

(No Model.)

3 Sheets—Sheet 1.

T. Q. HALL.
FOLDING OR BED LOUNGE.

No. 468,297.

Patented Feb. 2, 1892.

Fig. 1.

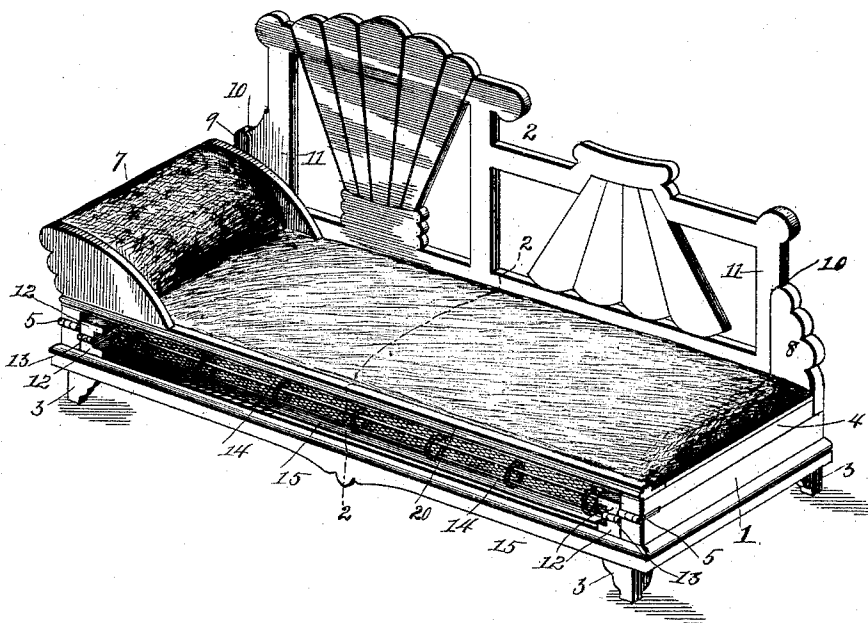
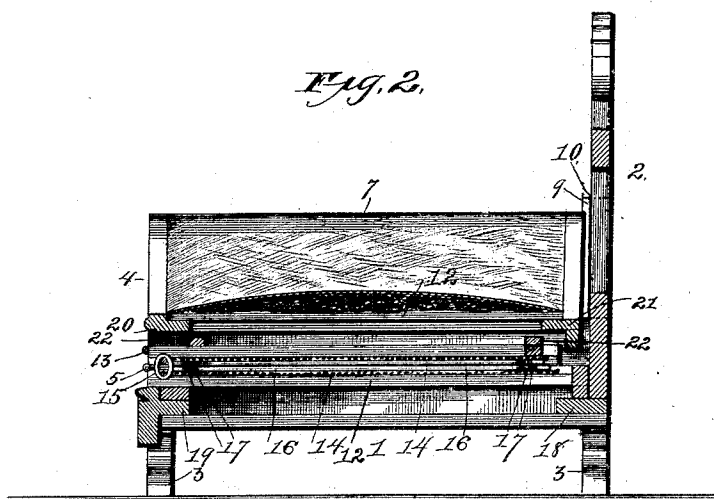


Fig. 2.



Witnesses.

