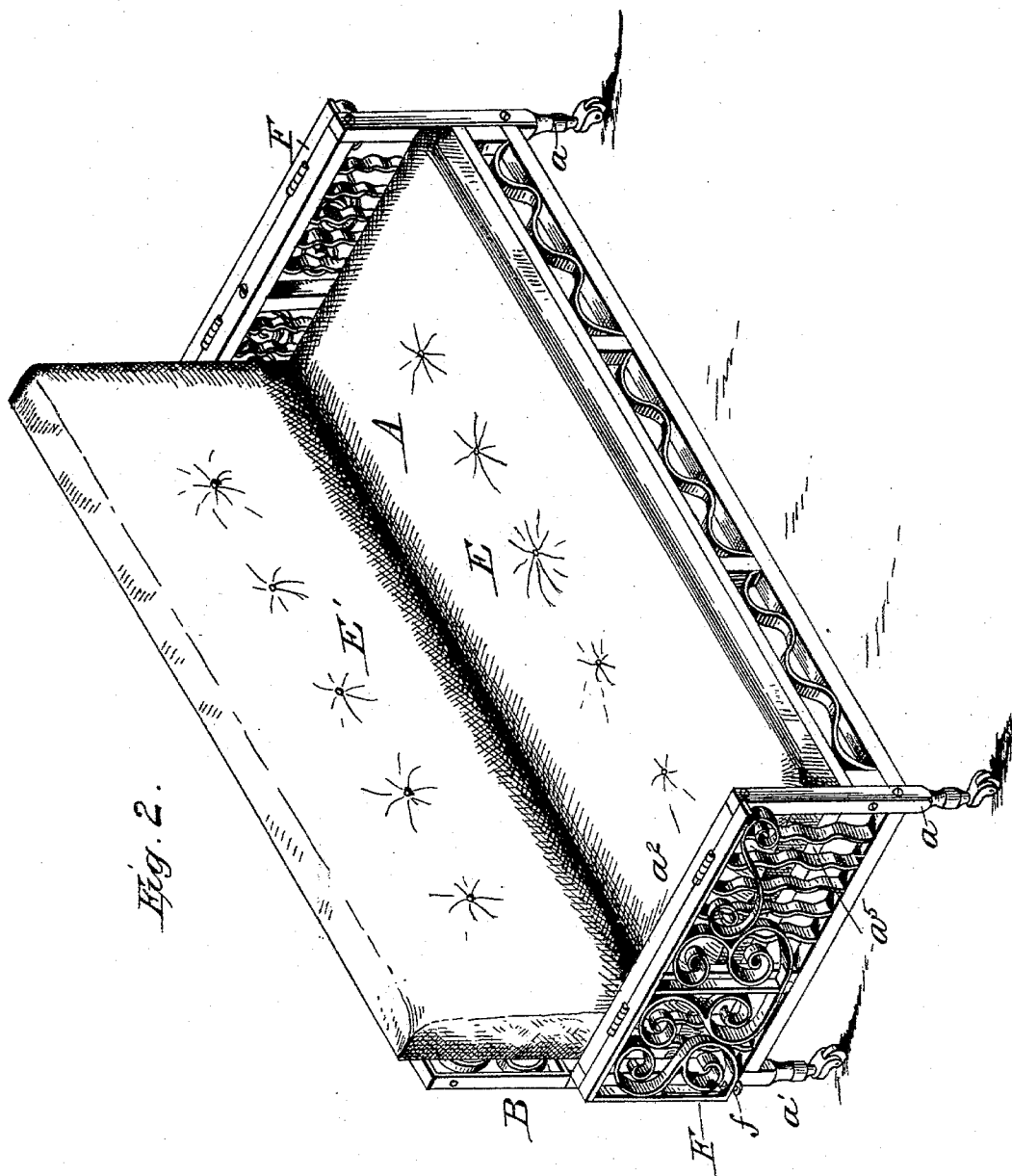


Fig. 2.

Witnesses:

Frauck L. Ourand.
G. E. Gibson

Inventor
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Attorney.

UNITED STATES PATENT OFFICE.

JAMES A. PERRY, OF CHICAGO, ILLINOIS.

SOFA-BED.

SPECIFICATION forming part of Letters Patent No. 569,664, dated October 20, 1896.

Application filed February 25, 1896. Serial No. 580,638. (No model.)