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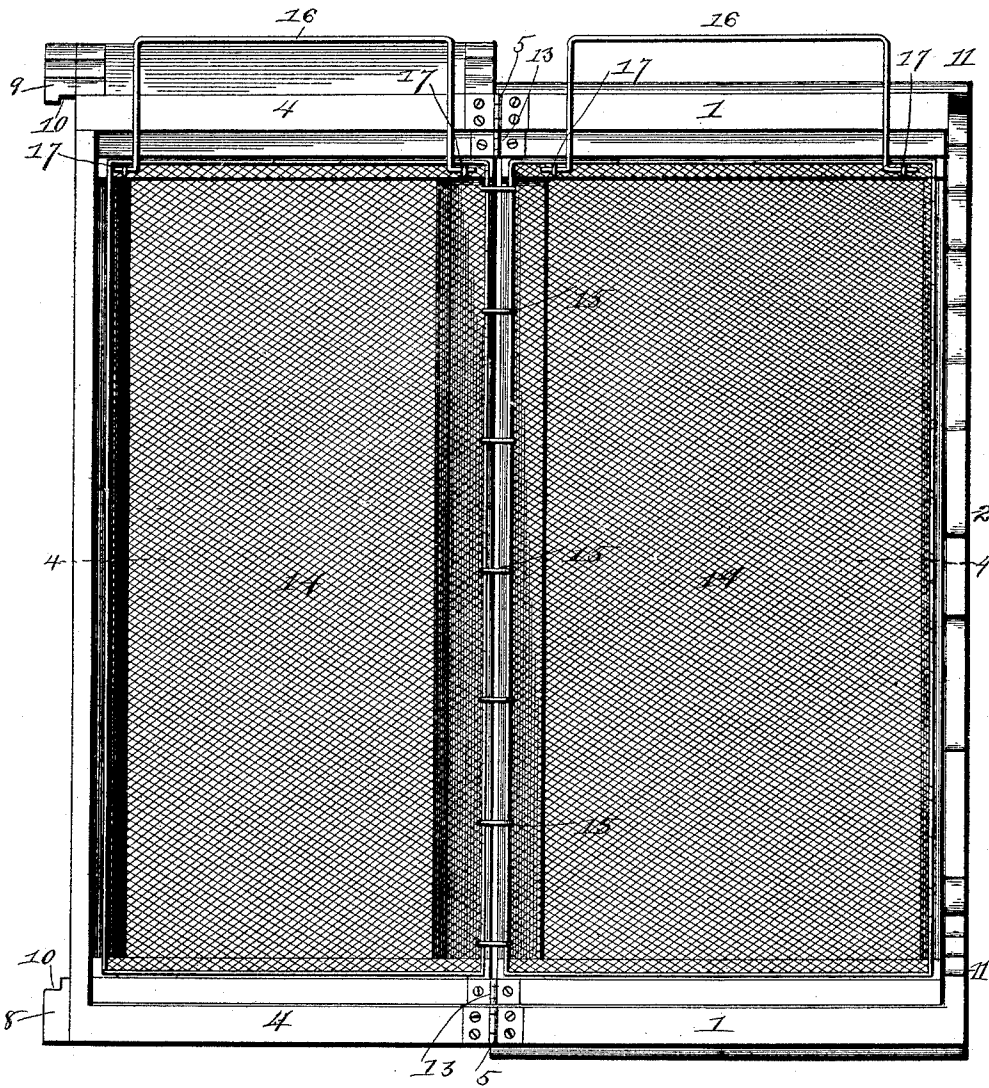
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Fig. 3.



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Fig. 4.

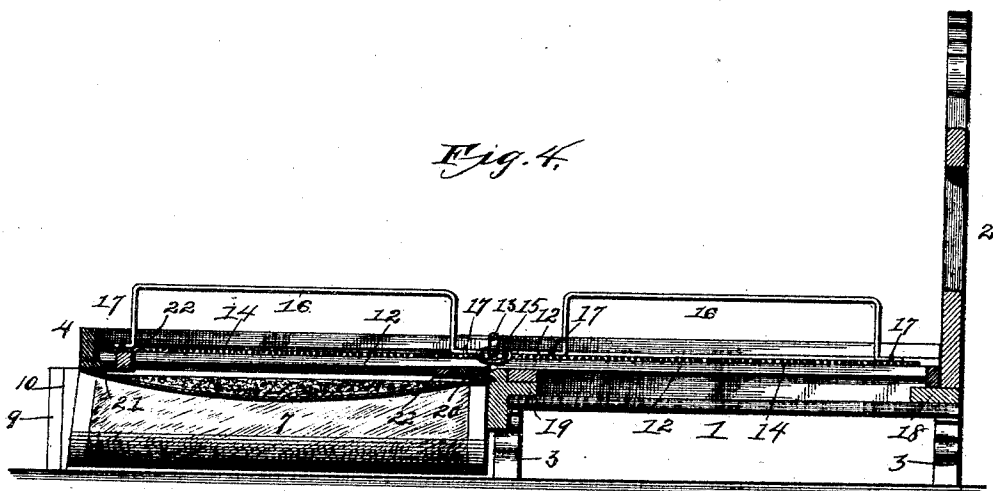
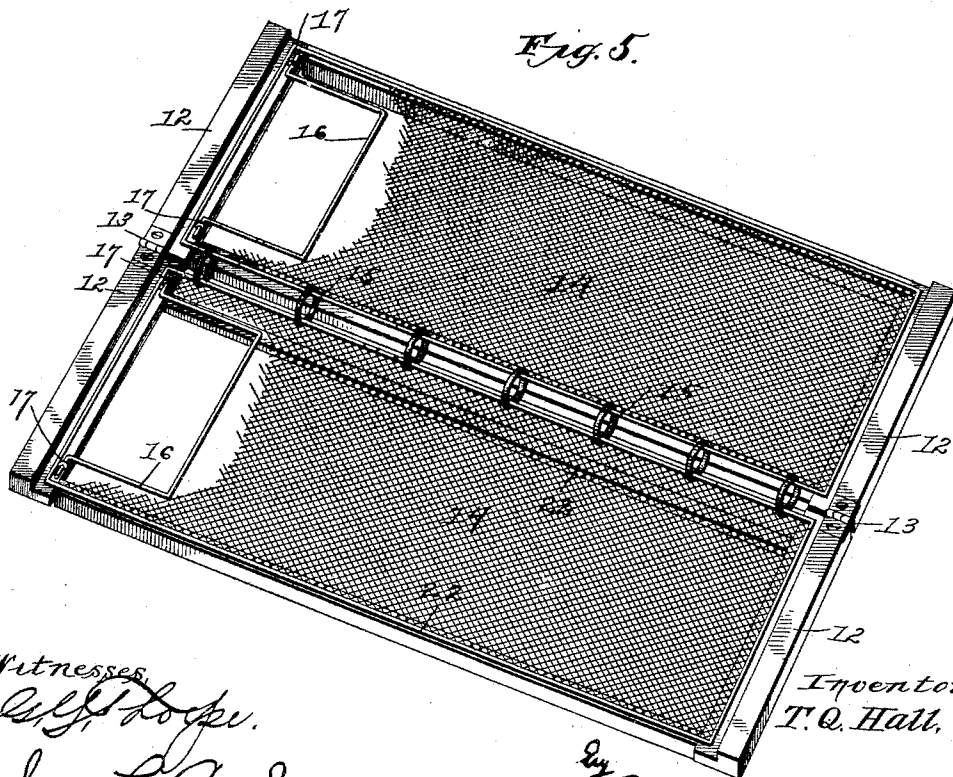


Fig. 5.



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UNITED STATES PATENT OFFICE.

THOMAS Q. HALL, OF KANSAS CITY, MISSOURI.

FOLDING OR BED LOUNGE.

SPECIFICATION forming part of Letters Patent No. 468,297, dated February 2, 1892.

Application filed March 9, 1891. Serial No. 384,294. (No model.)

To all whom it may concern:

Be it known that I, THOMAS Q. HALL, of Kansas City, Jackson county, Missouri, have invented certain new and useful Improvements in Folding or Bed Lounges, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to that class of lounges which are so constructed as to fold or close up in the form of a lounge and to be unfolded or opened out in the form of a bed.

The objects of my invention are to produce a bed-lounge which shall be simple and durable in construction and which when folded up shall possess the utmost degree of solidity; furthermore, to produce a bed-lounge upon which, when in open condition, the mattress shall be evenly and uniformly supported, so that there shall be no uncomfortable inequality in the mattress in its middle, or, in other words, at the point of connection of the hinged portion of the lounge with the body portion of the same.

To the above purpose my invention consists in certain peculiar and novel features of construction and arrangement, as hereinafter described, and pointed out in the claim.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved bed-lounge in closed condition. Fig. 2 is a transverse vertical section of the same on the line 2 2 of Fig. 1. Fig. 3 is a plan view of the lounge in open condition. Fig. 4 is a transverse vertical section of the same on the line 4 4 of Fig. 3. Fig. 5 is a detached perspective view of the frame for supporting a mattress on the lounge.

In the said drawings, 1 designates the body portion of the lounge, which is preferably of oblong rectangular form, as shown, and one of the longer sides of which is provided with a suitable back 2, of more or less ornamental appearance, as desired. This body portion of the lounge is supported upon four legs 3, of suitable form and construction, and which are located beneath the corners of said body portion.