To all whom it may concern:

Be it known that I, JAMES A. PERRY, a citizen of the United States, residing at Chicago, in the county of Cook, State of Illinois, have
5 invented certain new and useful Improvements in Sofa-Beds; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable
others skilled in the art to which it appertains
10 to make and use the same.

My invention relates to an improvement in combined sofas and bedsteads.

The invention will first be described in connection with the accompanying drawings, and
15 then particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of my device with swinging panels open and mattress removed; Fig. 2, a view of my device arranged as a sofa; Fig. 3, a detail view
20 of panel-fastening device; Fig. 4, a detail view of catch device for swinging top pieces.

Referring to the drawings, A is a sofa-frame having legs a^1 , arms or ends a^2 , and a bottom a^3 . To the rear legs a^1 are hinged swinging panels B, having inward-projecting arms
25 b , secured to said panels about on a level with or slightly below the sofa-bottom a^3 . To the central rear portion of the sofa-frame are pivoted two segment-levers C, having teeth c in mesh with each other, the arms c' of said levers extending outward and being connected
30 each by a link D to its respective arm b by pivoted joints d .

The swinging panels B are higher than the
35 arms of the sofa and are adapted to swing outward from each other in line with the respective arms a^2 , to which they are attached, or to fold inward toward each other at right angles to said arms to form the back or a portion of the back of the sofa. When swung in,
40 they are locked to the sofa-frame by catches b' , having rearward-extended thumb-pieces the said catches being formed integral with a rod b^2 , located in a hollow brace a^4 , which
45 forms part of the frame. Said catches project rearward through openings in said hollow brace a^4 and are normally held upward by springs b^3 , also secured to the rod a^4 .

On the sofa-frame is placed an upholstered
50 mattress formed in two parts E E', hinged together so as to swing into planes at right angles to each other or to lie both in the same

plane. When in the former condition, the part E will form the sofa-seat and the part E' will form the sofa-back. When both portions E
55 E' lie in the same plane, they will form a mattress for the bed. This mattress is in its extended position only when the swinging panels B are outward, in which case the mattress is supported by angle-irons a^5 , secured to the
60 frame and to the panels, being in sections, as shown. To the upper edge of each sofa-arm a^2 is hinged a swinging top piece F, these top pieces being constructed in such a manner that, when swung to an upright position, they
65 will form, together with the sofa-arms a and the swinging panels B, symmetrical head and foot boards, respectively, when the said panels B are in their outward position. In order to hold the top pieces F in said upright positions,
70 I provide a suitable catch or lock device f , which connects the top pieces to their respective swinging panels.

The manner of using my device is as follows: When it is desired to use the same as
75 a sofa, the top pieces F are swung outward and downward, the swinging panels are moved outward, and the back E' is allowed to fall into its horizontal position. The reversal of the above operation will then convert the
80 bed into a sofa. By using the segment-levers the two swinging panels move synchronously, and said panels may, therefore, be both opened or closed by operating one only.

The device described is particularly in-
85 tended for construction from metal, such as iron or brass, the top pieces F, arms a^2 , and panels B being ornamented in any suitable way, so as to preserve their symmetry as a whole, and at the same time, when the said
90 top pieces are swung down, they form ornaments to the sofa-arms a^2 .

What I claim is—

1. The combination with a sofa-frame having arms, of a pair of swinging panels hinged
95 at the rear of the arms and arranged to swing in line with said arms or inward at right angles thereto to form the sofa-back, said panels being higher than the arms, a top piece hinged to each arm and arranged to swing into an
100 upright position, means for securing the said top pieces in their upright positions, and a mattress formed of two portions hinged together and arranged to lie in the same plane

when the bed is opened, one of said portions being arranged to swing upward and form the back cushion of the sofa, substantially as described.

5 2. The combination with a sofa-frame and a pair of swinging panels hinged to the frame, of a pair of segment-levers pivoted to the frame and provided with toothed segments in mesh with each other, and means for connect-
10 ing the segment-levers to the swinging panels, substantially as described.

3. The combination with a sofa-frame and a pair of swinging panels hinged to said frame,

each panel being provided with an inwardly-extending arm, of a pair of segment-levers 15 pivoted to the sofa-frame and provided with toothed segments in mesh with each other, and links connecting the outer ends of the segment-levers to the respective inward-projecting arms, substantially as described. 20

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

JAMES A. PERRY.

Witnesses:

W. W. ADMIRE,

CURTIS B. STONE.