4 designates the folding portion of the

lounge, this portion being also preferably of oblong rectangular form, or in any event corresponding with the form of the body portion 1 of the lounge. One of the longer sides of this folding portion 4 is connected to the outer longer side of the body portion 1—that is, the longer side opposite the back 2—by two hinges 5, of any suitable or preferred type, the said hinges being located at the ends of said longer sides. One end of this folding portion 4 is the head end of the lounge, and the outer side of this head end is provided with a suitable head-rest 7, of any preferred form or construction. Thus when the lounge is in closed condition, as shown in Fig. 1, the head-rest 7 is in proper position for use, and the outer or upper side of the folding portion 4 constitutes a support for the user's person, either when in sitting or reclining attitude. The inner corner of the foot end of the folding portion 4 is provided with a leg 8, of more or less ornamental form, as desired, and when the lounge is opened this leg constitutes the support for the outer corner of the foot end of said portion. The inner end of the head-rest 7 is also provided with a suitable leg 9, of more or less ornamental construction, as preferred, and when the lounge is open this leg 9 constitutes the support for the outer corner of the head end of the folding portion 4. The outer or upper side of the folding portion 4, as well as the head-rest 7 thereof, are usually suitably upholstered, and the said folding portion is usually, therefore, sufficiently heavy to require additional bracing when in folded position, so as to render the lounge as a whole as solid and rigid as an ordinary lounge. In order to accomplish this result, the inner ends 10 of the legs 8 and 9 are chamfered or grooved to embrace the outer edges of the end portions 11 of the back 2. By virtue of this arrangement the folding portion 4 is prevented from working endwise when the lounge is folded, and all twisting strains are removed from the hinges 5. Consequently the lounge when in closed condition is as solid and rigid as though it were of the ordinary type of lounges.

A further defect which has hitherto existed in this class of lounges is that the point of connection of the folding portion with the body portion has invariably been of such a

nature as to produce a ridge or inequality in the mattress at that point, which is very uncomfortable to the person lying on the mattress. In order to avoid this defect, I provide the following construction: The mattress-frame is shown in detached condition in Fig. 5, as above described, and consists of two oblong rectangular frame-sections 12, which are connected together at the ends of their adjacent longer sides by two hinges 13, of any suitable or preferred type. Each of these frame-sections carries on its upper side a portion 14 of woven wire to support the stuffed mattress, and the said portions 14 are shown as connected together at their adjacent longer edges by a number of loops 15 of wire. This precise construction of the mattress is not material to my present invention, and can consequently be varied at will without departing from the essential spirit of my invention. That is to say, a continuous piece of woven wire or other material may be attached to the frame-sections, if desired, and constitute the direct support for the stuffed mattress. A U-shaped pillow or bolster support 16 is also preferably provided for each frame-section 12, and is connected thereto by staples or eyebolts 17, attached to the head ends of the sections and embracing the outwardly-extending ends of the supports, as shown. This arrangement is such that the supports 16 can be turned inward, so as to rest upon the wire 14 when the lounge is to be folded or closed. The inner longer side of one of the frame-sections 12 rests upon a ledge 18, which extends longitudinally of the body portion 1 of the lounge at the point of juncture of the back 2 with said body portion. The opposite longer side of this frame-section 12 rests upon a ledge 19, which is formed by chamfering the inner sides of the outer rail of the body portion 1, as shown.

These ledges 18 19 receive the side pieces of the frame-sections 12 and support the same, and the chamfer which forms the ledge 19 corresponds in depth to the thickness of the outer side piece of the frame-section 12.

The side rails 20 21 of the folding section 4 of the lounge are flush with the highest part of the rail having the ledge 19, and the outer frame-section 12 lies directly upon the upper sides of these rails 20 21, and is retained in proper position by side pieces 22, which rest against the inner sides of the rails 20 21. Thus it will be seen that there is no inequality whatever in the mattress produced by the point of connection of the folding portion of the lounge with the body portion of the same. Consequently, as above stated, the mattress lies perfectly even and level upon the lounge.

From the above description it will be seen that the lounge is very simple, strong, and durable in construction, and that it is also neat and compact in appearance, while it is no more expensive to manufacture than other folding lounges heretofore produced.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

An improved folding or bed lounge comprising a body portion having a back, and a folding portion hinged to said body portion and having legs or supports formed to partially embrace the outer sides of the ends of the back when the lounge is closed, and thereby prevent endwise movement of the closed folding portion upon the body portion, substantially as set forth.

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

THOMAS Q. HALL.

Witnesses:

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E. S. NORTHUP.